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8EHQ-02-15211

Attention: TSCA 8(e) Submittal

REFERENCE: 8EHQ-02-15211

is submitting this supplemental information pursuant to Section 8(e) of the Toxic Substances Control Act (TSCA). This submission supplements an earlier submission (8EHQ-02-15211) for This material has been tested under the name SP 7077.

We consider this letter to be "Confidential Business Information" (CBI); therefore, we are also enclosing a "sanitized" (non-CBI) version.

If you have any questions, please contact me at .

Sincerely,

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SP 7077:

ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

SPL PROJECT NUMBER: 703/256

SPONSOR STUDY NUMBER: [ ]

VOLUME 1 – REPORT PAGES 1 TO 430

AUTHOR: E Wood

Date of Completion:

STUDY SPONSOR: [ ]

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QUALITY ASSURANCE REPORT

The conduct of this study has been subjected to periodic inspections by Safepharm Quality Assurance Unit. Inspection findings are reported to Management/Study Directors on the day of inspection in each case.

This report has been audited by Safepharm Quality Assurance Unit. It is considered to be an accurate account of the data generated and of the procedures followed.

Inspection and audit occasions relevant to this study are as follows:

22 June 2001§	Protocol Compliance Audit
26 June, 04 July, 21 August, 18 October, 20 November 2001	Animal Preparation
06 July, 11 September 2001	Test Material Preparation
09 August, 14, 23 September 2001, 25 January 2002	Dosing
09 August, 23 September, 20 November 2001, 25 January 2002	Parental Observations
18 October 2001, 27 February 2002	Litter Observations
14, 23 September 2001	Pairing/Mating/Smearing
12 March 2002	Sperm Assessment
09, 13 November 2001, 12 March 2002	Post Mortem
17 December 2002	Draft Report Audit
§ Date of QA Signature	Final Report Audit

..... DATE: - 8 APR 2003

For Safepharm Quality Assurance Unit*

***Authorised QA Signatures:**

Head of Department:	JR Pateman CBiol MIBiol DipRQA FRQA
Deputy Head of Department:	JM Crowther MIScT MRQA
Senior Audit Staff:	JV Johnson BSc MRQA; G Wren ONC MRQA

GLP COMPLIANCE STATEMENT

The work described was performed in compliance with UK GLP standards (Schedule 1, Good Laboratory Practice Regulations 1999 (SI 1999/3106)). These Regulations are in accordance with GLP standards published as OECD Principles on Good Laboratory Practice (revised 1997, ENV/MC/CHEM (98)17); and are in accordance with, and implement, the requirements of Directives 87/18/EEC (as amended by Directive 1999/11/EC) and 88/320/EEC (as amended by Directive 1999/12/EC).

The international standards are acceptable to the Regulatory agencies of the following countries: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Republic of Korea, Luxembourg, Mexico, The Netherlands, New Zealand, Norway, Poland, Portugal, Slovenia, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States of America.

Specifically, these GLP standards are acceptable to:

- The United States Environmental Protection Agency, fulfilling the requirements of 40 CFR Part 160 and 40 CFR Part 792, each as amended, and of the proposed 40 CFR Part 806.
- The United States Food and Drug Administration, fulfilling the requirements of 21 CFR Part 58 as amended.
- The Japanese Ministry of Agriculture, Forestries and Fisheries, fulfilling the requirements of the Agricultural Production Bureau of 12 NohSan No. 8628 (6 December 2000).
- The Japanese Ministry of Health, Labour and Welfare, fulfilling the requirements of the Pharmaceutical Affairs Bureau (Notification No. 313, (as amended)); the Environment Agency (Kanpogyo No. 39, Yakuhatsu No. 229); and the Labour Standards Bureau.
- The Japanese Ministry of the Environment.
- The Japanese Ministry of Economy, Trade and Industry, fullfilling the requirements of the Manufacturing Industries Bureau (Chemical Substances Control Law, Kanpogyo No. 39 Environmental Agency, Kikyoku No. 85).

This report fully and accurately reflects the procedures used and data generated.

Eric Wood ..... DATE: 4 April 2003

Eric Wood CBiol MiBiol
Study Director

AUTHENTICATION OF PATHOLOGY

I, the undersigned, hereby declare that the microscopic pathology data presented in this report were compiled by me or under my supervision, and accurately reflect the data obtained.

..... DATE: April 2 2003

J P Finn BVSc MSc Diploma in Veterinary Pathology
(Saskatchewan) FRCPath MRCVS
Study Pathologist

Approved for issue:

..... DATE: 4 April 2003

Eric Wood CBiol MIBiol
Head of Reproductive Toxicology

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SP 7077:
ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

SUMMARY

Introduction. The study was designed to investigate the effects of the test material on the growth and reproductive performance of the rat and complies with OECD Guidelines for Testing of Chemicals, Section 4: Health Effects, Test Guidelines No 415, 26 May 1983. As a result of findings from the first generation, a second generation was included using offspring from the first generation. The study was subsequently designed, and therefore in it's entirety reflects the requirements of OECD Guidelines for Testing of Chemicals, Section 4: Health Effects Test Guidelines No. 416, 22 January 2001.

Methods. The test material was administered orally, by oral gavage, to groups of twenty eight male and twenty eight female F_0 generation rats throughout the maturation, mating, gestation and lactation phases of the F_0 generation. The dose levels were 0, 5, 30, 150 mg of SP 7077/kg bodyweight with a similar size control group receiving vehicle (corn oil, 5 ml/kg) alone.

Following at least ten weeks of dosing, male and female F_0 generation rats were paired within their dose groups to produce the F_1 litters.

At weaning of offspring from the F_0 mating phase, groups of twenty eight male and twenty eight female offspring from each dose group were selected to form the F_1 generation. These animals were dosed throughout the maturation, mating, gestation and lactation phases of the F_1 generation. Additional offspring were selected from those F_0 litters outside the median weaning date, which represents those few litters that were the last remaining to be born, to provide representatives for observation of sexual maturation only. The offspring selected from the F_1 generation were dosed for at least 10 weeks and then paired within their dose groups to produce the F_2 litters. At weaning of these litters all surviving adults and their offspring were killed.

During the maturation phase of the second generation offspring from the F_1 mating phase, males and females were evaluated for sexual maturation. This procedure was not performed on the offspring from the F_1 mating phase.

Adult F_0 and F_1 animals were observed daily for clinical signs. Bodyweights and food consumption were recorded weekly during the maturation phase, which was continued for males

after the mating phase. Mated females were weighed and food consumption recorded on specific days *post coitum* and *post partum*. Oestrous cycle assessment was performed for three weeks prior to mating. Observations for positive evidence of mating and, for F_0 and F_1 mating phases, the start and completion of parturition were recorded.

The offspring were observed daily for clinical signs. The litter signs and individual pup bodyweights were recorded on specific days *post partum*. During the lactation period the offspring were observed for intra-litter onset and duration of landmarks of physical development. On specific days of lactation, reflexological assessment of offspring was performed. For selected F_1 offspring, the time to completion of sexual maturation was recorded.

Post mortem macroscopic examinations were performed on all F_0 and F_1 adults and their offspring, including decedents. Selected organ weight analysis was performed for all adult males surviving until termination and all pregnant adult females surviving until termination. Reproductive organs and any significant abnormalities from all F_0 and F_1 adults were preserved in fixative. Unselected offspring from the F_0 and F_1 mating phases were killed at weaning and one male and one female offspring were selected for organ weight analysis. Histopathology was carried out on specific organs from F_0 and F_1 adult animals.

Results.

Adults. At 150 mg/kg all animals of either generation showed evidence of increase salivation, predominantly post dosing but there was a significant incidence of increased salivation immediately prior to dose administration. The observation of increased salivation was considered not to be a sign of toxicity but rather evidence of a response to oral administration of an unpleasant tasting material. There was a slight reduction in male bodyweight gain for both generations during the maturation/post maturation phases. There were no effects upon female bodyweight gain during the study.

There were no significant effects upon female oestrous cycles prior to mating. There were no effects upon fertility or reproductive performance for either sex.

Post mortem evaluations showed no significant macroscopic or microscopic changes to the reproductive or other tissues examined. There were no significant effects upon the concentration, motility or morphology of samples of epididymal sperm. There were no effects on the concentration of homogenisation resistant epididymal or testicular spermatid counts. A slight difference in the population numbers of growing or antral oocytes, compared to control values, was considered to be within acceptable biological variation. Organ weight analysis showed a

slight increase in liver and kidney weights for males only. There was a significant reduction in seminal vesicle/coagulating gland weights. This weight difference shows a dose-related trend.

At 30 mg/kg there was evidence of increased salivation, particularly post dosing. The incidence and frequency were lower than for the high dose. There were no effects on fertility or reproductive performance of males or females. *Post mortem* evaluations showed no significant macroscopic or microscopic changes to reproductive or other tissues. There were no significant differences in the semen assessments that were performed. Organ weight analysis showed a reduction in seminal vesicle/coagulating gland weight for both generations.

At 5 mg/kg there was evidence of increased salivation, particularly post dosing. The incidence and frequency were lower than other dose groups in a dose-related manner. There were no effects upon fertility or reproductive performance. *Post mortem* evaluations showed no significant macroscopic or microscopic changes to reproductive or other tissues. There were no significant differences in the semen assessments that were performed. Organ weight analysis showed a reduction in seminal vesicle/coagulating gland weight for both generations.

Offspring. At 150 mg/kg there was a slight, but statistically not significant reduction in live litter size for both generations. A concomitant reduction in implantation sites was seen for the F_1 generation which suggests that there is no significant embryolethality. The reduction in live litter size may be fortuitous. There were no significant effects upon offspring viability growth and development during lactation. There was no significant effects upon the ano-genital distance measurements of offspring at Day 1 of lactation and no effects upon litter sex ratios during lactation. There was a reduction in age and bodyweight of selected F_1 female offspring at the time of sexual maturation. There were no significant *post mortem* findings offspring.

At 30 and 5 mg/kg there were no effects upon litter size or offspring viability, growth and development during lactation. There were no effects upon ano-genital distance measurements of offspring and no effects upon litter sex ratios. There were no effects upon the sexual maturation of selected F_1 offspring. There were no significant *post mortem* findings for offspring.

Conclusion. The administration of SP 7077 at a dose level of 150 mg/kg to two successive generations of rats resulted in minimal adult toxicity, including a slight reduction in overall male bodyweight gain and elevated liver and kidney weights. There was a reduction in the age and bodyweight for selected F_1 females at sexual maturation.

At all dose levels of 5 mg/kg and above, for both generations, there was a reduction in the seminal vesicle/coagulating gland weight.

There were no effects upon fertility or reproductive performance and no significant macroscopic or microscopic *post mortem* changes.

The No Observed Effect Level for all aspects of the study was not established.

The No Observed Effect Level for offspring viability, growth and development was 30 mg/kg.

The No Observed Adverse Effect Level for fertility and reproductive performance was considered to be 150 mg/kg.

SP 7077:
ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

1. INTRODUCTION

The study was designed to investigate the effects of the test material on the growth and reproductive performance of the rat when administered to groups of male and female rats throughout maturation, mating, gestation and lactation.

The study was designed to comply with and exceed the requirements of OECD Guidelines for Testing of Chemicals, Section 4: Health Effects, Test Guidelines No 415, 26 May 1983. The study design for the second generation phase was to meet the requirements of OECD Guidelines for Testing of Chemicals, Section 4: Health Effects, Test Guideline No. 416, 21 January 2001. As a result of findings the study was extended to include a second generation (F_1), which was derived from offspring from the first mating phase (F_0).

The rat was selected for this study as it is a readily available rodent species historically used on safety evaluation studies and is acceptable to appropriate regulatory authorities.

The dose levels were chosen based on the results of previous toxicology studies. The oral route was selected as an appropriate route of exposure, based on the physical properties of the test material and the oral route as the preferred route of exposure for hazard identification. The results of the study are believed to be of value in predicting the potential reproductive toxicity of the test material to man.

The study was performed in accordance with internationally accepted general principles of Good Laboratory Practice and SafePharm Laboratories Standard Operating Procedures. A Statement of Compliance with UK Good Laboratory Practice issued by the Department of Health is given in Appendix □.

The in life phase of this study was performed between 26 June 2001 and 16 March 2002.

2. TEST MATERIAL AND EXPERIMENTAL PREPARATION

2.1 Description, Identification and Storage Conditions

Sponsor's identification	:	SP 7077
Description	:	dark brown viscous liquid
Date received	:	28 June 2001
Storage conditions	:	stored in the dark under ambient temperature and humidity
Batch number	:	TS 01010

Data relating to the identity, purity and stability of the test material are the responsibility of the Sponsor.

2.2 Experimental Preparation

The vehicle for this study was corn oil (maize oil). A Certificate of Analysis of the vehicle is presented in Appendix 43 of this report.

The test material was prepared weekly during the course of the study. The method of preparation was as follows:

Step 1 The test material container was weighed before use using an electronic balance capable of weight (in grams) to 2 or 3 decimal places. For this study, recordings were made to 2 decimal places (ie 0.01g).

Step 2 The test material container was placed in a water bath at 50°C for up to 10 minutes, to reduced the viscosity.

Step 3 The test formulation containers were pre-measured and marked to identify the appropriate final volume of test material and vehicle formulation. This was repeated for each dose level.

Step 4 The appropriate aliquot (by weight, to 2 decimal places) of test material was weighed into the correct formulation container, for each dose level. The balance used was the same as that used in Step 1.

Step 5 The formulation container for each dose level was placed in the water bath at 50°C for approximately 5 to 10 minutes.

Step 6 Starting with the low dose level, an equivalent volume of vehicle (to that of test material) was added to the test material. This was then mixed using a spatula. More vehicle was added and mixing was continued with the spatula. Any test material attached to the spatula was removed by the process of mixing. Vehicle was added until the appropriate final volume was reached. The spatula was checked to ensure no residual test material remained; any remaining test material was removed by a continuation of the mixing process.

Step 7 The formulation container was removed from the water bath and the formulation was mixed thoroughly using a Silverson homogeniser for a minimum of two minutes.

Step 8 Steps 6 and 7 were repeated for the intermediate and high dose levels.

Step 9 During the daily dose administration procedures, all test material/vehicle formulations were continuously stirred using a magnetic stirrer.

Step 10 The test material container was weighed using the same balance as for Steps 1 and 4. The test material usage was calculated.

Prior to the start of the study, samples of an initial test material/vehicle formulation were despatched to the sponsor for analysis of achieved concentration, homogeneity and stability. During the course of the study samples of each formulation were taken once per week during the first four weeks and approximately once every month until study completion and despatched to the study sponsor for the analysis of the achieved concentration.

3. METHODS

3.1 Animals and Animal Husbandry

A sufficient number of male and female Sprague-Dawley Crl: CD® IGS BR strain rats were obtained from Charles River (UK) Limited, Margate, Kent. On receipt the animals were examined for signs of ill health or injury. The animals were acclimatised to laboratory conditions for fifteen days, during which time their health status was assessed. A total of two hundred and twenty four animals (112 males and 112 females) were accepted into the study. At the start of treatment the males weighed 176 to 242g and the females weighed 140 to 203g.

Upon arrival, the animals were housed in groups of four in polypropylene cages with stainless steel grid floors and tops, suspended over paper-lined polypropylene trays. During the mating period animals were transferred to a similar type cage on a one male to one female basis.

Following evidence of successful mating, the males were returned to their original cages and transferred to a separate animal room of comparable conditions. The females were housed individually, in polypropylene cages with solid floors and stainless steel tops. Mated females were given softwood chips, as bedding, throughout gestation and lactation. The softwood chips were considered not to contain any contaminant that might have affected the purpose or integrity of the study.

The animals were allowed free access to food and water. A pelleted diet VRF1 – C (Charles River (UK) Limited, Margate, Kent) was used. Mains water was supplied from polypropylene bottles attached to the cage. The diet and water were routinely analysed for nutritional content and/or the presence of specific contaminant. The diet and drinking water were considered not to contain any contaminant that might have affected the purpose or integrity of the study. The results of these analyses are presented in Appendices 42 and 44 of the report.

The animals were housed in air-conditioned rooms within the Safepharm Laboratories Limited Barrier Maintained Rodent Facility. The rate of air exchange was at least fifteen air changes per hour and the low intensity fluorescent lighting was controlled to give twelve hours continuous light and twelve hours darkness. Environmental conditions were continuously monitored by a computerised system. For both animal rooms used for this study the temperature was maintained to operate within a target range of 21 (± 2) °C and a relative humidity of 55 (± 15) %. On isolated occasions the room temperature and/or humidity fell outside the protocol target limits but this was considered not to have affected the purpose or integrity of the study. The summary of temperature and humidity deviations are presented in Appendix 48 of the report.

The animals were allocated to dose groups using a randomisation procedure based on stratified bodyweights and the group mean bodyweights were then determined to ensure similarity between the dose groups.

The animals were uniquely identified within the study, by an ear punching system routinely used at these laboratories. Colour coded cage labels were used to assist recognition of dose groups according to the following schedule:

F_0 Generation

Group number	Dose level (mg/kg)	Colour code*	Animal numbers	
			Male	Female
1	0	Buff	1 – 28	113 – 140
2	5	Green	29 – 56	141 – 168
3	30	Blue	57 – 84	169 – 196
4	150	Pink	85 – 112	197 – 224

F_1 Generation

Group number	Dose level (mg/kg)	Colour code*	Animal numbers	
			Male	Female
1	0	Buff	225 – 252, 449†	337 – 364, 454†
2	5	Green	253 – 280, 450†	365 – 392, 455†
3	30	Blue	281 – 308, 451†	393 – 420, 456†
4	150	Pink	309 – 336, 452†	421 – 448, 457†, 458†

* = For cage card and study sheets

† = Additional animals selected for observation of sexual maturation only

3.2 Procedure

Four groups, each of 56 rats for the first generation (F_0) (28 males and 28 females) were dosed as follows:

Group number	Dose level (mg/kg)	Dose volume (ml/kg)	Concentration (mg/ml)
1	0	5	0
2	5	5	1
3	30	5	6
4	150	5	30

This process was repeated for the second selected generation (F_1) with similar size of dose groups although an additional male and/or female was selected for all groups in order that representative offspring were evaluated, from each litter, for evidence of sexual maturation.

The test material was administered by oral gavage using a plastic catheter attached to a disposable syringe. The test material/vehicle formulation was dosed at a constant dose volume of 5 ml/kg bodyweight. The amount of test material given to each animal was based on the most recent bodyweight recorded.

This study was not designed to show proof of test material absorption.

The following procedures were performed for the study:

3.2.1 Adult F_0 males and females were dosed, at their appointed dose level, for seventy-four days before pairing.

3.2.2 A vaginal smear was prepared daily, for twenty-one days prior to pairing for all F_0 females.

3.2.3 Beginning on the seventy-fifth day of study. F_0 males and females were paired within their respective dose groups for a period of up to twenty-one days. At the start of pairing the males and females were approximately sixteen to seventeen weeks of age.

3.2.4 Following evidence of mating, the males were returned to their original holding cages. Dosing of males was continued.

3.2.5 Females were housed individually and dosed throughout gestation. Females were allowed to deliver their offspring to produce the F_0 litters.

3.2.6 Dosing of the F_0 females continued throughout lactation. Offspring were assessed for growth and development for twenty-one days.

3.2.7 At day 21 *post partum*, where possible, at least one male and one female offspring from each litter were selected to form the next generation (F_1). Dosing of offspring started on day 22 *post partum* using the same methodology as for adult F_0 animals. Adult F_0 females and unselected offspring were killed and given a macroscopic examination. For F_0 females selected organs were weighed and/or preserved for histopathological examination. Where possible, one male and one female offspring were selected for organ weight analysis from each viable litter.

3.2.8 Following F_0 female necropsy the F_0 males were killed and examined macroscopically. Selected organs were weighed and/or preserved for histopathological evaluation. A sample of epididymal semen was analysed for sperm motility. A sample of semen was prepared for morphological assessment. Testicular and epididymal samples were frozen for subsequent homogenisation resistant spermatid enumeration.

3.2.9 Selected F_1 males and females were evaluated for evidence of sexual maturation. Those offspring selected for this function alone and not also to produce the second generation were killed and discarded.

3.2.10 The F_1 males and females were dosed for up to 75 days prior to pairing.

3.2.11 A vaginal smear was prepared daily, for twenty-one days prior to pairing for all F_1 females.

3.2.12 The F_1 males and females were paired within their respective dose groups for up to twenty-one days.

3.2.13 Following evidence of mating the F_1 males were returned to their original holding cages. Dosing of males continued until termination.

3.2.14 F_1 females were housed individually and dosed throughout gestation. Females were allowed to deliver their offspring to produce the F_2 litters.

3.2.15 Dosing of females continued throughout lactation. Offspring were assessed for growth and development for twenty-one days.

3.2.16 At day 21 of lactation, all adult F_1 females were killed and examined macroscopically. Selected organs were weighed and/or preserved for histopathological examination. All offspring were killed and examined macroscopically. Where possible, one male and one female offspring were selected for organ weight analysis from each viable litter.

3.2.17 Following F_1 female necropsy, the F_1 males were killed and examined macroscopically. Selected organs were weighed and/or preserved for histopathological evaluation. A sample of epididymal semen was analysed for sperm motility. A sample of semen was prepared for morphological assessment. Testicular and epididymal samples were frozen for subsequent homogenisation resistant spermatid enumeration.

3.3 Observations

3.3.1 Mortality/Morbidity

All animals were checked twice daily during the normal working week and once daily on weekends and public holidays.

3.3.2 Clinical Observations

All animals were observed daily, immediately before and one hour after dosing, for clinical signs of toxicity and any changes to normal clinical condition. In addition, on the observation of increased salivation immediately after dosing, an additional observation was included.

3.3.3 Bodyweight

During the maturation and mating period the F_0 and F_1 generation adults were weighed weekly. Following mating the F_0 and F_1 males were weighed weekly until termination. F_0 and F_1 generation females showing evidence of mating were weighed on Days 1, 4, 7, 14 and 21 *post coitum*. F_0 and F_1 generation females with a live litter were weighed on Days 1, 4, 7, 14 and 21 *post partum*.

3.3.4 Food Consumption

During the maturation periods food consumption was recorded weekly for each cage of F_0 and F_1 generation adults. For F_0 and F_1 generation females showing evidence of mating, food consumption was recorded for the periods covering Days 1 to 7, 7 to 14 and 14 to 21 *post coitum*. For parental generation females with live litters, food consumption was recorded for the period covering Days 1 to 7 and 7 to 14 and 14 to 21 *post partum*.

3.3.5 Oestrous Cycles

Prior to pairing of females for the F_0 and F_1 mating phases, a vaginal smear was taken daily for twenty-one days and a sample was placed on a glass slide. The smears were allowed to dry and then stained using a diluted giemsa stain. The smears were examined microscopically and the stage of oestrous was recorded.

3.3.6 Mating

After the F_0 and F_1 maturation periods, the respective F_0 and F_1 generation adults were paired on a one male to one female basis for a period of up to twenty one days. Following pairing, the polypropylene trays beneath each cage were checked each morning for the presence of ejected copulation plugs. Additionally each female was checked for the presence of a copulation plug in the vagina. A vaginal smear was prepared for each female and the stage of the oestrous cycle or the presence of sperm was recorded. The presence of sperm within the vaginal smear and/or vaginal plug *in situ* was taken as positive evidence of mating. Mated females were then separated from the male and housed individually during the period of gestation and lactation. The males were returned to their original holding cages.

3.3.7 Pregnancy and Parturition

Each pregnant female was observed at 0830, 1230 and 1630 hours at or around the period of expected parturition. At weekends, observations were carried out at 0830 and 1230 hours only. The following was recorded for each female:

i). Date of mating

ii). Date and time of observed start of parturition

iii). Date and time of observed completion of parturition

3.3.8 Litter Data

At the observation of completion of parturition, the number of live and dead offspring was recorded. The subsequent date and time of Day 1 *post partum* litter observations were standardised according to the following:

Day 1 Observations – Weekdays

Littering complete	0830 hours	1230 hours	1630 hours
Day 1 litter observations performed	1630 hours same day	0830 hours next day	1230 hours next day

Day 1 Observations – Weekends/Public Holidays

Littering started	Overnight	1230 hours
Littering complete	0830 hours	1630 hours same day assumed
Day 1 litter observations performed	1230 hours same day	1230 hours next day

At day 1 all live offspring were identified using a sequence of alternating subcutaneous injections of tattoo ink into one or more paws and/or the base of the tail.

The following were recorded for all individual offspring alive on the particular day of observation.

3.3.8.1 *Bodyweight*

Individual offspring weights were recorded on Days 1, 4, 7, 14 and 21 *post partum*.

3.3.8.2 *Offspring Numbers and Sex*

The number of offspring was recorded daily, up to weaning, and reported for Days 1, 4, 7, 14 and 21 *post partum*. On Days 1 and 21 the sex of individual offspring were recorded.

3.3.8.3 *Clinical Signs*

The clinical condition of individual offspring was observed daily and any findings recorded.

3.3.8.4 *Physical Development*

All live offspring were observed for the following landmarks of development:

a) **Detachment of pinna** – as noted by the separation of the edges and subsequent unfolding of both pinnae.

b) **Tooth Eruption** – as noted by the eruption of the upper incisors through the gum.

c) **Eye Opening** – as noted by the separation of the upper and lower eyelids of both eyes.

3.3.8.5 *Offspring Reflexological Assessment*

All live offspring were assessed for reflexological response to various stimuli as follows:

a) **Surface Righting Reflex** – on Day 1 *post partum*, offspring were tested for their ability to turn over to a normal resting position when placed of their back on a flat surface.

b) **Mid-air Righting Reflex** – on Day 17 *post partum,* offspring were tested for their ability to turn their body to a normal upright position, in mid-air, when dropped from a standard height above a bed of sawdust.

c) **Startle Reflex** – on Day 21 *post partum*, auditory function was assessed by the reaction of offspring to a short auditory stimulus.

d) **Pupil Reflex** – on Day 21 *post partum*, offspring pupil reaction to light, shone on each eye, was assessed.

3.3.8.6 *Selection of Offspring*

From the F_0 litters offspring were selected for observation of sexual maturation and/or for provision of an F_1 generation. Twenty-eight males and twenty-eight females were selected from litters from each dose group to form the F_1 generation. These offspring were selected from those litters that were closest to the median weaning date. An additional male and female offspring were selected from those litters classified as outliers due to their later weaning dates. These offspring were identified and were assessed for sexual maturity only and then discarded. The offspring were selected randomly using computer generated random number tables. Where insufficient litters were available for offspring selection, additional offspring were selected from

litters. The actual numbers of F_0 generation litters used for the selection process were 24 out of 25, 24 out of 25, 24 out of 25 and 26 out of 28 for the control, low, intermediate and high dose groups respectively.

3.3.8.7 *Selected F_1 – Sexual Maturation*

All selected F_1 offspring were observed for sexual development. For females the day of appearance of vaginal opening (separation of the labia) was recorded; for males the day of separation of the prepuce from the *glans penis* was recorded. The bodyweight for each individual at the time of sexual maturation was also recorded.

3.3.9 Post Mortem Studies

3.3.9.1 *Decedents*

All adult animals found dead during the course of the study were examined macroscopically for internal and external abnormalities. All significant abnormalities were retained in fixative for possible further study. All offspring that died, or were killed *in extremis* during the lactation period were examined macroscopically internally and externally.

3.3.9.2 *Terminal Necropsy*

a) **Adult Animals** – following successful weaning of offspring, all the surviving adults, and including animals failing to produce a litter plus those failing to mate, were killed by carbon dioxide asphyxiation, followed by cervical dislocation. All animals were examined macroscopically for both internal and external abnormalities. Selected organs and tissues were retained in fixative and a sperm sample taken from F_0 and F_1 males for assessment of sperm concentration, motility and morphology (section 3.3.9.6).

b) **Offspring** – with the exception of those offspring selected to form the F_1 generation, all offspring alive at weaning were killed by carbon dioxide asphyxiation, followed by cervical dislocation. All these offspring were examined for internal and external abnormalities.

3.3.9.3 *Organ Weights*

The following list of organs were weighed for all adult F_0 and F_1 animals at terminal necropsy where applicable:

Epididymides	Brain
Ovaries	Adrenals
Pituitary	Kidneys
Prostate	Liver
Seminal vesicles (with coagulating gland)	Thymus
Testes	Spleen
Uterus (with cervix)	Thyroid gland

The following organs were weighed from one male and one female offspring from the F_0 and F_1 pairings (where available).

Brain

Spleen

Thymus

3.3.9.4 *Tissue Preservation*

a) The following list of tissues and organs, from all adult F_0 and F_1 animals at terminal necropsy (section 3.3.9.2a) were preserved in neutral buffered formalin with the exception of the left testis and epididymis which were preserved in Bouins fluid.

Adrenals
Epididymis
Lesions (target organs)
Ovaries
Pituitary gland
Prostate
Seminal vesicles (with coagulating gland)
Testis
Uterus (with cervix)
Vagina

3.3.9.5 *Histopathology*

The tissues from the list presented in section ***3.3.9.4 a)*** from high dose and control F_0 and F_1 animals, together with significant abnormalities from decedent animals and animals failing to produce a litter were despatched to Precision Histology International Limited., One Eyed Lane,

Weybread, Diss, Norfolk. After dehydration in alcohol and embedding in paraffin wax, sections were cut at approximately 5 µm thickness and stained with Haemotoxylin and Eosin.

The prepared sections of tissues from F_0 and F_1 adults were subsequently evaluated microscopically by a pathologist.

3.3.9.6 *Semen Assessment*

At necropsy of adult F_0 and F_1 males the following evaluations were performed:

i) The left testis and epididymis were removed, dissected from connective tissue and weighed separately.

ii) For the testis, the tunica albuginea was removed and the testicular tissue stored frozen at approximately -20°C. At an appropriate later date the tissues were thawed, re-weighed and homogenised in a suitable saline/detergent mixture. Samples of the homogenate were stained with a DNA specific fluorescent stain and a sub-sample was analysed for numbers of homogenisation resistant spermatids.

iii) For the epididymis the distal region was incised and a sample of the luminal fluid collected and transferred to a buffer solution for analysis of sperm motility and sperm morphology. A minimum of 200 individual sperm were assessed using an automated semen analyser, to determine the numbers of motile, progressively motile and non-motile sperm. The characteristics of motile sperm were also identified using the computer assisted sperm analyser (Hamilton-Thorne TOX IVOS system).

iv) A sample of semen was stained with a DNA specific fluorescent stain. A sub-sample was placed on a glass slide with a coverslip and a morphometric analysis of sampled semen was performed using the RAT Metrix program (Hamilton-Thorne TOX IVOS system).

v) The cauda epididymis was separated from the body of the epididymis, and then weighed. The cauda epididymis was then frozen at approximately -20°C. At an appropriate later date the tissues were thawed, re-weighed and homogenised in an appropriate saline/detergent mixture. Samples of the homogenate were stained with a DNA specific fluorescent stain and a sub-sample was analysed for homogenisation resistant spermatids.

vi) For both ii) and iv) above, samples from Groups 1 and 4 were evaluated only as no significant effects were seen.

3.3.9.7 *Evaluation of Oocyte Number*

For evaluation of oocyte number, the ovaries of ten selected control and high dose females from the F_1 generation; five slides per female were prepared by serial sectioning of the tissue and selection of every tenth section for mounting on a glass slide. Each slide was stained with haematoxylin and eosin. The sections of ovary from selected females was examined microscopically and visible oocytes were identified and classified according to the following criteria:

Small follicles (S) - Range from a single oocyte to an oocyte with an associated layer of granulosa cells.

Medium follicles (G) - Range from oocytes with more than a single layer of granulosa cells to oocytes with multiple layers of granulosa cells.

Large follicles (A) - Range from oocytes with micro cavitation representing the early follicular antrum to Graafian follicles.

4. EVALUATION OF DATA

The data were processed to give litter mean values, group mean values and standard deviations.

The following sections describe the methods of evaluation of data.

4.1 Food Conversion Ratio

Calculated weekly during the maturation period of the Parental generation.

$$\text{Food conversion ratio} = \frac{\text{Group mean bodyweight gain (g/day) during week}}{\text{group mean food consumption (g/rat/day)}}$$

4.2 Oestrous Cycle

The stages of oestrus were classified according to the following criteria:

Dioestrus (D) - predominantly leucocytes present although some epithelial and cornified cells can be seen.

Proestrus (P)	-	predominantly epithelial cells, usually in significant numbers.
Early Oestrus (E_1)	-	predominantly cornified cells, usually seen as small groups or isolated cells.
Late Oestrus (E_2)	-	predominantly cornified cells usually seen as clumps of cells.
Metoestrus	-	large numbers of leucocytes with discrete clumps of cornified cells.

The oestrous cycles are classified according to the following criteria:

Normal oestrous	-	The pattern of daily stages of oestrus show a four to five day cycle, that is generally repeated over 21 days.
Extended oestrous	-	The observation of a predominance of epithelial/cornified cells for more than two days for more than one oestrous cycle.
Extended dioestrous	-	Where the predominant cell type is the leucocyte for more than three consecutive days over more than one oestrous cycle.
Irregular cycle	-	An irregular length of oestrous cycle is observed over the 21 day evaluation period.
Acyclic	-	No evidence of an oestrous cycle is observed over the 21 day evaluation period.

4.3 Mating Performance and Fertility

The following parameters were calculated from the individual data during the mating period of the Parental generation.

4.3.1 Pre-coital Interval

Calculated as the time (days) elapsing between initial pairing and the observation of positive evidence of mating.

4.3.2 Fertility Indices

For each group the following were calculated.

$$\text{Mating index (\%)} = \frac{\text{Number of animals mated}}{\text{Number of animals paired}} \times 100$$

$$\text{Pregnancy index (\%)} = \frac{\text{Number of pregnant females}}{\text{Number of animals mated}} \times 100$$

4.4 Gestation and Parturition Data

The following parameters were calculated for individual data during the gestation and parturition period of the Parental generation.

4.4.1 Gestation Length

Calculated as the number of days of gestation including the days for observation of mating and start of parturition. Where the start of parturition occurred overnight, the total was adjusted by subtracting half a day.

4.4.2 Gestation and Parturition Index

The following was calculated for each group.

$$\text{Parturition Index} = \frac{\text{Number of females delivering live pups}}{\text{Number of pregnant females}} \times 100$$

4.5 Lactation Data

4.5.1 Live Birth and Viability Indices

The following indices were calculated for each group from individual data.

$$\text{Live Birth Index} = \frac{\text{Number of pups alive on Day 1}}{\text{Number of pups born}} \times 100$$

$$\text{Viability Index 1} = \frac{\text{Number of pups alive on Day 4}}{\text{Number of pups alive on Day 1}} \times 100$$

$$\text{Viability Index 2} = \frac{\text{Number of pups alive on Day 7}}{\text{Number of pups alive on Day 4}} \times 100$$

$$\text{Viability Index 3} = \frac{\text{Number of pups alive on Day 14}}{\text{Number of pups alive on Day 7}} \times 100$$

$$\text{Viability Index 4} = \frac{\text{Number of pups alive on Day 21}}{\text{Number of pups alive on Day 14}} \times 100$$

$$\text{Viability Index 5} = \frac{\text{Number of viable pups at weaning}}{\text{Number of pups on Day 1}} \times 100$$

4.5.2 Sex Ratio

Group mean values calculated from each litter value on Day 1 and 21 using the following formula:

$$\frac{\text{Number of male pups}}{\text{Number of pups of determined sex}} \times 100$$

4.5.3 Offspring Physical Development

A continuity correction of half a day was subtracted from the age of appearance of physical landmarks of development for those litters born overnight.

4.6 Sperm Analysis

4.6.1 Sperm Motility Characteristics

The following characteristics were recorded for individual sperm analysis:

Concentration (millions/ml) : based on the total number of motile and non-motile cells identified

Motility : is the ratio of recorded motile cells to the total concentration

Progressive Velocity (VSL)	:	is the straight line distance between the beginning and end of the track divided by time elapsed.
Trackspeed (VSL)	:	is the total distance between each CB (Centre of Brightness of the sperm head) position for a given cell during image acquisition.
Path Velocity (VAP)	:	is the smoothed average position of the CB and gives an average cell path velocity.
Straightness (Str)	:	measures the departure of a cell path from a straight line
Linearity (LIN)	:	measures the departure of a cell track from a straight line
Amplitude of lateral head displacement (ALH)	:	corresponds to the mean width of the head oscillation as the cell swims
Beat cross frequency (BCF)	:	is determined by measuring the frequency with which the cell track crosses the cell path in either direction.

4.6.2 Sperm Morphology Assessments

The following morphometric analyses were recorded for individual sperm:

Chord length	:	the straight line distance measured from the base of the head to the tip of the hook.
Arc length	:	the length measured along the curve of the sperm head from the base to the tip of the hook.
Area	:	the total head area viewed under fluorescent illumination.
Linearity	:	ratio of Chord length to Arc length.

Sperm are classified as abnormal if any of the values for the parameters listed fall outside the limits set by the analysers.

4.7 Statistical Evaluation

The following parameters were analysed statistically, where appropriate using the test methods outlined as follows:

4.7.1 Adult male and female bodyweight during the maturation, gestation and lactation periods, adult male food consumption, female food consumption during maturation, gestation and lactation, litter size, litter weight, individual offspring bodyweight, offspring landmarks of physical development, adult absolute organ weights, offspring organ weights, sperm motility and morphology.

Values were analysed to establish homogeneity of group variances using Levene's test followed by one-way analysis of variance. If the variances were unequal subsequent comparisons were performed using Dunnett's T3 Multiple comparison Method. If variances were equal subsequent comparisons between control and treated groups were performed using Dunnett's Multiple Comparison Method.

4.7.2 Adult pre-coital intervals, female gestation lengths, offspring reflexological responses, and litter sex ratios, adult organ weights relative to bodyweight. Individual values were compared using the Kruskal-Wallis non parametric rank sum test. Where significant differences were seen, pairwise comparison of control values against treated group values was performed using Mann-Whitney "U" test.

4.7.3 Pregnancy and parturition indices were evaluated by chi-squared analysis.

4.7.4 Sexual development of F_1 offspring was assessed by using the methods described in section 4.7.1. In addition, time to development was evaluated by analysis of covariance, using the bodyweight at time of development as the covariate.

4.7.5 The histopathology findings report was prepared utilising the RoeLee© histopathology computer program version 2.05. A summary incidence table and individual animal report was prepared.

5. ARCHIVES

Unless instructed otherwise by the Sponsor, all original data and the final report will be retained in the Safepharm archives for five years, after which instructions will be sought as to further retention or disposal.

6. RESULTS

6.1 Mortality and Morbidity (Tables 2 to 3, 27, 28, 36 to 39 Appendices 1, 2, 23, 24, 33 to 36)

6.1.1 F_0 Generation

At 150 mg/kg one male (number 91) was found dead during maturation. One day prior to death, there was evidence of respiratory distress. Macroscopic *post mortem* examination showed fluid in the thorax and fibrous adhesions involving the lungs. Histopathology showed fibrinopurulent pleuritis associated with the lung. The finding is consistent with dosing trauma.

At 30 mg/kg one male (number 58) was found dead during the post mating phase of the study. There was no previous clinical history of ill-health. Macroscopic *post mortem* findings were enlarged kidneys and swollen liver. No significant histopathological changes were seen.

At 5 mg/kg there were no mortalities.

At 0 mg/kg one female (number 122) was killed *in extremis* during parturition as a result of suspected dystocia. At *post mortem* macroscopic examination, one offspring was found lodged in the vagina with other offspring found dead *in utero*. Histopathology showed inflammation and bacterial colonisation of the uterus.

6.1.2 F_1 Generation

At 150 mg/kg one female (number 435) was found dead during the lactation phase of the study. One day prior to death there was evidence of increased respiratory rate. At *post mortem* macroscopic examination there was evidence of fluid in the thorax and fibrous adhesions to the lungs which was found to be fibrinopurulent pleuritis at histopathology examination. This finding is consistent with dosing trauma. One female (number 441) was killed *in extremis* during gestation. One day prior to termination there was evidence of ill-health including hunched posture, pilo-erection, lethargy and laboured respiration. At *post mortem* macroscopic examination, green fibrous adhesions involving the lung were observed which was not confirmed at histopathological examination. A number of embryo deaths were seen *in utero* and histopathology of the uterus showed purulent endometritis which was the most likely cause of the deterioration of health.

At 30 mg/kg there were no mortalities.

At 5 mg/kg two females (numbers 366 and 377) were found dead during the maturation phase of the study. Neither animal showed any clinical history of ill-health prior to death. Macroscopic *post mortem* findings included fluid in the thorax and fibrous adhesions involving the lungs. Histopathology showed fibrinopurulent pleuritis for female (number 377) but only terminal congestion of the lungs for female (number 366). It was considered that these findings are consistent with dosing trauma.

At 0 mg/kg one male (number 232) was found dead during the maturation phase of the study. There were clinical signs of ill-health including hunched posture and pilo-erection although these signs were not seen for two days prior to death. Macroscopic *post mortem* examination showed fluid in the thorax and adhesions involving the lungs although histopathology only showed terminal congestion of the lungs. One female (number 348) was found dead during the maturation phase of the study. There was no clinical history of ill-health. Macroscopic *post mortem* examination showed fluid in the thorax and adhesions on the lungs. Histopathology showed fibrinopurulent pleuritis. These findings for both mortalities at 0 mg/kg are consistent with dosing trauma.

6.2 Clinical Observations (Tables 2 and 3, Appendices 1 and 2)

6.2.1 F_0 Generation

At 150 mg/kg all males and females showed evidence of increased salivation immediately after dosing. This finding was generally observed within 2 to 3 weeks of initiation and generally persisted during the course of the study. The majority of animals also showed increased salivation immediately pre-dosing although at a lower incidence and frequency.

At 30 mg/kg there was evidence of increased salivation, particularly, immediately post dosing, but at a lower incidence and severity compared to animals at 150 mg/kg. There was one incident of pre-dosing salivation.

At 5 mg/kg there were isolated incidents of increased salivation, particularly immediately post dosing.

At 0 mg/kg there were isolated incidents of increased salivation for females only.

All other clinical observations were seen at a frequency that does not indicate a treatment-related response and were therefore considered to be incidental.

6.2.2 F_1 Generation

At 150 mg/kg all males and females showed evidence of increased salivation, immediately post dosing. The majority of animals showed increased salivation pre-dosing although this was at a lower incidence and frequency. The onset and frequency of these findings were generally comparable to F_0 animals at this dose level.

At 30 mg/kg increased salivation, particularly immediately post dosing, was observed for males and females but at a lower incidence and frequency compared to animals at 150 mg/kg.

At 5 mg/kg there were isolated incidents of increased salivation, particularly immediately post dosing, during the study.

At 0 mg/kg there were isolated incidents of immediately pre-dosing and post dosing increased salivation.

The increased salivation noted for animals of both generations is considered to be the result of oral administration of an unpleasant tasting test material rather than toxicity.

All other clinical observations were seen at a frequency that does not indicate a treatment-related response and were therefore considered to be incidental.

6.3 Bodyweight

6.3.1 Maturation (Figures 1 to 4, Tables 4 to 7, Appendices 4 to 7)

6.3.1.1 *F_0 and F_1 Generations*

At 150 mg/kg there were no significant differences in group mean male or female bodyweights during the respective maturation periods and also the post maturation phase for males. The overall cumulative bodyweight gain for males throughout the study was reduced by 5.5% and 5.3% for F_0 and F_1 generations respectively, compared to control values. Statistically significant differences in male or female weekly bodyweight gains during the course of the maturation/post maturation periods were intermittent and showed no treatment-related trends. Female bodyweight gain during maturation was not significantly different when compared to control values.

At 30 and 5 mg/kg there were no significant treatment-related differences in group mean bodyweight or bodyweight gain for males or females during the male and female maturation periods and also the male post maturation periods.

6.3.2 Gestation (Figures 9 and 10, Table 16, Appendix 12)

6.3.2.1 *F_0 and F_1 Generation*

There were no significant treatment-related effects upon group mean female bodyweight during gestation.

6.3.3 Lactation (Figures 11 and 12, Table 17, Appendix 13)

6.3.3.1 *F_0 and F_1 Generations*

There were no significant treatment related effects upon group mean female bodyweight during lactation.

6.4 Food Consumption

6.4.1 Maturation (Figures 5 to 8, Tables 8 and 9, Appendices 8 and 9)

6.4.1.1 *F_0 and F_1 Generations*

There were no significant treatment-related differences in male or female food consumption values compared to controls during the maturation periods and also the male post maturation periods. There were occasional statistically significant differences between treated groups and controls which were not indicative of any treatment-related trend.

6.4.2 Gestation (Table 18, Appendix 14)

6.4.2.1 *F_0 and F_1 Generations*

There were no significant treatment-related effects upon female food consumption values, compared to controls, during the gestation periods.

6.4.3 Lactation (Table 18, Appendix 15)

6.4.3.1 *F_0 and F_1 Generations*

There were no treatment-related effects upon female food consumption values, compared to controls, during the lactation periods.

6.4.4 Food Conversion Ratio (Tables 10 and 11)

6.4.4.1 *F_0 and F_1 Generations*

The method for calculation is presented in section 4.1 of this report.

There were no significant treatment-related differences in male or female food conversion ratios during their respective maturation periods.

6.5 Reproductive Performance

6.5.1 Oestrous Cycle Assessment (Table 12, Appendix 10)

6.5.1.1 *F_0 and F_1 Generations*

There were no significant treatment-related effects upon oestrous cyclicity of females from either generation. There were no effects upon the type or proportion of females with anomalous oestrous cycles.

6.5.2 Mating Performance and Fertility (Tables 13 and 14, Appendix 11)

6.5.2.1 *F_0 and F_1 Generations*

There were no significant treatment-related effects upon the precoital interval times with the majority of animals showing positive evidence of mating within four days of pairing. The distribution of animals with precoital intervals in excess of four days showed no treatment-related trends. There were no significant treatment-related differences in the fertility or pregnancy indices for either generation.

6.5.3 Gestation and Parturition (Table 15, Appendix 11)

6.5.3.1 *F_0 and F_1 Generations*

There were no significant treatment-related effects upon pregnancy or parturition. The females that failed to produce a live litter were those with dystocia or gave birth to dead offspring. The proportion of females with no live litter or dystocia showed no treatment-related trend. There were no treatment-related effects upon gestation length with the majority of females having a gestation length between 22 and 23 days.

6.6 Litter Data

6.6.1 Live Litter Size and Viability (Tables 19 and 20, Appendices 16 and 47)

6.6.1.1 *F_0 Generation*

At 150 mg/kg there was a slight reduction in litter size at birth with a concomitant reduction in mean uterine implantation number. The differences were not significantly different, statistically, from control values. The actual litter values were comparable to the background control incidence for these parameters. Subsequent offspring viability throughout lactation was comparable to control values.

At 30 and 5 mg/kg there were no significant treatment-related effects upon litter size at birth or implantation number. Offspring viability throughout lactation was comparable to controls.

6.6.1.2 *F_1 Generation*

At 150 mg/kg there was a slight reduction in litter size at birth with a concomitant reduction in mean uterine implantation number. The differences were not significantly different, statistically, from control values and are within the acceptable range from background control data. Subsequent offspring viability throughout lactation was comparable to control values.

At 30 and 5 mg/kg there were no significant treatment-related effects upon litter size at birth or implantation number. Offspring viability throughout lactation was comparable to control values.

6.6.2 Offspring Clinical Condition (Appendix 3)

6.6.2.1 *F_0 and F_1 Generations*

There were no treatment-related effects upon the type and incidence of clinical findings for offspring during the lactation phases of the study.

The type of findings recorded were those commonly observed for this type of study.

6.6.3 Offspring Bodyweight Gain and Development (Figures 13 to 16, Tables 21 to 23, Appendices 17 to 19)

6.6.3.1 *F_0 and F_1 Generations*

There were no significant treatment-related effects upon offspring bodyweight throughout the lactation phases. There were no significant differences in the time of onset and completion of the landmarks of offspring development.

At 150 mg/kg there was a statistically significant difference ($p<0.05$) in group mean total litter weight at Day 1 of lactation of F_1 – F_2 offspring, compared to control values. This was considered to be due to a lower group mean litter size as the mean offspring weights were comparable to control values.

At 30 mg/kg there was a statistically significant difference ($p<0.05$ females, $p<0.01$ males) in mean offspring bodyweight at Day 1 *post partum* for the F_1 – F_2 offspring only. This was considered not to be toxicologically significant because of the lack of treatment relationship and the lack of similar response in the F_0 – F_1 generation.

At 5 mg/kg there was an increase in group mean litter weight at Day 21 *post partum* which was statistically significant compared to control values ($p<0.05$) for both generations. This was considered to be incidental as there was no significant effects on individual bodyweight.

6.6.4 Offspring Reflexological Responses (Table 24, Appendix 20)

6.6.4.1 *F_0 and F_1 Generations*

There were no significant treatment-related differences in offspring reflexological responses.

6.6.5 Offspring Sex Ratios and Ano-genital Distances (Table 25, Appendices 16 and 21)

6.6.5.1 *F_0 and F_1 Generations*

There were no significant treatment-related differences in offspring sex ratios at Day 1 or 21 of lactation. There were no significant treatment-related differences in ano-genital distances for either sex at Day 1 of lactation for either generation.

6.6.6 Sexual Development (Table 26, Appendix 22)

6.6.6.1 *Selected F_1 Generation*

At 150 mg/kg there was a significant reduction in the age at completion of sexual maturation for selected F_1 females which was statistically significant ($p<0.01$) compared to control values. In addition there was a concomitant reduction in female bodyweight at sexual maturation. The difference was significant ($p<0.001$) compared to control values.

There was a slight increase in age at completion of male sexual maturation and bodyweight at the time of sexual maturation compared to control values. These differences were not statistically significant and the relevance of these findings is questionable because of the intergroup variability in age and bodyweight at male sexual maturation.

At 30 and 5 mg/kg there were no significant differences in age at sexual maturation or bodyweight at sexual maturation for males or females.

6.7 Terminal Studies

6.7.1 Adult Necropsy Findings (Tables 27 and 28, Appendices 23 and 24)

6.7.1.1 *F_0 and F_1 Generations*

There were no significant treatment-related macroscopic findings for adult males or females of either generation.

The macroscopic findings that were recorded on this study represent those anomalies that are commonly observed for this species and strain.

6.7.2 Offspring (Table 29, Appendix 26)

6.7.2.1 *F_0 and F_1 Generations*

There were no significant treatment-related macroscopic findings for offspring that were found dead during the lactation phases of the study. There were no significant treatment-related macroscopic findings for offspring that were killed, as scheduled, at the end of the lactation phase of each generation.

The macroscopic findings that were recorded on this study represent those anomalies that are commonly observed for this species and strain.

6.7.3 Organ Weights – Adults (Tables 30 and 31, Appendices 25, 27 and 28)

6.7.3.1 *F_0 Generation*

At 150 mg/kg there was a reduction in group mean seminal vesicle/coagulating gland, both absolute values and as a percentage of bodyweight. The differences were statistically significant ($p<0.001$ and $p<0.05$ respectively) compared to control values. There was a reduction in group mean left epididymis weight compared to control values. The difference was statistically significant ($p<0.05$) for absolute values but not for epididymal weight as a percentage of bodyweight. There was no statistically significant difference in the weight of the right epididymis compared to control values. There was a slight increase in group mean male liver and kidney weight. The difference in liver and kidney weight, relative to bodyweight was statistically significant ($p<0.01$ and $p<0.05$ respectively) compared to control values. The difference in absolute values were not statistically significant compared to control values. There were no significant differences in female liver and kidney weight compared to controls.

There were no significant treatment-related differences in female organ weights compared to control values.

At 30 mg/kg there was a reduction in group mean seminal vesicle/coagulating gland weight compared to control values. The difference was statistically significant ($p<0.05$) for both absolute value and as a percentage of bodyweight. There was a lower group mean left epididymis weight compared to control values. The difference was statistically significant ($p<0.05$) for absolute organ weight but not as a percentage of bodyweight. There was an increase in female group mean thyroid weight compared to control values. The difference was statistically significant ($p<0.05$) for thyroid weight as a percentage of bodyweight but not for absolute values.

At 5 mg/kg there was a slight reduction in group mean seminal vesicle/coagulating gland weight compared to control values. The difference was statistically significant ($p<0.05$) for the organ weight as a percentage of bodyweight but not for absolute organ weight. There was an increase in group mean thyroid weight for females compared to control values. The difference was statistically significant ($p<0.01$) for the organ weight as a percentage of bodyweight but not for the absolute value.

6.7.3.2 *F_1 Generation*

At 150 mg/kg there was a reduction in male group mean seminal vesicle/coagulating gland weight compared to control values. The difference was statistically significant ($p<0.001$ and $p<0.05$) for absolute values and as a percentage of bodyweight respectively. There was a slight increase in male group mean liver, kidney and thyroid weight compared to control values. In all three cases the differences compared to control values for absolute weight were not statistically significant but, as percentages of bodyweight, the liver and kidney values were statistically significant ($p<0.001$). For females, there was an increase in group mean uterus/uterine cervix weight compared to control values. The difference was statistically significant for both absolute weight ($p<0.01$) and as a percentage of bodyweight ($p<0.001$). There was no significant increase in the proportion of females that were in pro-oestrous at necropsy. As the increase in weight was not seen in the F_0 generation, it was considered to be a chance result.

At 30 mg/kg there was an increase in male thyroid gland weight compared to control values. The difference was statistically significant for group mean absolute and relative values ($p<0.05$ and $p<0.01$ respectively). The increase in weight was higher than that seen at 150 mg/kg. There was a reduction in group mean seminal vesicle/coagulating gland compared to control values. The difference was statistically significant for both absolute value ($p<0.01$) and as a percentage of bodyweight ($p<0.05$). A statistically significant reduction in both absolute and relative liver weight ($p<0.05$ and $p<0.01$ respectively) was considered to be not toxicologically significant.

At 5 mg/kg there was a reduction in male group mean seminal vesicle/coagulating gland weight compared to control values. The difference was statistically significant ($p<0.05$) for absolute values but not as a percentage of bodyweight. There was an increase in male group mean thyroid weight compared to control values. The difference was statistically significant for thyroid weight as a percentage of bodyweight ($p<0.01$) and as the absolute value($p<0.05$) compared to control values.

6.7.4 Offspring Organ Weights (Table 32, Appendix 29)

6.7.4.1 *F_0 Generation*

At 150 mg/kg there was a slightly lower group mean brain weight for selected males only compared to control values. The difference was statistically significant ($p<0.05$).

At 30 and 5 mg/kg there were no significant differences in organ weight values compared to controls.

6.7.4.2 *F_1 Generation*

There were no significant treatment-related differences for selected offspring organ weight values.

6.7.5 Semen Analysis (Tables 33 to 35, Appendices 30 to 32)

6.7.5.1 *F_0 and F_1 Generations*

There were no significant treatment-related differences for sperm motility values. No significant differences were seen for morphological assessments or the homogenisation-resistant spermatid counts. A statistically significant ($p<0.05$) difference in testis homogenisation-resistant spermatid counts was considered to be fortuitous.

6.7.6 Histopathology – Adults (Tables 36 to 39, Appendices 33 to 36)

6.7.6.1 *F_0 and F_1 Generations*

There were no significant treatment-related histopathological changes associated with the reproductive organs for either generation. The findings recorded for this study were those associated with decedent animals or those commonly observed amongst animals of this strain and age.

6.7.7 Oocyte Counts (Table 40, Appendix 37)

6.7.7.1 *F_1 Generation*

There were no significant treatment-related differences in overall oocyte number. Statistically significant differences noted for different populations of oocytes for individual ovaries were not reflective of a treatment-related change.

At 150 mg/kg there were slight differences in the proportion of growing and antral follicles for either or both ovaries. The differences were statistically significant ($p<0.05 - 0.01$). The margin of difference does not represent a significant reduction in follicle number. The mean differences represent less than one follicle and therefore can be regarded as within acceptable biological variation.

7. DISCUSSION

7.1 Adults

The majority of mortalities were associated with either dosing trauma or, to a minimal extent, suspected dystocia. As these findings were either not restricted to treatment groups or there was no dose response, there is no connection to administration of the test material.

At 150 mg/kg there were significant observations of increased salivation, either pre-dosing or post-dosing. This is a commonly observed finding with the administration of an unpleasant tasting material and is not interpreted as an indicator of toxicity. The incidence and frequency were increased in a dose-related pattern with all males and females at the highest dose level showing evidence of increased salivation, predominantly post-dosing.

For both F_0 and F_1 males, there was evidence of a slight reduction in overall bodyweight gain throughout the total dosing period. This slight reduction did not result in significant differences in group mean bodyweight. No effects on female bodyweight gain were observed through the gestation and lactation phases of either generation.

No treatment-related effects upon food consumption were observed for females prior to mating.

No effects were noted upon mating performance or fertility, and precoital intervals were unaffected at this dose level.

Post mortem evaluations showed no significant treatment-related macroscopic findings for males or females of either generation.

A sight difference in the population of growing antral ovarian follicles were observed at oocyte evaluation. Because the margin of variation was low and there were no significant differences in the population of small follicles for F_1 females, it was considered that the results were within acceptable biological variation.

Semen analysis showed no significant effects upon sperm concentration or motility scores. Morphological analysis showed no significant effects upon individual sperm morphometric analysis. There were no effects upon homogenisation-resistant spermatid counts.

Organ weight analysis showed a significant reduction in seminal vesicle/coagulating gland weights for males of either generation, therefore this is not an effect upon development. The effect was seen for both absolute values and as a percentage of bodyweight. This reduction in organ weight was not associated with any pathological changes macroscopically or microscopically. In addition there were no significant effects upon other reproductive organs and no significant effects upon reproductive performance or fertility. There were no significant differences in the sperm characteristics that were assessed, when compared to control males.

No significant differences were seen amongst female organ weights for the F_0 generation but significantly increased uterus weights were observed for the F_1 generation. This weight difference was not associated with histopathological change and no alterations to oestrous cyclicity (including the stages of oestrus at necropsy) or reproductive performance were seen. The organ weight changes for males and females were therefore not associated with any pathological change and did not result in an alteration in reproductive capacity. The organ weight changes were not associated with an adverse effect on reproduction or reproductive performance. Other significant organ weight changes were observed which included an increase in male liver and kidney weights as a percentage of bodyweight for both generations. These changes were not seen amongst females of this dose level. Elevations in liver and kidney weight are normally associated with the metabolism and excretion of this type of test material. A significant increase in thyroid weight as a percentage of bodyweight was seen for males only. The relevance of this finding is of question because of a slightly higher increase was seen at 30 mg/kg and there was no concomitant effect for females.

At 30 mg/kg, for both F_0 and F_1 generation adults, there were clinical signs of increased salivation, predominantly post-dosing, but at a lower incidence and frequency than at 150 mg/kg. There were no other significant effects upon adults during the in-life phase of the study. There were no significant effects upon reproductive performance or fertility. No significant macroscopic or microscopic post mortem findings were found and semen analysis showed no significant effects on sperm motility, concentration or individual morphology. Organ weight analysis showed a significant reduction in male seminal vesicle/coagulating gland weight compared to control values. This was observed for both F_0 and F_1 generation males and has an apparent dosage response when compared to the highest dose level. There was an increase in thyroid weight as a percentage of bodyweight for F_1 males but not females. The weight differences compared to controls are likely to be fortuitous because of the lack of dose response.

At 5 mg/kg there were isolated incidents of predominantly post-dose increased salivation. The incidence and frequency were lower than other groups indicating a dosage response. There were no other significant effects upon adults during the in-life phase of the study. No significant macroscopic or microscopic post mortem findings were observed and semen analysis showed no significant effects upon sperm concentration, motility and morphology. Organ weight analysis showed a decrease in seminal vesicle/coagulating gland weight compared to controls. The reduction shows an apparent dosage-related trend. There was a slight increase in male thyroid weight compared to control values. As with other dose levels, there is no apparent trend in the dosage response.

7.2 Offspring

At 150 mg/kg there was a slight reduction in live litter size at birth for both generations. The difference compared to control values was not statistically significant and was in the normal control range for this type of study. No evidence of increased post-implantation loss was observed when a comparison of uterine implantation number and live litter size at birth was performed for F_1 generation litters. It is therefore likely that the result is fortuitous and not representative of embryolethality. There were no effects upon offspring viability throughout lactation. Offspring growth and development was comparable to controls and no significant clinical findings were observed amongst offspring during lactation. Post mortem evaluation of offspring that died during lactation or offspring that were killed at weaning showed no significant macroscopic findings. Organ weight analysis showed no significant differences to controls.

For selected F_1 female offspring there was a significant reduction in the age of completion of sexual maturation and also the bodyweight at the time of sexual maturation. This effect did not effect the oestrous cycles of females prior to mating and the subsequent mating performance of these females was unaffected. There was no significant effect upon ano-genital distance measurements for offspring at Day 1 of lactation and no significant effects on the sex ratios of litters. There was an increase in uterus weight for F_1 females but this was not observed amongst F_0 females. No significant effect upon F_1 male sexual maturation was observed.

No significant post mortem macroscopic changes were observed for either the offspring that died during lactation or at scheduled kill.

At 30 and 5 mg/kg there were no significant effects upon litter size at birth or subsequent offspring viability throughout lactation. There were no effects upon offspring growth and development. There were no effects upon offspring clinical condition throughout lactation. Macroscopic post mortem evaluation of offspring showed no significant changes and organ

weights of selected offspring were comparable with controls. There were no effects on the sexual maturation of selected F_1 animals. There were no significant post findings for offspring.

8. CONCLUSION

The administration of SP 7077 at a dose level of 150 mg/kg to two successive generations of rats resulted in minimal adult toxicity, including a slight reduction in overall male bodyweight gain and elevated liver and kidney weights. There was a reduction in the age and bodyweight for selected F_1 females at sexual maturation.

At all dose levels of 5 mg/kg and above for both generations, there was a reduction in the seminal vesicle/coagulating gland weight.

There were no effects upon fertility or reproductive performance and no significant macroscopic or microscopic post mortem changes.

The No Observed Effect Level for all aspects of the study was not established.

The No Observed Effect Level for offspring viability, growth and development was 30 mg/kg.

The No Observed Adverse Effect Level for fertility and reproductive performance was considered to be 150 mg/kg.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

FIGURES

Figure 1 **Group Mean Bodyweights – Males**
F_0 Generation

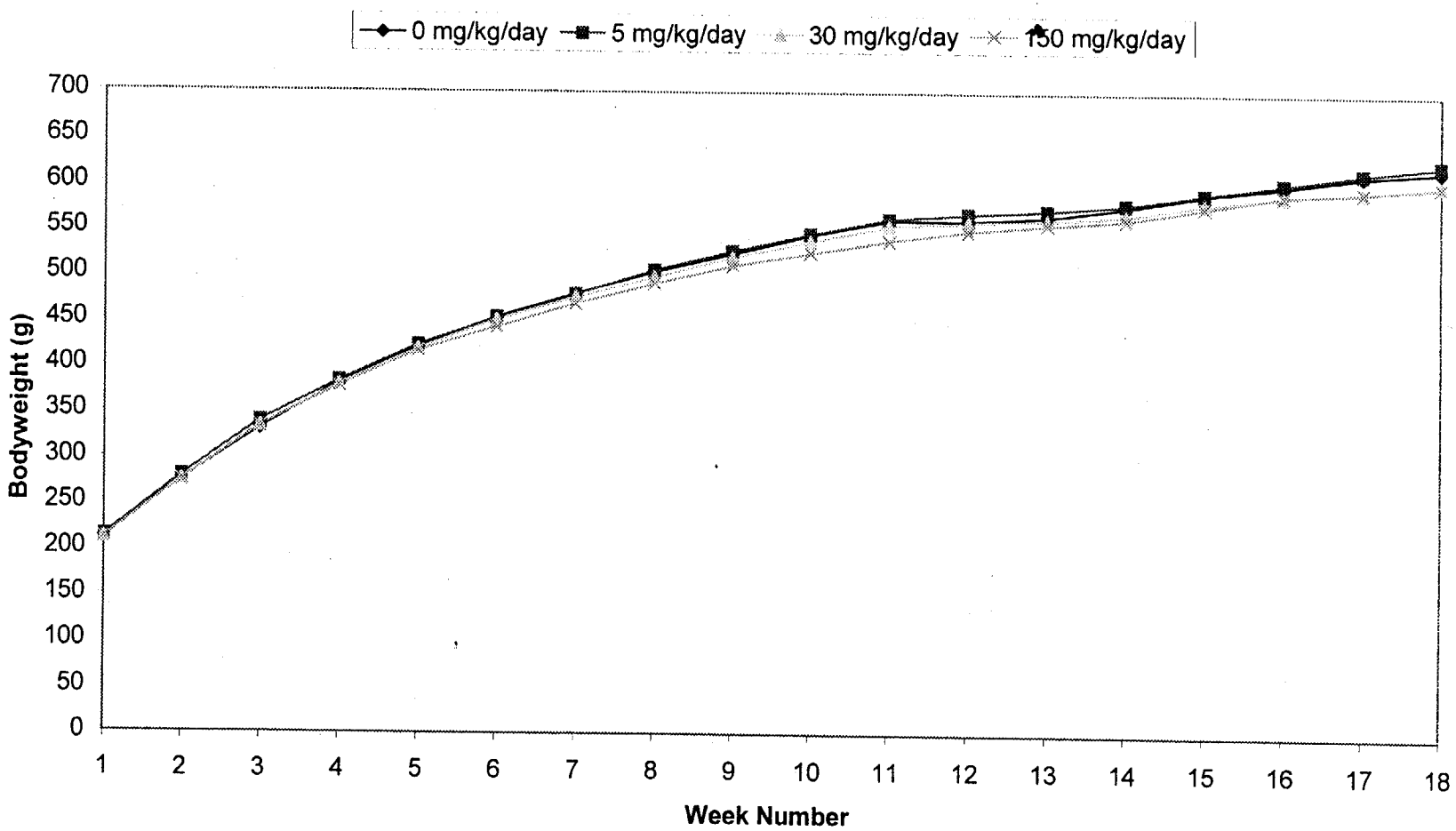


Figure 2 **Group Mean Bodyweights – Males**

F_1 Generation

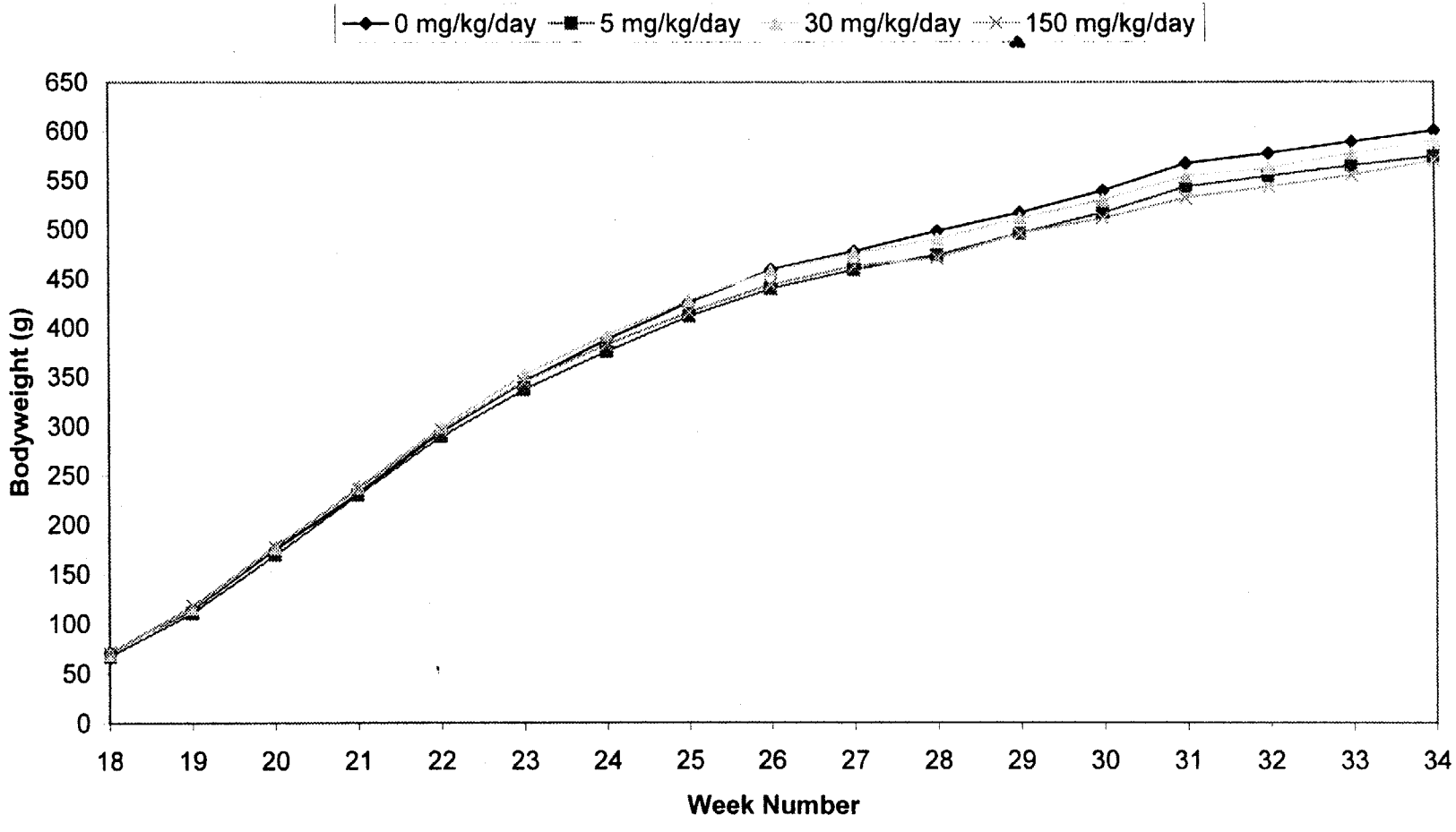


Figure 3 **Group Mean Bodyweights Before Pairing – Females**

F_0 Generation

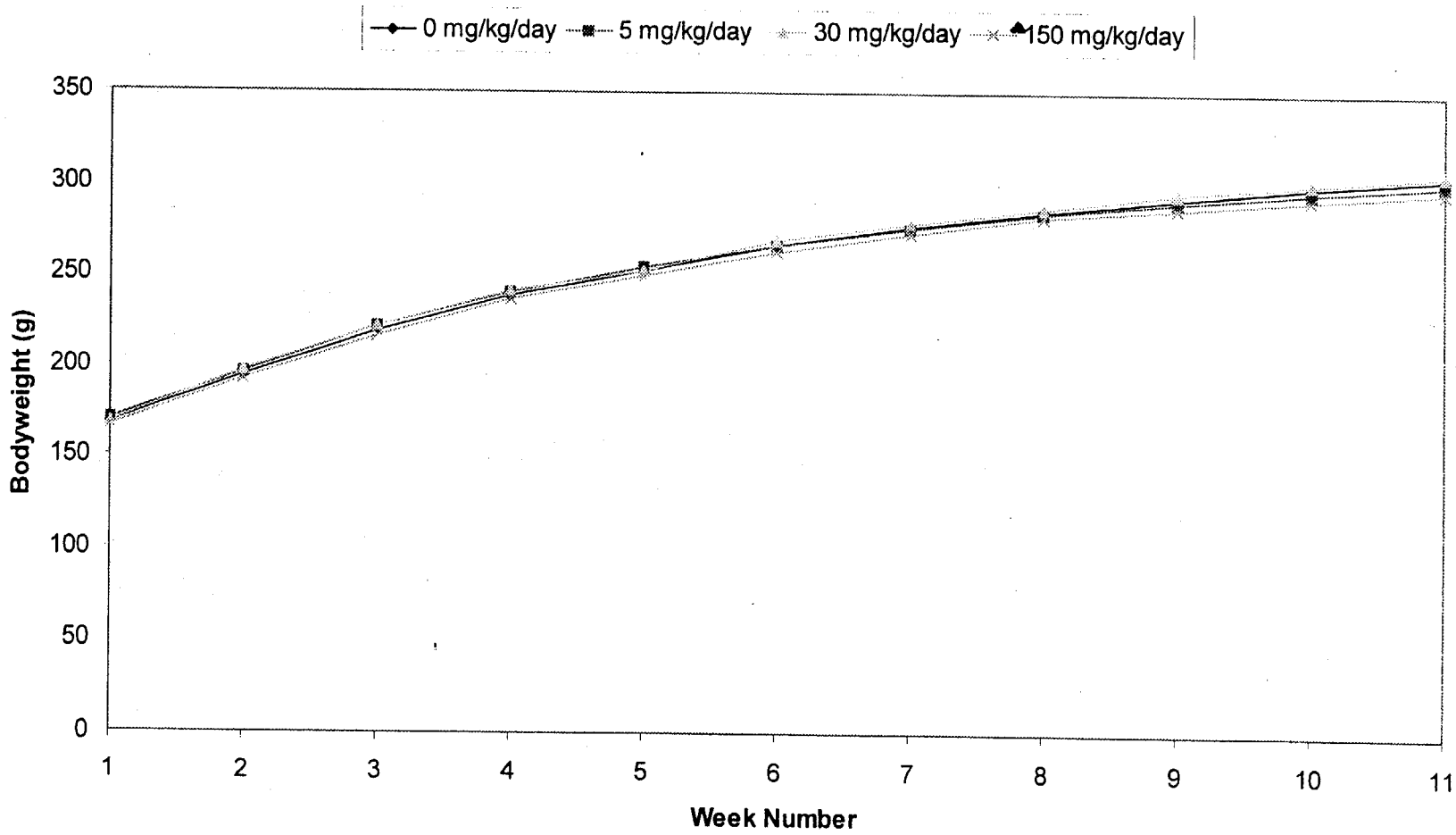


Figure 4 **Group Mean Bodyweights Before Pairing – Females**
F_1 Generation

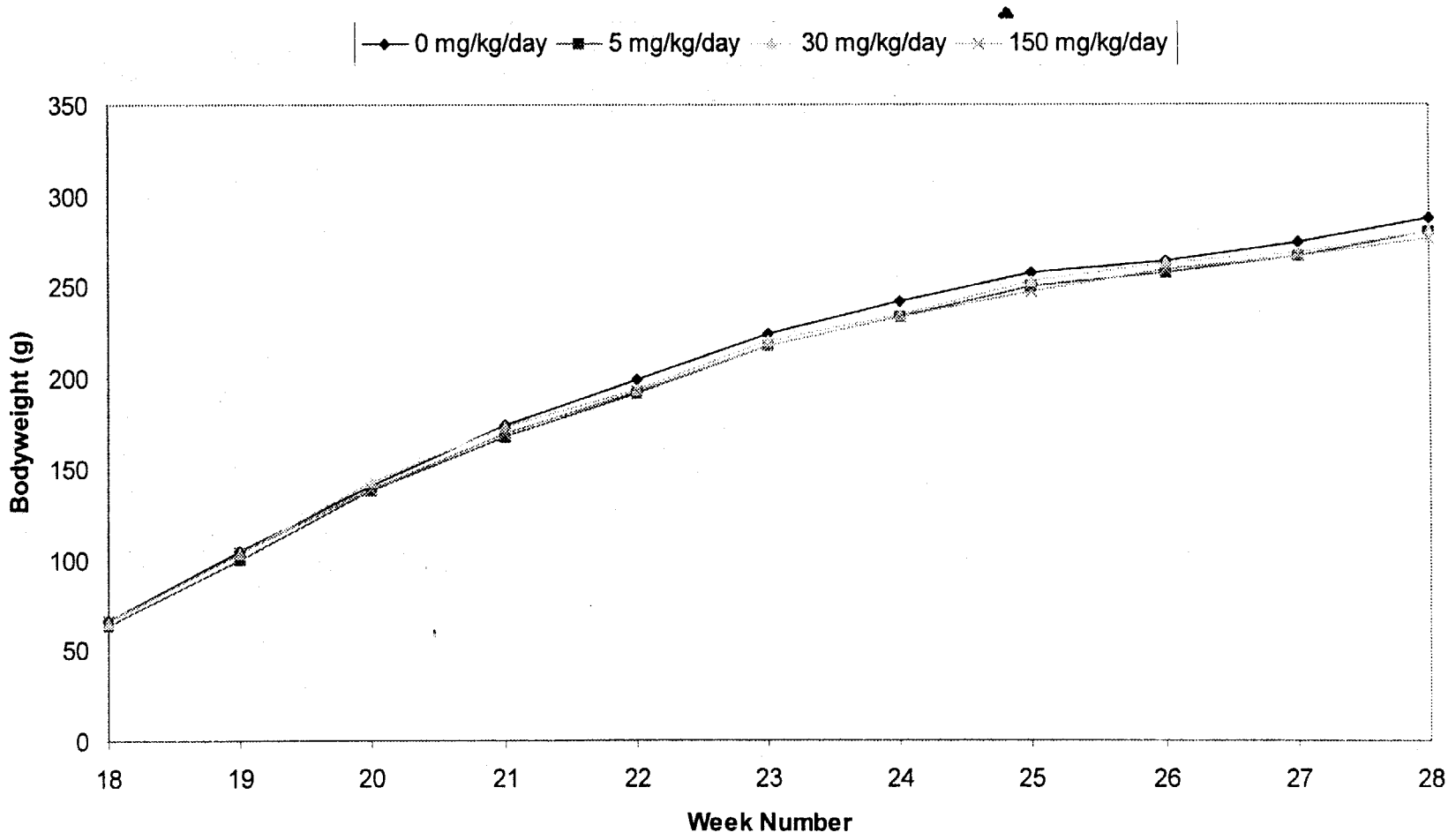


Figure 5 **Group Mean Food Consumption – Males**
F_0 Generation

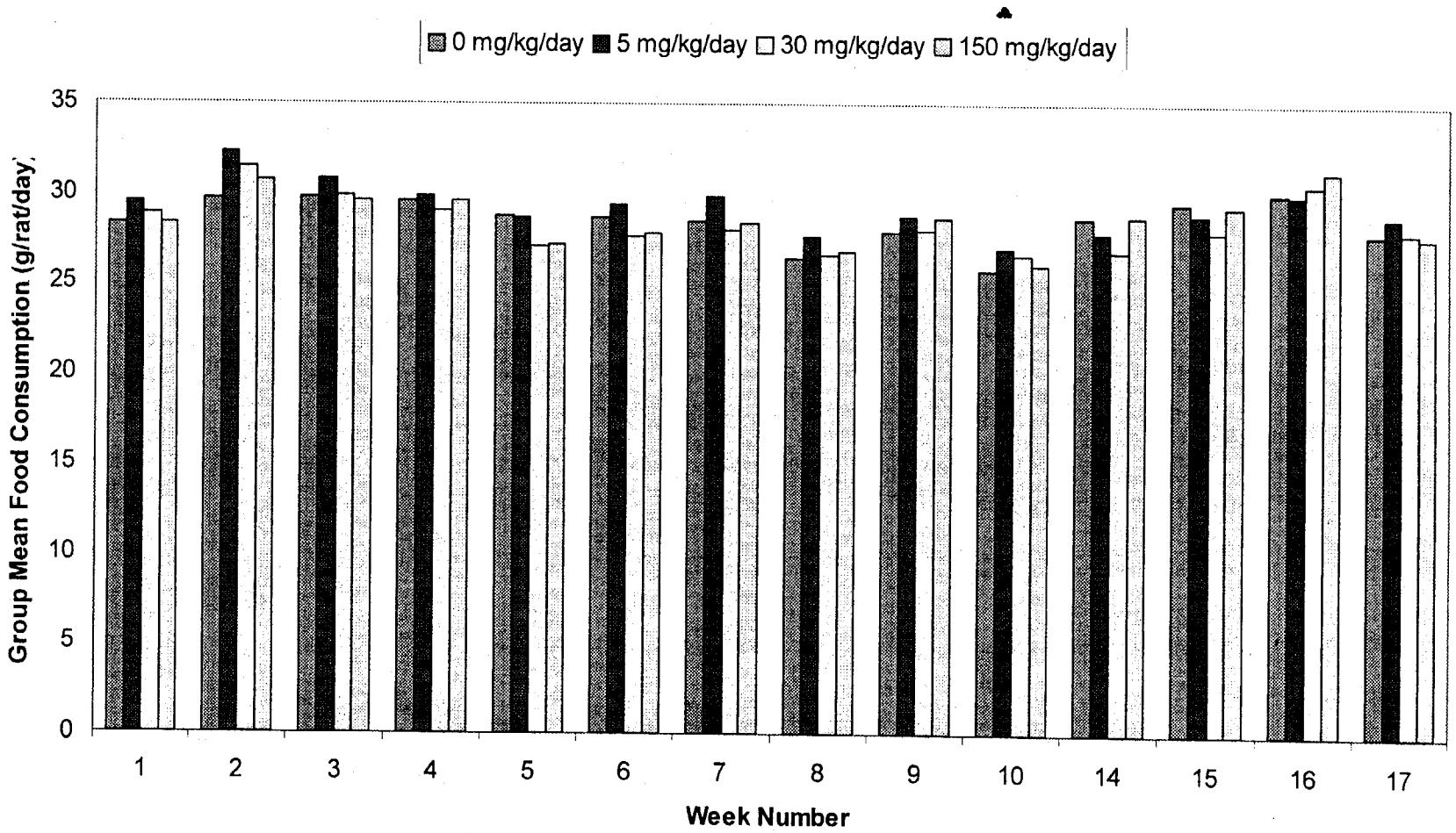


Figure 6 **Group Mean Food Consumption – Males**
F_1 Generation

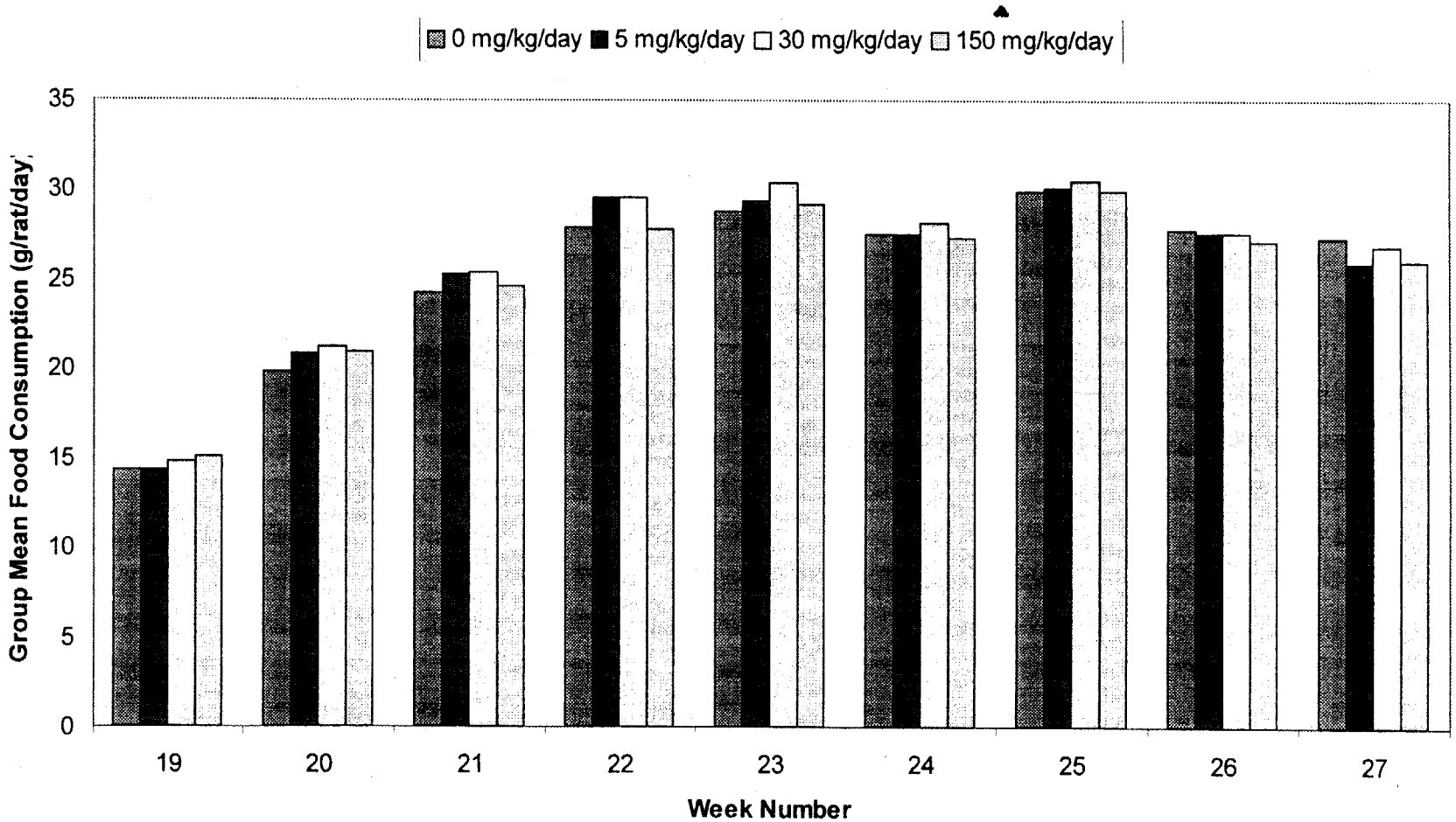


Figure 7 **Group Mean Food Consumption Before Pairing – Females**
F_0 Generation

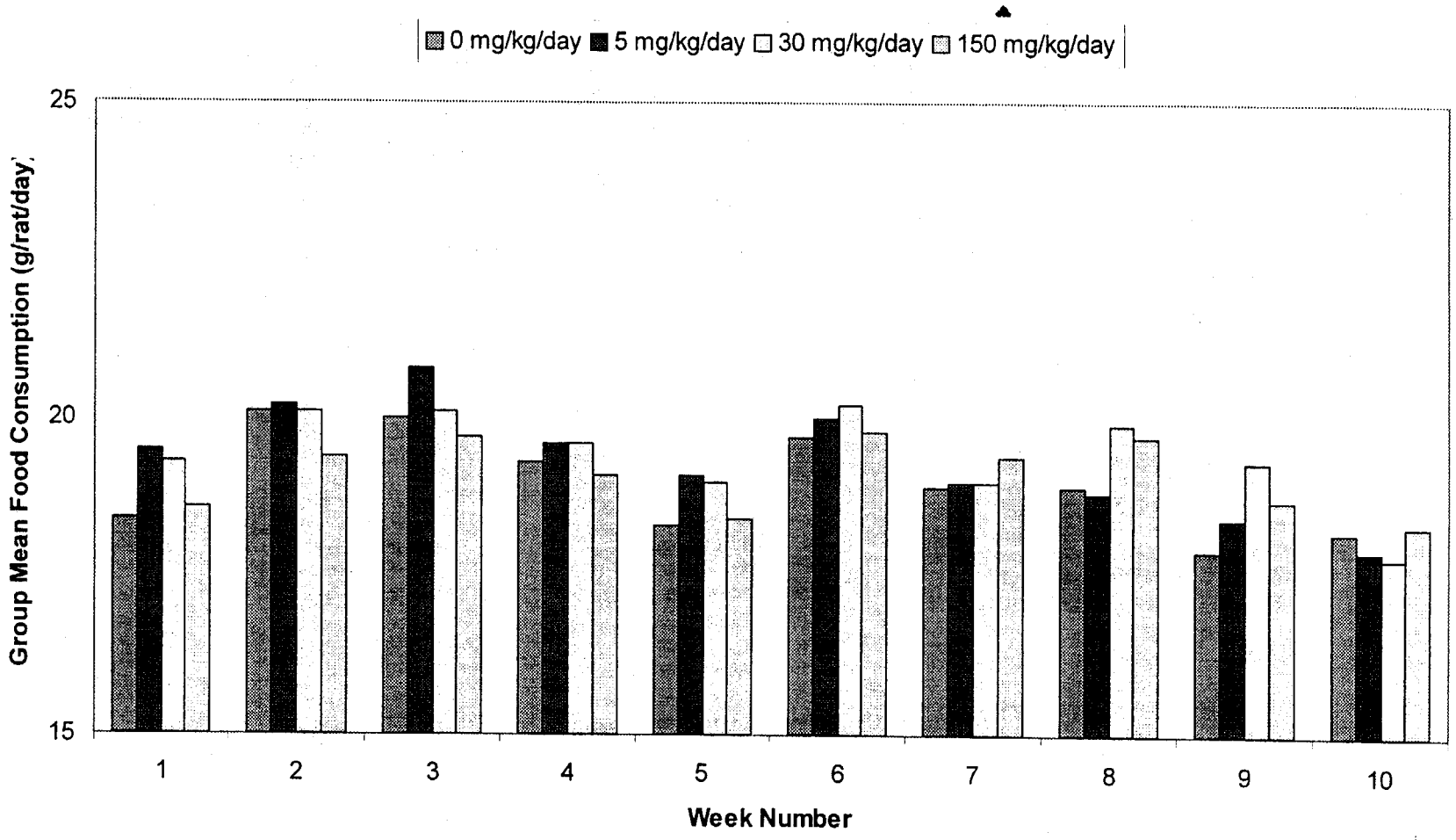


Figure 8 **Group Mean Food Consumption Before Pairing – Females**
F_1 Generation

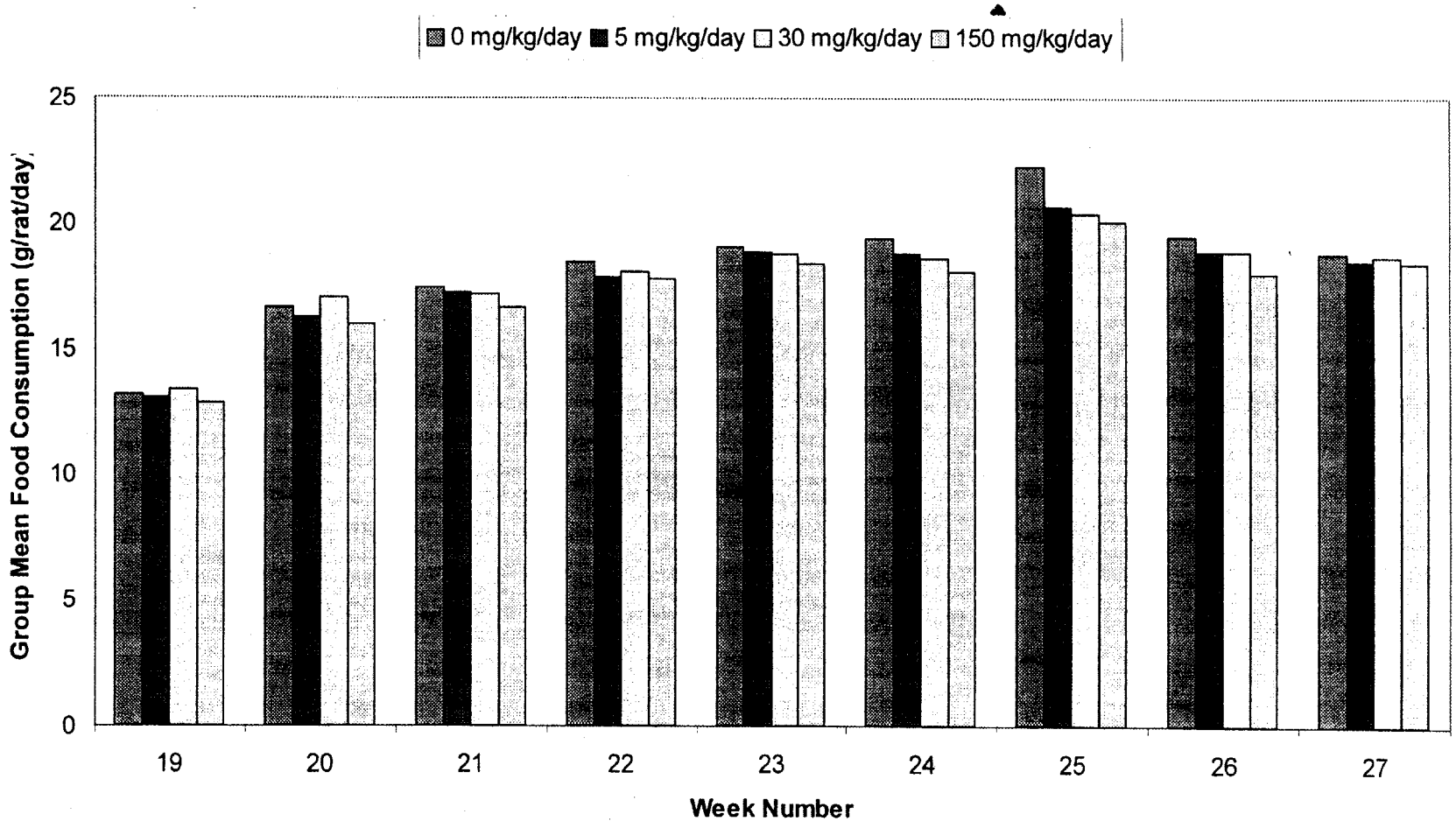


Figure 9 **Group Mean Bodyweights During Gestation – Females**
F_0 Generation

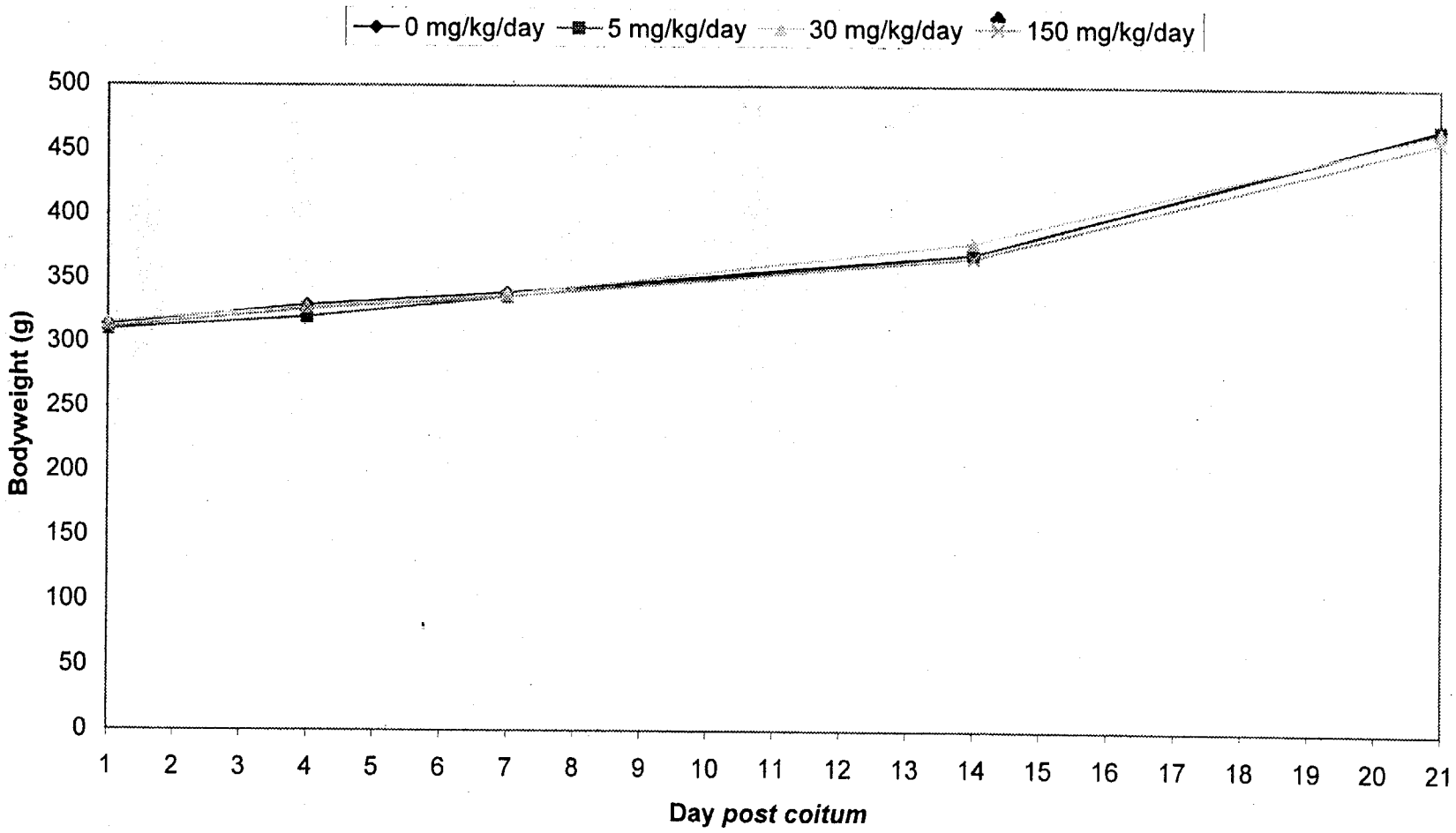


Figure 10 **Group Mean Bodyweights During Gestation – Females**
F_1 Generation

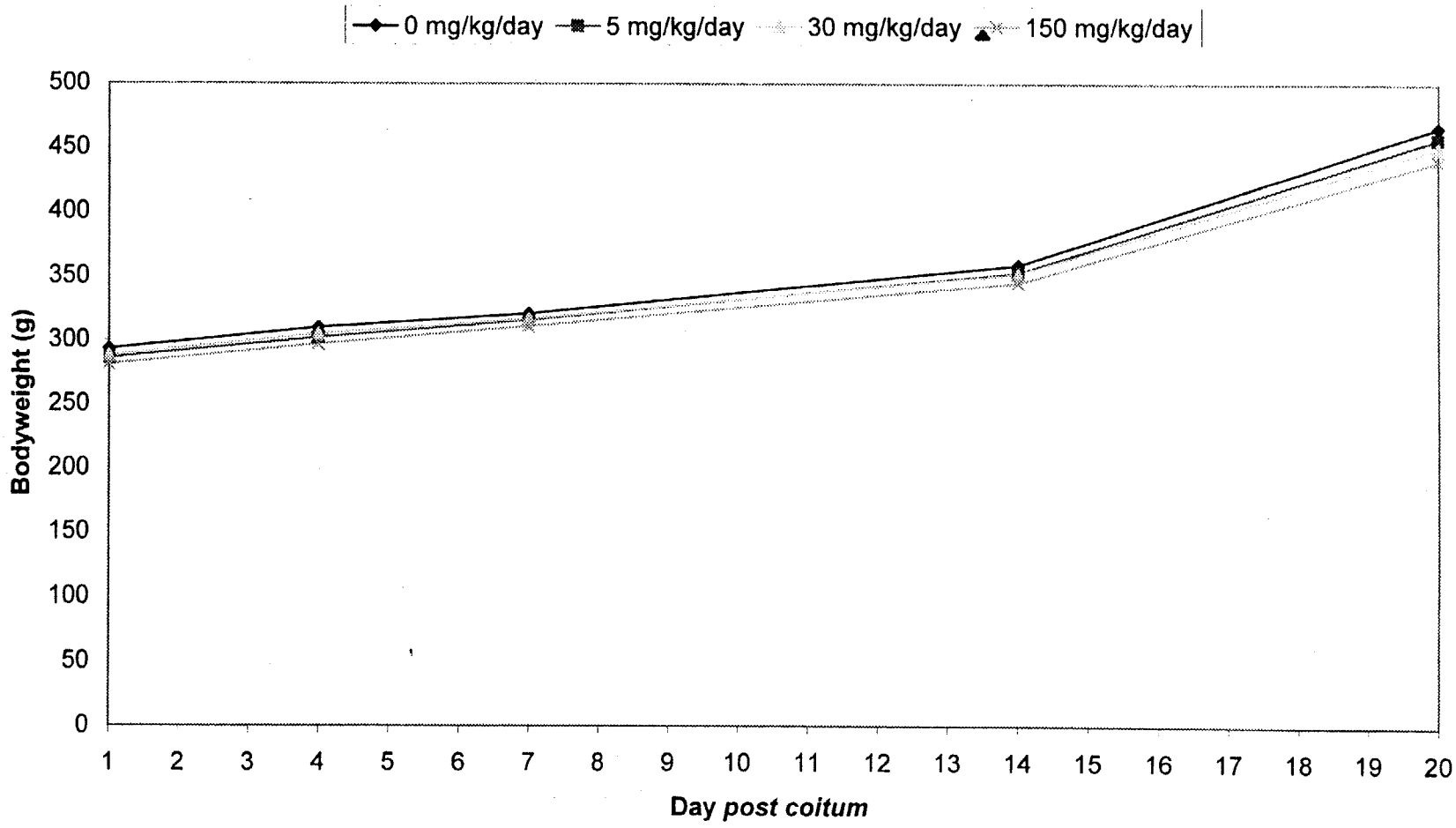


Figure 11 **Group Mean Bodyweights During Lactation – Females**
F_0 Generation

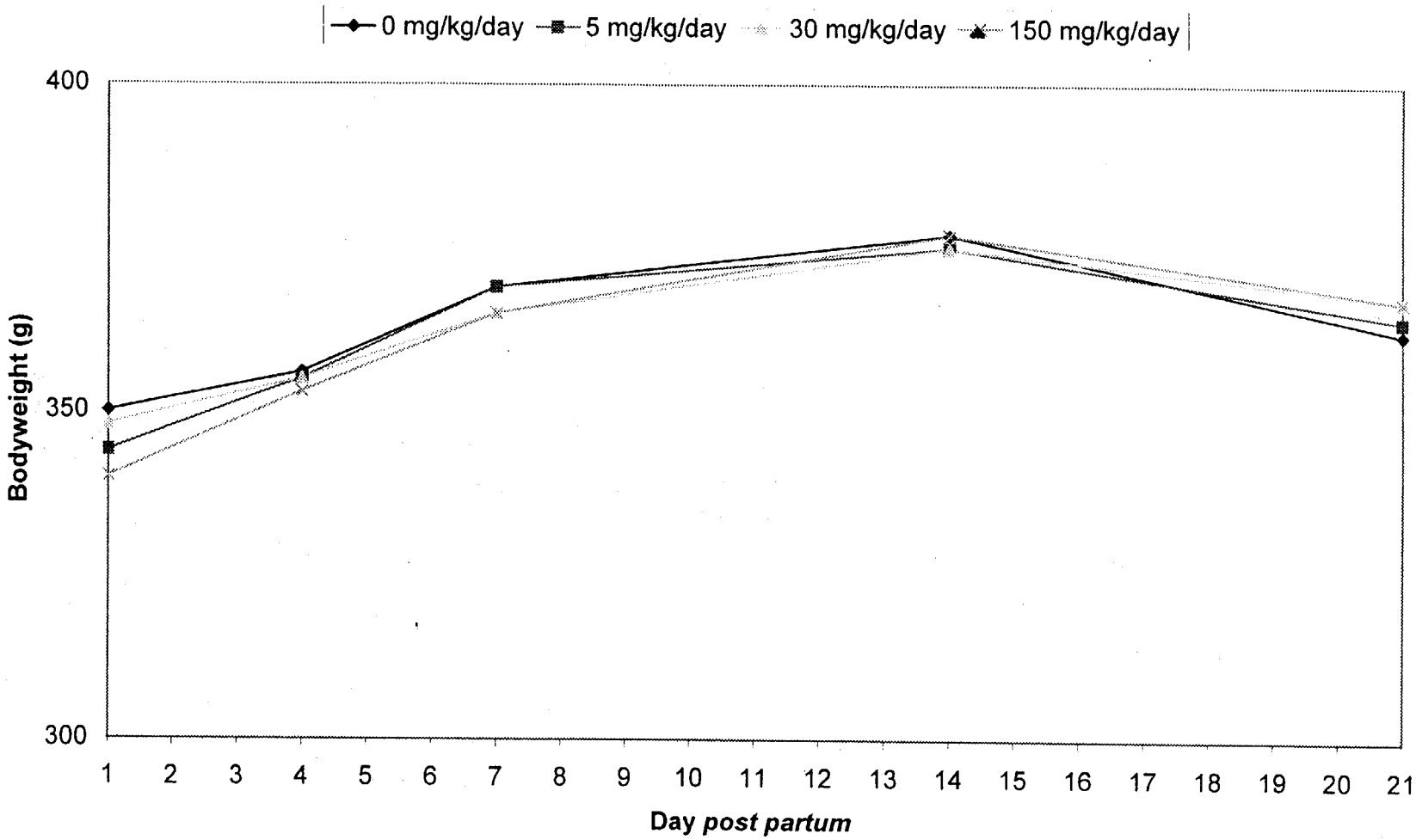


Figure 12 **Group Mean Bodyweights During Lactation – Females**
F_1 Generation

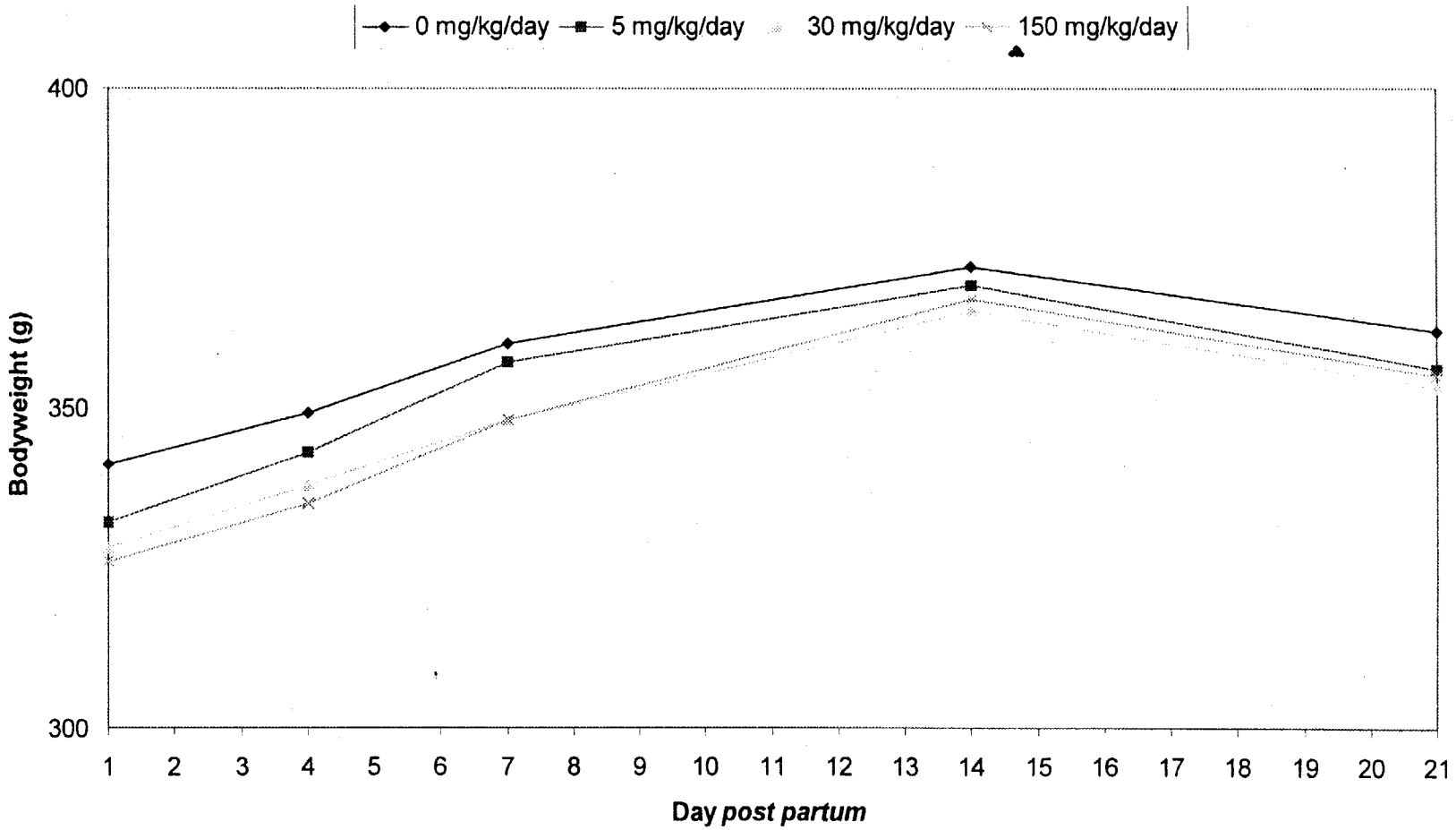


Figure 13 **Group Mean Bodyweights During Lactation – Male Offspring**
F_0 – F_1 Generation

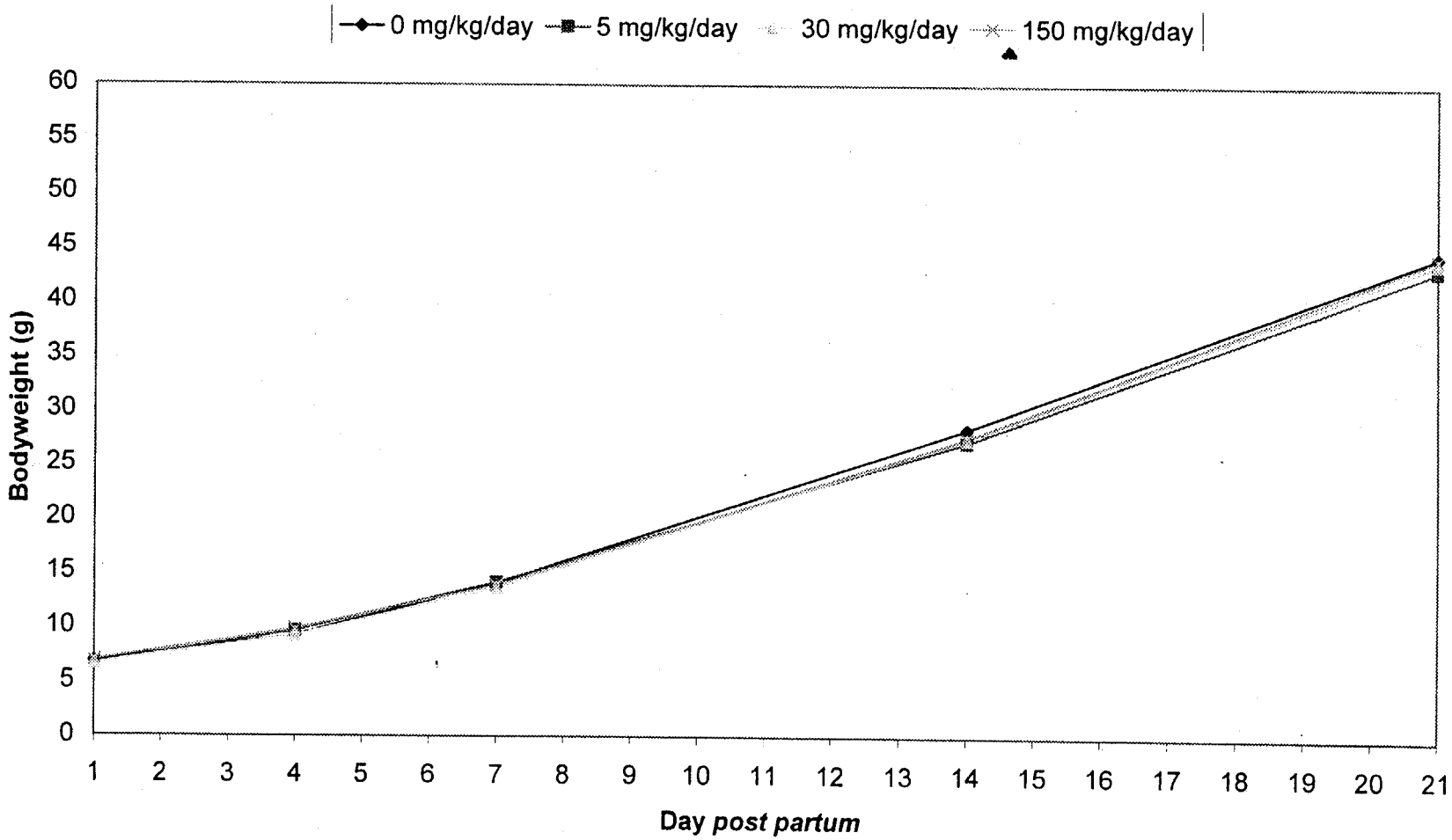


Figure 14 **Group Mean Bodyweights During Lactation – Female Offspring**
$F_0 – F_1$ Generation

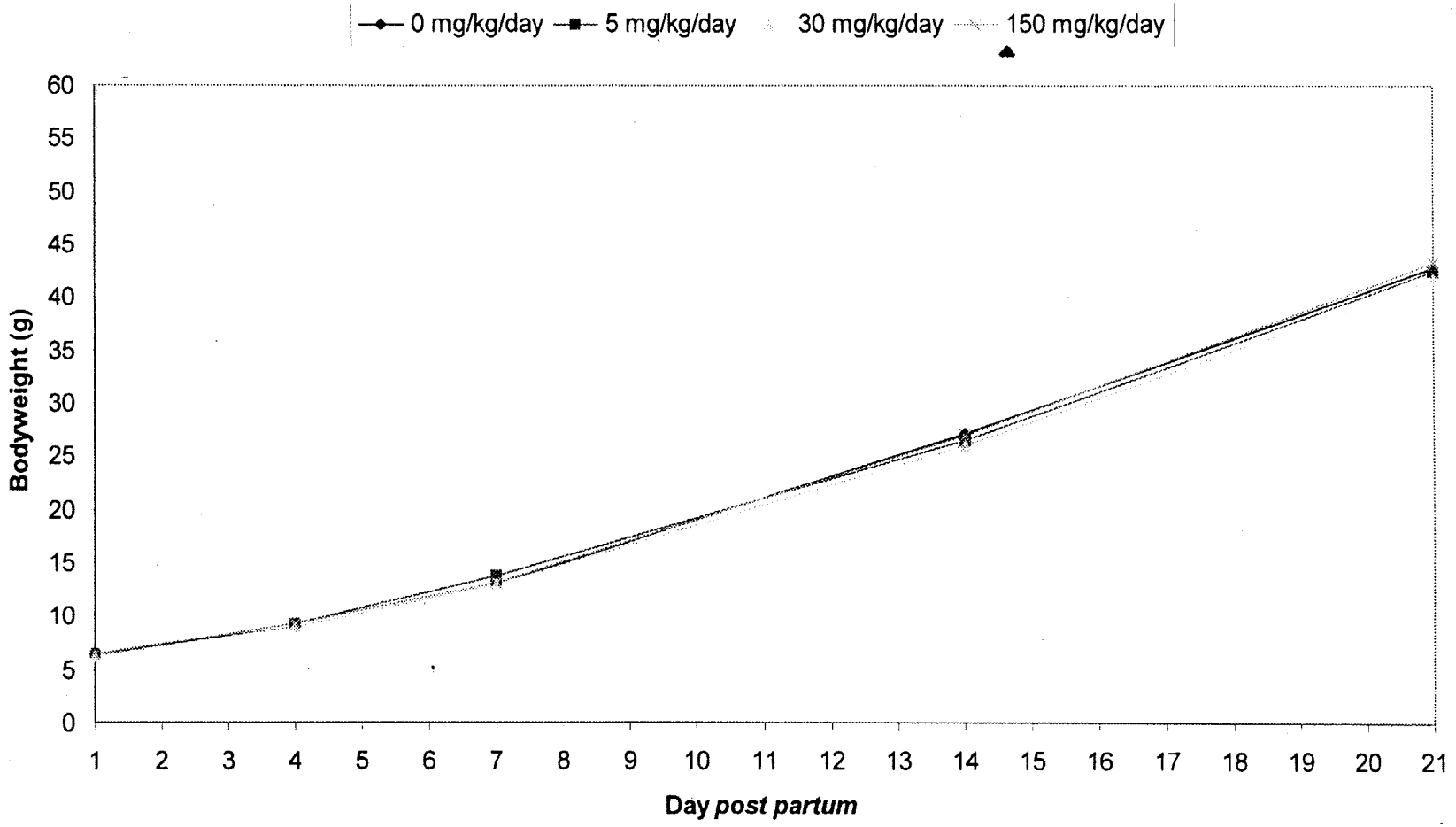


Figure 15 **Group Mean Bodyweights During Lactation – Male Offspring**
$F_1 - F_2$ Generation

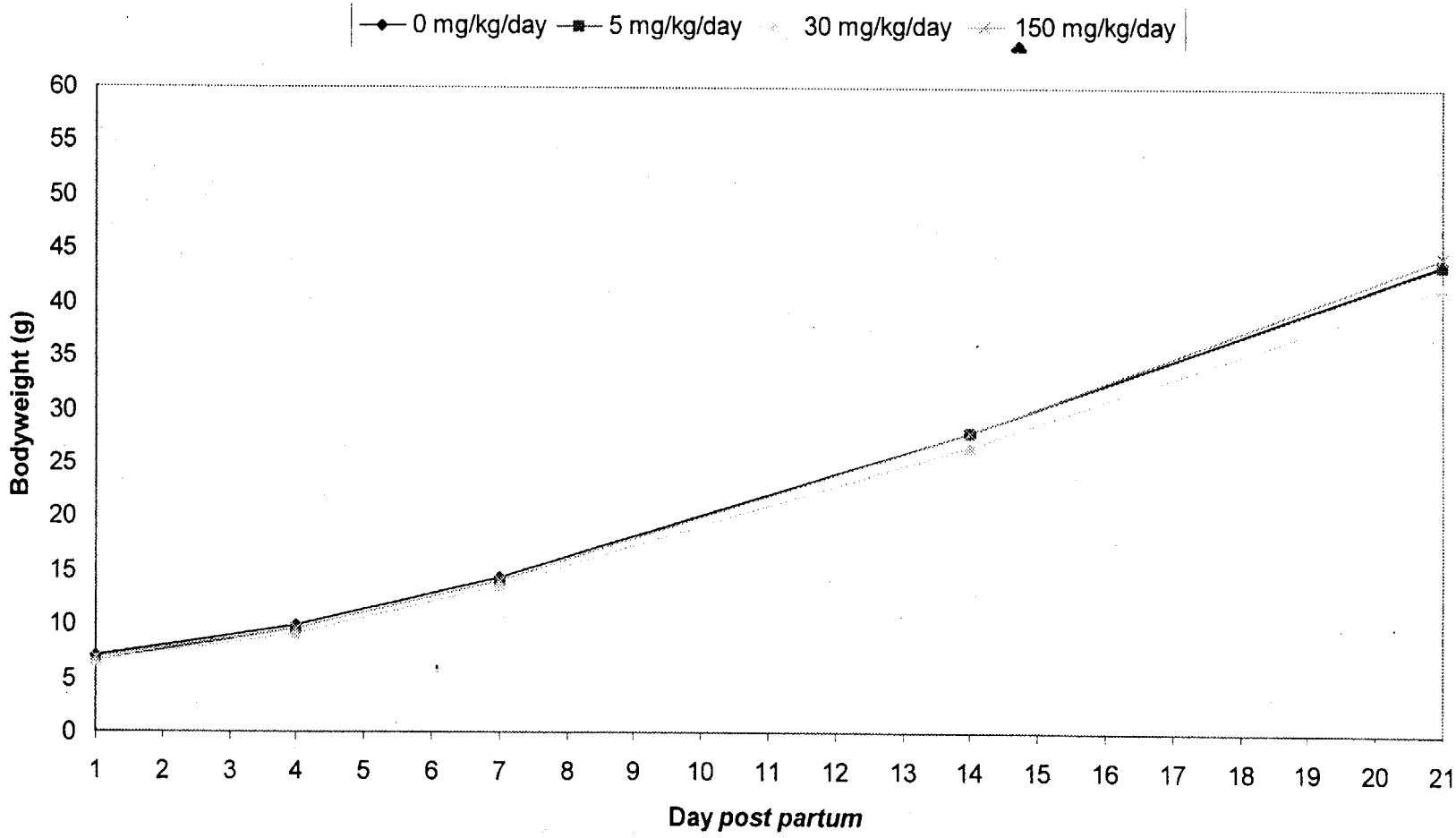
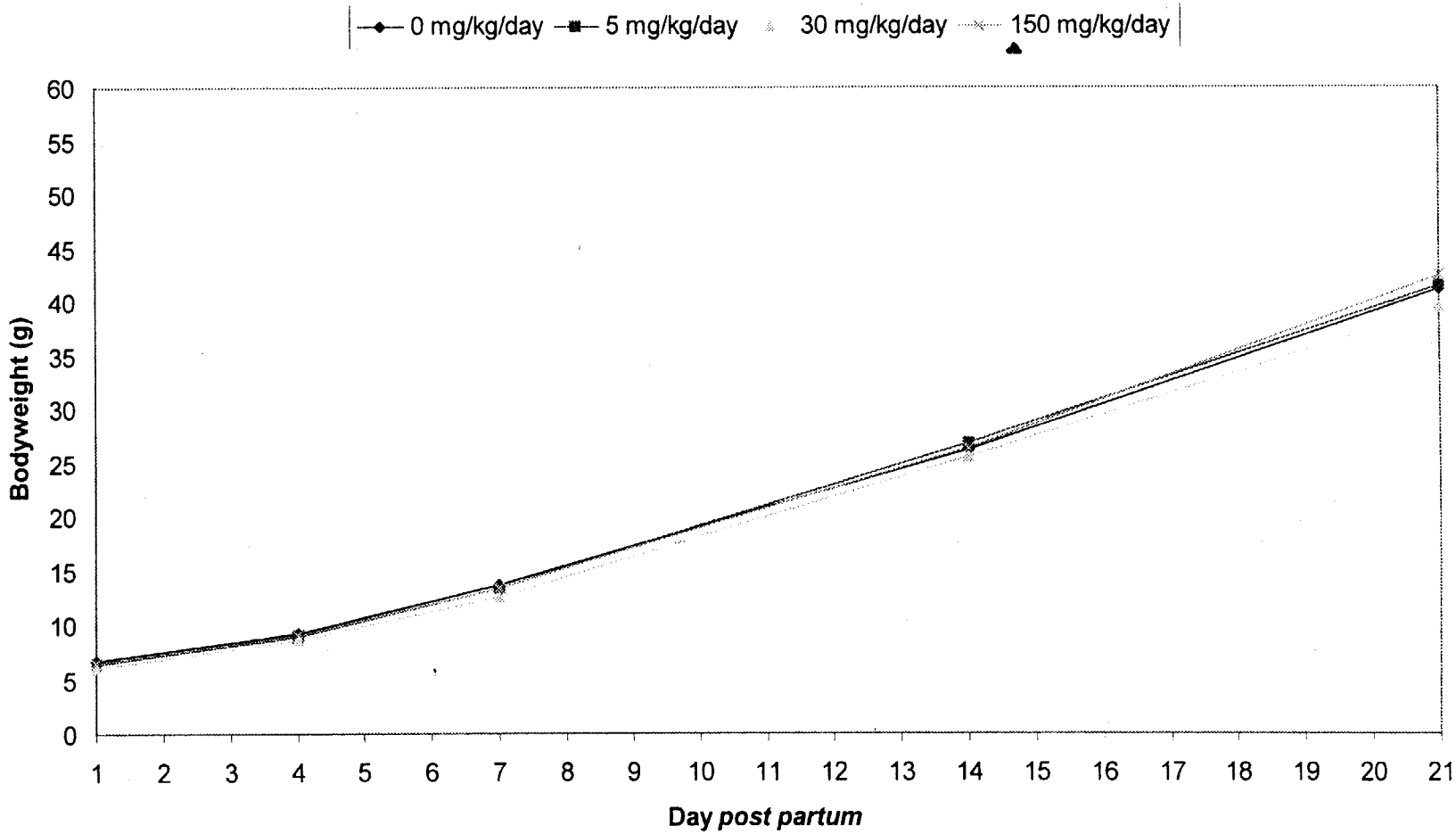


Figure 16 **Group Mean Bodyweights During Lactation – Female Offspring**
$F_1 - F_2$ Generation



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TABLES

Table 1 **Summary of Adult Performance**

(a) F_0 Generation

Category		Number of animals			
		Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Maturation phase					
Group size:	Males	28	28	28	28
	Females	28	28	28	28
Mortalities :	Males	0	0	0	1
	Females	0	0	0	0
Littering phase					
Males paired		28	28	28	27
Females paired		28	28	28	28
Females dying/killed post maturation		1	0	0	0
Males dying/killed post maturation		0	0	1	0
Females failing to conceive		1	2	2	0
Total litter loss		1	1	1	0

Table 1 (continued) **Summary of Adult Performance**

(b) F_1 Generation

Category		Number of animals			
		Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Maturation phase					
Group size:	Males	28	28	28	28
	Females	28	28	28	28
Mortalities :	Males	1	0	0	0
	Females	1	2	0	0
Littering phase					
Males paired		26	26	28	28
Females paired		27	26	28	28
Females dying/killed post maturation		0	0	0	2
Males dying/killed post maturation		0	0	0	0
Females failing to conceive		1	0	2	0
Total litter loss		0	0	0	0

Table 2 Summary Incidence of Clinical Observations – Males

(a) F_0 Generation

Clinical Observations	Number of animals with clinical observation			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Increased salivation pre-dose	0	3	1	26
Increased salivation immediately post-dose	0	10	12	28
Fur loss on head	4	0	0	1
Fur loss on neck	0	0	0	3
Generalised fur loss	0	0	0	1
Chromodacryorrhea	0	0	0	1
Pilo-erection	0	0	0	1
Decreased respiratory rate	0	0	0	1
Laboured respiration	0	0	0	1
Found dead	0	0	1	1

Table 2 (continued) **Summary Incidence of Clinical Observations – Males**

(b) F_1 Generation

Clinical Observations	Number of animals with clinical observation			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Increased salivation pre-dose	2	2	3	19
Increased salivation immediately post dose	2	6	21	28
Fur loss on abdomen	0	1	0	0
Fur loss on neck	0	0	1	0
Generalised fur loss	0	0	2	0
Hunched posture	1	0	0	1
Pilo-erection	1	0	0	1
Left ear swollen	1	0	0	0
Staining around eyes	0	1	0	2
Tip of tail – necrotic-like area	0	0	0	1
Laboured respiration	0	0	0	1
Found dead	1	0	0	0

Table 3 Summary Incidence of Clinical Observations – Females

(a) F_0 Generation

Clinical Observations	Number of animals with clinical observation			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Increased salivation pre-dose	1	0	0	16
Increased salivation immediately post-dose	2	9	13	28
Fur loss on neck	1	1	0	2
Fur loss on abdomen	0	1	1	2
Fur loss on ventrum	0	0	0	1
Generalised fur loss	2	3	2	7
General thinning of fur	0	3	0	0
Mass under left arm	1	0	0	0
Mass on right shoulder	0	0	1	0
Corneal opacity in left eye	0	0	0	1
Mass on right side of face	0	0	0	1
Hunched posture	0	0	0	1
Killed *in extremis*	1	0	0	0

Table 3 (continued) **Summary Incidence of Clinical Observations – Females**

(b) F_1 Generation

Clinical Observations	Number of animals with clinical observation			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Increased salivation pre-dose	0	0	2	20
Increased salivation immediately post-dose	1	5	26	28
Generalised fur loss	1	0	1	1
Fur loss on thorax	1	0	1	0
Fur loss on face	0	0	0	3
Staining around eyes	1	0	1	1
Staining around mouth	0	0	0	1
Staining around snout	0	0	1	1
Chromodacryorrhea	0	0	0	1
Tip of tail damaged	1	1	0	0
Mass on right shoulder	1	0	0	1
Laboured respiration	0	0	0	2
Hunched posture	1	0	0	1
Lethargy	0	0	0	1
Pilo-erection	1	0	0	1
Emaciated	0	0	0	1
Bleeding from vagina	0	0	0	1
Killed *in extremis*	0	0	0	1
Found dead	1	2	0	1
Decreased respiration	0	0	0	1

Table 4 **Group Mean Bodyweights (g) – Males**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study week								
			1	2	3	4	5	6	7	8	9
1	0	Mean	212	275	331	380	421	453	479	503	523
		SD	16.3	21.8	26.0	29.4	34.1	37.7	41.7	44.2	47.3
		N	28	28	28	28	28	28	28	28	28
2	5	Mean	213	279	339	383	422	452	478	505	526
		SD	14.0	19.2	23.7	23.8	25.9	28.7	33.3	36.9	41.5
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	211	275	334	379	418	450	475	497	519
		SD	13.8	19.7	23.3	27.8	30.3	32.6	35.4	39.1	40.9
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	211	274	333	377	416	442	468	490	510
		SD	13.3	21.7	24.6	31.1	35.7	37.4	40.8	44.1	46.0
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 4 (continued) **Group Mean Bodyweights (g) – Males**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study week ♠								
			10	11	12	13	14	15	16	17	18
1	0	Mean	544	560	560	565	576	590	600	612	618
		SD	49.6	48.9	48.8	51.4	52.6	52.8	53.1	53.4	54.2
		N	28	28	28	28	28	28	28	28	28
2	5	Mean	542	562	568	572	579	591	603	615	624
		SD	50.4	49.5	49.2	51.0	52.4	55.7	57.9	60.2	63.4
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	537	554	559	561	567	580	589	594	603
		SD	43.0	46.1	45.0	45.5	49.5	52.2	53.0	52.4	52.4
		N	28	28	28	28	28	28	28	27	27
4	150	Mean	524	538	549	556	562	576	590	594	601
		SD	47.3	50.6	50.5	52.7	55.7	57.2	59.0	60.6	60.4
		N	28	28	27	27	27	27	27	27	27

SD = Standard deviation
N = Number of animals

Table 4 (continued) **Group Mean Bodyweights (g) – Males**

(b) F_1 Generation

Group	Dose level mg/kg/day		Study week								
			17	18	19	20	21	22	23	24	25
1	0	Mean	49	71	115	175	232	294	345	388	426
		SD	7.8	11.4	16.9	17.8	21.0	27.4	30.6	35.1	38.3
		N	28	28	28	27	27	27	27	27	27
2	5	Mean	47	67	111	169	230	289	337	376	412
		SD	6.0	10.3	15.9	22.7	26.2	29.6	32.1	37.0	40.7
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	47	70	116	177	238	299	352	393	428
		SD	6.7	10.5	13.8	20.0	25.3	29.3	35.6	40.9	45.2
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	49	71	118	178	237	296	345	383	416
		SD	9.0	11.1	14.4	20.1	24.6	30.7	38.1	44.6	49.8
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 4 (continued) **Group Mean Bodyweights (g) – Males**

(b) F_1 Generation

Group	Dose level mg/kg/day		Study week								
			26	27	28	29	30	31	32	33	34
1	0	Mean	459	478	498	517	539	567	577	589	600
		SD	40.8	43.9	46.4	47.5	53.2	58.2	62.4	62.0	62.9
		N	27	27	27	27	27	27	27	27	27
2	5	Mean	440	459	474	496	517	543	554	565	574
		SD	43.6	47.9	48.6	50.6	53.1	55.0	57.6	57.6	60.1
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	458	476	490	511	530	554	562	577	590
		SD	50.2	55.5	55.9	57.1	58.9	61.2	60.9	64.4	66.4
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	444	463	471	496	511	532	543	555	570
		SD	56.7	59.1	58.1	62.0	64.7	66.8	68.1	70.4	77.8
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 5 **Group Mean Bodyweight Gains (g) – Males**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study Week								
			1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
1	0	Mean	63.8	55.9	48.7	40.9	32.0	25.8	24.1	20.6	17.7
		SD	6.6	6.3	9.1	11.3	7.2	5.5	5.6	6.3	15.0
		N	28	28	28	28	28	28	28	28	28
2	5	Mean	66.4	59.5	44.6	38.3	30.1	26.7	26.3	21.6	18.6
		SD	7.3	12.7	13.2	6.0	7.0	5.9	6.5	6.3	5.2
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	64.2	58.7	45.1	39.0	32.3	24.5	22.1	21.9	18.4
		SD	9.3	7.4	6.8	5.8	5.1	4.8	7.7	7.1	5.8
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	63.5	58.5	44.8	38.7	26.0*	25.7	22.3	19.8	14.1
		SD	13.6	12.0	9.1	7.6	10.1	12.3	10.0	5.8	5.3
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals
* = significantly different from control value ($p < 0.05$)

Table 5 (continued) **Group Mean Bodyweight Gains (g) – Males**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study Week ♠								
			10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative Gain
1	0	Mean	19.0	-0.1	5.5	10.7	13.9	9.5	12.0	6.5	406.5
		SD	15.5	7.2	8.0	6.2	6.3	4.3	6.5	4.5	44.9
		N	28	28	28	28	28	28	28	28	28
2	5	Mean	16.6	6.5	3.7	7.0	12.1	12.5	11.9	9.0	411.5
		SD	7.5	7.0	6.3	5.4	7.1	5.2	5.1	5.3	59.2
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	16.5	5.0	2.4	6.1	12.9	9.1	7.9*	9.2	392.6
		SD	5.6	5.4	6.9	7.0	5.7	4.9	4.3	4.3	45.3
		N	28	28	28	28	28	28	27	27	27
4	150	Mean	13.9	7.9	7.0	6.4	14.0	14.2**	3.6***	6.9	389.6
		SD	10.2	7.8	5.5	6.1	5.2	6.3	5.7	5.8	55.0
		N	28	27	27	27	27	27	27	27	27

SD = Standard deviation
N = Number of animals
* = significantly different from control value ($p < 0.05$)
** = significantly different from control value ($p < 0.01$)
*** = significantly different from control value ($p < 0.001$)

Table 5 (continued) **Group Mean Bodyweight Gains (g) – Males**

(b) F_1 Generation

Group	Dose level mg/kg/day		Study Week								
			17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
1	0	Mean	21.8	43.8	58.1	57.4	61.4	50.7	43.3	38.4	32.9
		SD	8.6	6.2	9.9	12.8	9.8	8.6	7.9	6.4	7.3
		N	28	28	27	27	27	27	27	27	27
2	5	Mean	19.8	44.3	58.3	61.1	58.9	47.6	39.5	36.0	27.2
		SD	6.7	8.9	13.3	7.4	7.1	9.4	8.9	8.3	8.2
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	22.4	46.4	61.8	60.3	61.1	53.1	40.9	35.5	29.9
		SD	6.8	5.9	7.7	7.2	6.5	10.0	8.0	7.3	8.0
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	21.7	47.1	59.7	59.7	59.3	48.5	37.7	33.0	28.1
		SD	7.2	4.2	11.8	7.0	8.3	10.9	11.2	8.0	10.8
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 5 (continued) **Group Mean Bodyweight Gains (g) – Males**

(b) F_1 Generation

Group	Dose level mg/kg/day		Study Week ♠								
			26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative Gain
1	0	Mean	18.5	20.0	19.5	22.1	28.2	10.2	11.8	10.9	550.3
		SD	17.7	17.4	8.7	13.6	7.6	14.2	16.0	6.8	61.7
		N	27	27	27	27	27	27	27	27	27
2	5	Mean	19.4	15.0	21.6	21.0	25.8	11.1	11.7	8.9	527.4
		SD	7.0	11.5	9.5	8.7	10.3	10.2	10.8	7.9	58.9
		N	28	28	28	28	28	28	28	28	28
3	30	Mean	18.0	14.0	20.9	19.0	23.9	7.5	15.8	13.0	543.6
		SD	8.6	8.7	8.2	6.7	6.4	13.5	16.4	5.7	63.5
		N	28	28	28	28	28	28	28	28	28
4	150	Mean	19.6	7.6	25.0	15.1	21.0	10.6	11.8	15.5	521.0
		SD	5.8	8.0	7.6	8.2	6.6	4.8	6.3	10.6	74.3
		N	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 6 **Group Mean Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study week										
			1	2	3	4	5	6	7	8	9	10	11
1	0	Mean	168	194	218	238	252	266	276	285	292	299	305
		SD	13.8	17.1	20.7	23.6	25.9	25.9	27.3	27.8	28.8	29.2	30.8
		N	28	28	28	28	28	28	28	28	28	28	28
2	5	Mean	170	196	221	240	254	266	275	284	290	296	301
		SD	15.4	18.2	21.6	23.8	26.3	27.0	28.2	29.9	29.3	29.4	31.4
		N	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	168	197	221	241	252	269	278	287	295	301	306
		SD	11.2	13.5	17.3	18.8	20.1	22.8	26.5	26.1	24.7	26.4	29.3
		N	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	166	192	216	236	249	262	273	282	287	292	297
		SD	11.9	14.9	17.9	19.6	20.8	19.9	20.4	22.8	23.9	23.8	24.9
		N	28	28	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 6 (continued) **Group Mean Bodyweights (g) Before Pairing – Females**

(b) F_1 Generation

Group	Dose level mg/kg/day		Study Week ♣											
			17	18	19	20	21	22	23	24	25	26	27	28
1	0	Mean	46	66	104	141	174	199	224	242	258	264	275	288
		SD	6.7	9.9	13.1	14.6	16.0	16.0	17.7	19.4	21.1	20.8	22.6	24.4
		N	28	28	28	28	28	28	28	28	28	27	27	27
2	5	Mean	44	63	100	138	168	192	218	234	250	258	267	280
		SD	6.3	9.9	14.1	14.3	14.2	18.2	17.1	18.6	19.5	21.2	22.6	23.4
		N	28	28	28	28	28	27	27	27	27	27	26	26
3	30	Mean	44	65	103	142	173	194	221	235	253	263	269	280
		SD	5.9	7.8	10.8	12.7	14.9	17.5	22.6	21.8	25.3	26.4	25.7	27.8
		N	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	45	66	103	139	169	193	218	234	248	260	267	276
		SD	7.7	9.4	11.1	12.9	15.0	19.4	20.9	24.1	26.2	28.3	26.7	27.4
		N	28	28	28	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 7 **Group Mean Bodyweight Gains (g) Before Pairing – Females**

(a) F_0 Generation

Group	Dose level mg/kg/day		Study Week										
			1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative Gain
1	0	Mean	26.4	24.5	19.4	13.8	14.0	10.7	8.8	6.6	7.6	5.2	137.0
		SD	10.6	5.3	5.5	4.7	6.6	5.4	6.4	5.8	7.3	7.9	25.4
		N	28	28	28	28	28	28	28	28	28	28	28
2	5	Mean	25.8	24.8	19.5	13.7	12.5	8.2	9.4	5.7	6.2	4.8	130.5
		SD	5.0	6.4	4.0	5.0	4.9	5.7	5.7	4.7	6.3	5.8	18.8
		N	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	28.2	24.2	20.2	11.1	16.6	9.2	9.0	8.0	6.1	5.1	137.8
		SD	4.6	5.4	5.2	6.1	6.7	7.3	6.4	4.7	4.9	6.1	22.1
		N	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	26.1	24.7	19.9	12.8	13.3	11.0	9.0	5.0	4.6	5.4	131.8
		SD	4.8	5.7	6.9	6.9	4.4	9.9	11.1	4.3	4.7	5.1	16.4
		N	28	28	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 7 (continued) **Group Mean Bodyweight Gains (g) Before Pairing – Females**
(b) F_1 Generation

Group	Dose level mg/kg/day		Study Week ♠											
			17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative Gain
1	0	Mean	20.6	37.8	37.1	32.9	24.5	25.5	17.3	16.2	6.4	11.7	12.4	242.0
		SD	7.8	5.1	5.4	5.0	6.8	6.7	3.8	4.2	7.6	7.5	4.5	22.7
		N	28	28	28	28	28	28	28	28	27	27	27	27
2	5	Mean	18.6	36.8	38.1	30.7	23.0	26.3	15.8	16.2	8.3	8.2	13.0	235.7
		SD	5.9	5.8	4.6	5.3	10.0	7.5	6.3	5.1	5.9	5.9	4.2	20.8
		N	28	28	28	28	27	27	27	27	27	26	26	26
3	30	Mean	21.6	37.6	39.4	30.8	21.0	27.7	13.4	18.5	10.0	5.8**	10.6	236.2
		SD	4.3	4.5	5.0	5.8	6.8	8.8	8.4	6.9	4.7	5.9	5.8	26.1
		N	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	20.2	36.9	36.2	30.2	24.3	24.4	15.9	14.6	12.1*	6.9*	8.6*	230.4
		SD	6.1	4.7	5.9	6.3	5.7	4.1	5.1	5.6	6.9	6.6	5.5	26.4
		N	28	28	28	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals
** = Significantly different from control value ($p < 0.01$)
* = Significantly different from control value ($p < 0.05$)

Table 8 **Group Mean Food Consumption (g/rat/day) – Males**

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Study Week						
			1	2	3	4	5	6	7
1	0	Mean	28.3	29.7	29.8	29.6	28.8	28.7	28.5
		SD	1.1	1.2	1.5	1.5	1.6	1.6	1.5
		N	7	7	7	7	7	7	7
2	5	Mean	29.5	32.3	30.8	29.9	28.7	29.4	29.9
		SD	0.9	1.8	1.8	2.0	2.1	1.8	2.1
		N	7	7	7	7	7	7	7
3	30	Mean	28.9	31.5	29.9	29.0	27.1	27.6	28.0
		SD	1.0	1.9	1.9	1.9	1.8	1.7	1.5
		N	7	7	7	7	7	7	7
4	150	Mean	28.3	30.7	29.6	29.6	27.2	27.8	28.4
		SD	1.1	1.7	1.4	1.0	0.9	1.4	1.4
		N	7	7	7	7	7	7	7

SD = Standard deviation
N = Number of cages

Table 8 (continued) **Group Mean Food Consumption (g/rat/day) – Males**

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Study Week ♠						
			8	9	10	14	15	16	17
1	0	Mean	26.4	27.9	25.8	28.7	29.5	30.1	27.8
		SD	2.0	1.7	1.8	1.6	1.6	1.1	1.2
		N	7	7	7	7	7	7	7
2	5	Mean	27.6	28.8	27.0	27.8	28.9	30.0	28.8
		SD	2.1	2.5	2.5	1.8	1.6	1.3	1.4
		N	7	7	7	7	7	7	7
3	30	Mean	26.6	28.0	26.6	26.8	27.9	30.5	27.9
		SD	1.6	1.4	1.5	1.9	2.0	2.0	1.5
		N	7	7	7	7	7	7	7
4	150	Mean	26.8	28.7	26.1	28.8	29.3	31.3	27.6
		SD	1.7	1.3	1.6	1.7	1.5	1.4	1.5
		N	7	7	7	7	7	7	7

SD = Standard deviation
N = Number of cages

Table 8 (continued) **Group Mean Food Consumption (g/rat/day) – Males**
(b) F_1 Generation

Group	Dose level (mg/kg/day)		Study Week ♠								
			19	20	21	22	23	24	25	26	27
1	0	Mean	14.3	19.8	24.2	27.9	28.8	27.5	29.9	27.8	27.3
		SD	1.1	0.8	1.5	2.1	2.3	2.1	2.0	2.2	2.0
		N	7	7	7	7	7	7	7	7	7
2	5	Mean	14.3	20.9	25.3	29.6	29.4	27.5	30.1	27.6	25.9
		SD	1.4	1.9	1.9	2.0	2.1	1.8	1.5	1.7	3.0
		N	7	7	7	7	7	7	7	7	7
3	30	Mean	14.8	21.2	25.4	29.6	30.4	28.2	30.5	27.6	26.9
		SD	1.0	0.9	0.9	1.8	1.5	0.8	0.9	0.8	1.0
		N	7	7	7	7	7	7	7	7	7
4	150	Mean	15.1	21.0	24.6	27.8	29.2	27.3	29.9	27.1	26.0
		SD	0.6	1.8	1.7	2.0	2.2	2.4	2.1	2.5	2.0
		N	7	7	7	7	7	7	7	7	7

SD = Standard deviation
N = Number of cages

Table 9 Group Mean Food Consumption (g/rat/day) Before Pairing – Females

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Study Week									
			1	2	3	4	5	6	7	8	9	10
1	0	Mean	18.4	20.1	20.0	19.3	18.3	19.7	18.9	18.9	17.9	18.2
		SD	0.7	1.4	1.3	1.5	1.4	1.5	1.9	2.2	1.5	1.2
		N	7	7	7	7	7	7	7	7	7	7
2	5	Mean	19.5*	20.2	20.8	19.6	19.1	20.0	19.0	18.8	18.4	17.9
		SD	0.9	0.9	1.2	0.6	0.8	1.0	1.1	0.9	0.7	0.8
		N	7	7	7	7	7	7	7	7	7	7
3	30	Mean	19.3	20.1	20.1	19.6	19.0	20.2	19.0	19.9	19.3	17.8
		SD	0.5	0.8	1.2	1.1	1.1	1.4	0.9	1.4	1.9	1.9
		N	7	7	7	7	7	7	7	7	7	7
4	150	Mean	18.6	19.4	19.7	19.1	18.4	19.8	19.4	19.7	18.7	18.3
		SD	0.6	1.0	1.6	1.6	1.5	1.2	1.6	2.4	1.7	1.7
		N	7	7	7	7	7	7	7	7	7	7

SD = Standard deviation
N = Number of cages
* = significantly different from control values ($p<0.05$)

Table 9 (continued) **Group Mean Food Consumption (g/rat/day) – Females**
(b) F_1 Generation

Group	Dose level (mg/kg/day)		Study Week								
			19	20	21	22	23	24	25	26	27
1	0	Mean	13.2	16.7	17.5	18.5	19.1	19.4	22.3	19.5	18.8
		SD	1.0	1.1	1.5	1.5	1.5	1.6	3.1	1.6	1.4
		N	7	7	7	7	7	7	7	7	7
2	5	Mean	13.1	16.3	17.3	17.9	18.9	18.8	20.7	18.9	18.5
		SD	1.2	1.2	1.0	1.1	1.0	1.0	1.3	1.4	1.6
		N	7	7	7	7	7	7	7	7	7
3	30	Mean	13.4	17.1	17.2	18.1	18.8	18.6	20.4	18.9	18.7
		SD	0.5	0.7	0.8	0.7	0.7	0.8	0.7	0.9	1.0
		N	7	7	7	7	7	7	7	7	7
4	150	Mean	12.9	16.0	16.7	17.8	18.4	18.1	20.1	18.0	18.4
		SD	0.6	0.8	0.8	0.9	1.0	1.2	1.4	1.1	1.0
		N	7	7	7	7	7	7	7	7	7

SD = Standard deviation
N = Number of cages

Table 10 Group Mean Food Conversion Ratio – Males*

(a) F_0 Generation

Group	Dose level (mg/kg/day)	Study week									
		1	2	3	4	5	6	7	8	9	10
1	0	0.32	0.27	0.23	0.20	0.16	0.13	0.12	0.11	0.09	0.11
2	5	0.32	0.26	0.21	0.18	0.15	0.13	0.13	0.11	0.09	0.09
3	30	0.32	0.27	0.22	0.19	0.17	0.13	0.11	0.12	0.09	0.09
4	150	0.31	0.27	0.22	0.19	0.14	0.13	0.11	0.11	0.07	0.08

* = The method for calculation of food conversion ratio is presented in section 4.1 (page 26) of this report

Table 10 (continued) **Group Mean Food Conversion Ratio - Males***

(b) F_1 Generation

Group	Dose level (mg/kg/day)	Study week								
		19	20	21	22	23	24	25	26	27
1	0	0.58	0.41	0.36	0.26	0.21	0.20	0.16	0.10	0.10
2	5	0.58	0.42	0.33	0.23	0.19	0.19	0.13	0.10	0.08
3	30	0.60	0.41	0.34	0.26	0.19	0.18	0.14	0.09	0.07
4	150	0.56	0.41	0.34	0.25	0.18	0.17	0.13	0.10	0.04

* = The method for calculation of food conversion ratio is presented in section 4.1 (page 26) of this report

Table 11 **Group Mean Food Conversion Ratio – Females Before Pairing***

(a) F_0 Generation

Group	Dose level (mg/kg/day)	Study week									
		1	2	3	4	5	6	7	8	9	10
1	0	0.20	0.17	0.14	0.10	0.11	0.08	0.07	0.05	0.06	0.04
2	5	0.19	0.18	0.13	0.10	0.09	0.06	0.07	0.04	0.05	0.04
3	30	0.21	0.17	0.14	0.08	0.12	0.07	0.07	0.06	0.05	0.04
4	150	0.20	0.18	0.14	0.010	0.01	0.08	0.07	0.04	0.04	0.04

* = The method for calculation of food conversion ratio is presented in section 4.1 (page 26) of this report

Table 11 (continued) Group Mean Food Conversion Ratio – Females Before Pairing

(b) F_1 Generation

Group	Dose level (mg/kg/day)	Study week ♠								
		19	20	21	22	23	24	25	26	27
1	0	0.40	0.28	0.20	0.20	0.13	0.12	0.04	0.09	0.09
2	5	0.42	0.27	0.19	0.21	0.12	0.12	0.06	0.06	0.10
3	30	0.42	0.26	0.17	0.22	0.10	0.14	0.07	0.04	0.08
4	150	0.40	0.27	0.21	0.20	0.12	0.12	0.09	0.05	0.07

Table 12 **Group Summary of Oestrous Cycles**

(a) F_0 Generation

Group	Dose Level (mg/kg/day)	Number of Females	Number of Females with:		
			Regular 4 or 5	Extended Oestrus	Extended Di-oestrus
1	0	28	27	0	1
2	5	28	27	1	0
3	30	28	28	0	0
4	150	28	28	0	0

Table 12 (continued) **Group Summary of Oestrous Cycles**

(b) F_1 Generation

Group	Dose Level (mg/kg/day)	Number of Females	Number of Females with:		
			Regular 4 or 5	Extended Oestrus	Extended Di-oestrus
1	0	27	26	0	1
2	5	26	26	0	0
3	30	28	28	0	0
4	150	28	28	0	0

Table 13 **Group Summary of Mating Performance and Fertility**

(a) F_0 Generation

Group	Dose level (mg/kg/day)	Number of males paired	Number of females paired	Number of females mated	Number of females achieving pregnancy	Mating index (%)	Pregnancy index (%)
1	0	28	28	28	27	100.0	96.4
2	5	28	28	28	26	100.0	92.9
3	30	28	28	28	26	100.0	92.9
4	150	27	28	28	28	100.0	100.0

Table 13 (continued) **Group Summary of Mating Performance and Fertility**

(b) F_1 Generation

Group	Dose level (mg/kg/day)	Number of males paired	Number of females paired	Number of females mated	Number of females achieving pregnancy	Mating index (%)	Pregnancy index (%)
1	0	26	27	27	26	100.0	96.3
2	5	26	26	26	26	100.0	100.0
3	30	28	28	28	26	100.0	92.9
4	150	28	28	28	26	100.0	92.9

Table 14 Group Summary of Pre-coital Intervals

(a) F_0 Generation

Group	Dose level (mg/kg/day)	Number of females paired	Pre-coital interval (days)							
			1	2	3	4	9	13	14	16
1	0	28	10	6	3	8	0	0	0	1
2	5	28	4	7	6	9	0	1	1	0
3	30	28	8	7	10	3	0	0	0	0
4	150	28	9	6	6	6	1	0	0	0

Table 14 (continued) **Group Summary of Pre-coital Intervals**

(b) F_1 Generation

Group	Dose level (mg/kg/day)	Number of females paired	Pre-coital interval (days)								
			1	2	3	4	5	7	12	13	14
1	0	27	3	7	11	5	0	0	1	0	0
2	5	26	3	9	6	8	0	0	0	0	0
3	30	28	9	7	4	6	1	0	0	0	1
4	150	28	6	3	8	9	0	1	0	1	0

Table 15 Group Summary of Gestation Indices

(a) F_0 Generation

Group	Dose level (mg/kg/day)	Number of females paired	Gestation length (days)					Number of females pregnant	Number of females with live born offspring	Parturition index (%)
			22	22 ½	23	23 ½	24			
1	0	28	16	2	8	0	0	27	26	96.3
2	5	28	8	9	8	1	0	26	26	100.0
3	30	28	17	5	3	0	1	26	25	96.2
4	150	28	14	6	8	0	0	28	28	100.0

Table 15 (continued) **Group Summary of Gestation Indices**

(b) F_1 Generation

Group	Dose level (mg/kg/day)	Number of females paired	Gestation length (days)						Number of females pregnant	Number of females with live born offspring	Parturition index (%)
			21	22	22½	23	23½	24			
1	0	27	0	11	8	7	0	0	26	26	100.0
2	5	26	0	16	6	4	0	0	26	26	100.0
3	30	28	1	14	8	3	0	0	26	26	100.0
4	150	28	0	13	4	8	0	0	26	25	96.2

Table 16 Group Mean Bodyweights (g) During Gestation – Females

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Day *post coitum*				
			1	4	7	14	21
1	0	Mean	314	329	339	370	469
		SD	30.3	29.0	28.9	28.7	43.7
		N	27	27	27	27	27
2	5	Mean	310	320	336	370	468
		SD	31.4	32.2	32.9	32.7	40.5
		N	26	26	26	26	26
3	30	Mean	315	328	338	379	466
		SD	29.3	27.2	27.7	42.4	40.6
		N	26	26	26	26	26
4	150	Mean	311	326	336	367	459
		SD	25.8	26.8	25.9	27.8	37.4
		N	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 16 (continued) **Group Mean Bodyweights (g) During Gestation – Females**
(b) F_1 Generation

Group	Dose level (mg/kg/day)		Day *post coitum*				
			1	4	7	14	21
1	0	Mean	293	310	321	359	466
		SD	24.5	24.5	23.5	25.5	30.7
		N	26	26	26	26	26
2	5	Mean	286	302	316	353	457
		SD	22.3	24.2	24.3	25.2	30.7
		N	26	26	26	26	26
3	30	Mean	288	305	317	352	450
		SD	28.6	30.7	32.1	35.2	40.7
		N	26	26	26	26	25
4	150	Mean	281	297	311	345	440
		SD	27.2	28.0	28.7	31.3	43.6
		N	26	26	26	26	25

SD = Standard deviation
N = Number of animals

Table 17 Group Mean Bodyweights (g) During Lactation – Females

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Day *post partum*				
			1	4	7	14	21
1	0	Mean	350	356	369	377	362
		SD	31.4	28.4	27.8	27.9	26.2
		N	26	26	25	25	25
2	5	Mean	344	355	369	375	364
		SD	31.8	30.6	31.8	31.7	29.7
		N	26	25	25	25	25
3	30	Mean	348	355	365	375	367
		SD	29.5	26.5	25.4	28.6	27.7
		N	25	25	25	25	25
4	150	Mean	340	353	365	377	367
		SD	26.2	27.7	29.5	28.7	25.3
		N	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 17 (continued) **Group Mean Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

Group	Dose level (mg/kg/day)		Day *post partum*				
			1	4	7	14	21
1	0	Mean	341	349	360	372	362
		SD	24.9	27.0	30.0	28.2	27.6
		N	26	26	26	26	26
2	5	Mean	332	343	357	369	356
		SD	27.8	26.6	24.7	23.4	22.2
		N	26	26	26	26	26
3	30	Mean	328	338	348	365	353
		SD	35.0	33.4	34.1	33.6	32.1
		N	26	26	26	26	26
4	150	Mean	326	335	348	367	355
		SD	38.5	34.4	32.5	29.4	26.5
		N	25	25	25	25	24

SD = Standard deviation
N = Number of animals

Table 18 Group Mean Food Consumption (g/rat/day) During Gestation and Lactation – Females

(a) F_0 Generation

Group	Dose level (mg/kg/day)		Day *post coitum*			Day *post partum*		
			1 – 7	7 – 14	14 – 21	1 – 7	7 – 14	14 - 21
1	0	Mean	23.4	28.8	30.6	37.7	63.2	75.9
		SD	2.8	2.9	2.8	6.6	11.2	13.0
		N	27	27	27	24	25	25
2	5	Mean	23.0	28.8	29.7	39.6	70.6	81.8
		SD	2.9	2.9	3.0	6.9	6.0	12.1
		N	26	26	26	25	25	25
3	30	Mean	23.0	28.9	29.3	35.7	63.1	77.1
		SD	3.8	2.3	2.5	4.7	8.3	10.7
		N	26	26	26	25	25	25
4	150	Mean	21.9	28.8	29.3	35.1	61.5	72.9
		SD	3.0	7.2	2.8	6.0	12.4	14.7
		N	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 18 (continued) **Group Mean Food Consumption (g/rat/day) During Gestation and Lactation – Females**
(b) F_1 Generation

Group	Dose level (mg/kg/day)		Day *post coitum*			Day *post partum*		
			1 – 7	7 – 14	14 – 21	1 – 7	7 – 14	14 - 21
1	0	Mean	22.6	26.8	28.4	43.4	69.6	84.9
		SD	2.4	2.4	3.0	6.6	9.3	10.9
		N	27	27	27	26	26	26
2	5	Mean	22.7	26.1	27.9	44.6	72.4	86.0
		SD	2.5	2.6	2.5	6.1	6.9	8.3
		N	26	26	26	26	26	26
3	30	Mean	23.0	25.8	26.3*	43.1	67.5	83.3
		SD	3.2	3.6	2.5	5.1	6.0	6.3
		N	26	26	26	25	25	26
4	150	Mean	21.3	24.7	26.7	41.7	64.6	80.0
		SD	2.8	3.3	4.0	6.0	8.9	11.0
		N	26	26	25	24	25	24

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 19 Group Summary of Live Birth and Viability Indices*

(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)	Live birth index (%)	Viability index (%)				
			1	2	3	4	5
1	0	98.6	94.0	93.4	92.6	100.0	81.3
2	5	98.5	96.1	99.2	97.5	100.0	93.0
3	30	98.6	98.6	98.8	91.8	99.4	88.8
4	150	98.9	99.2	97.2	89.0	99.4	85.3

* = Viability index calculations are presented in section 4.5.1 (page 28) of this report

Table 19 (continued) **Group Summary of Live Birth and Viability Indices***

(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)	Live birth index (%)	Viability index (%)				
			1	2	3	4	5
1	0	97.7	98.1	99.2	98.9	99.7	96.0
2	5	99.5	98.2	99.7	99.0	100.0	96.9
3	30	99.2	99.0	99.0	99.5	99.7	97.2
4	150	98.2	97.6	99.1	98.4	100.0+	95.0+

* = Viability index calculations are presented in section 4.5.1 (page 28) of this report
+ = Female number 435 found dead on Day 15 (omitted from viability index 4 and 5)

Table 20 Group Mean Litter Sizes During Lactation

(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)		Number born	Total Number of Implantation Sites	Day *post partum*				
					1	4	7	14	21
1	0	Mean	14.4	15.2	14.2	13.3	13.0	11.9	11.9
		SD	3.1	3.0	3.0	3.8	2.9	3.4	3.4
		N	26	27	26	26	25	25	25
2	5	Mean	15.0	16.2	14.8	14.8	14.6	14.3	14.3
		SD	2.2	2.2	2.3	2.0	1.9	1.7	1.7
		N	26	26	26	25	25	25	25
3	30	Mean	14.2	13.9	14.0	13.8	13.6	12.5	12.4
		SD	2.5	4.4	2.4	2.3	2.3	3.3	3.3
		N	25	27	25	25	25	25	25
4	150	Mean	13.0	13.7	12.9	12.8	12.4	11.0	11.0
		SD	2.9	2.7	3.0	2.9	2.9	3.6	3.6
		N	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 20 (continued) **Group Mean Litter Sizes During Lactation**

(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)		Number born	Total Number of Implantation Sites	Day *post partum*				
					1	4	7	14	21
1	0	Mean	14.7	15.9	14.4	14.1	14.0	13.8	13.8
		SD	2.3	2.4	2.2	2.3	2.1	2.2	2.2
		N	26	26	26	26	26	26	26
2	5	Mean	15.1	16.1	15.0	14.7	14.7	14.5	14.5
		SD	2.6	1.9	2.6	2.5	2.5	2.5	2.5
		N	26	26	26	26	26	26	26
3	30	Mean	15.0	15.7	14.9	14.7	14.6	14.5	14.5
		SD	1.7	1.7	1.7	1.6	1.7	1.6	1.6
		N	26	26	26	26	26	26	26
4	150	Mean	13.4	14.5	13.2	12.8	12.6	12.4	12.3
		SD	2.2	2.1	2.0	2.3	2.4	2.3	2.3
		N	25	25	25	25	25	25	24

SD = Standard deviation
N = Number of animals

Table 21 Group Mean Litter Weights (g) During Lactation

(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*				
			1	4	7	14	21
1	0	Mean	92.1	124.2	177.6	328.6	513.2
		SD	14.9	20.9	51.1	93.0	139.6
		N	26	25	25	25	25
2	5	Mean	96.3	138.0	199.1	381.0	603.0*
		SD	15.6	16.6	30.5	36.0	59.9
		N	26	25	25	25	24
3	30	Mean	89.5	123.5	177.8	324.4	518.3
		SD	13.4	16.9	23.7	69.2	111.6
		N	25	25	25	25	25
4	150	Mean	84.6	117.8	164.0	297.4	474.0
		SD	19.9	25.9	38.0	86.9	137.5
		N	28	28	28	28	28

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 21 (continued) **Group Mean Litter Weights (g) During Lactation**
(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*				
			1	4	7	14	21
1	0	Mean	96.5	132.6	192.6	370.7	581.1
		SD	13.3	19.6	27.2	53.2	84.9
		N	26	26	26	26	26
2	5	Mean	96.4	133.4	197.8	389.9	604.0*
		SD	15.1	20.5	29.3	50.5	76.7
		N	26	26	26	26	26
3	30	Mean	93.5	129.0	188.9	371.8	579.5
		SD	10.4	14.7	22.4	36.0	46.0
		N	26	26	26	26	26
4	150	Mean	86.6*	119.4	173.8	337.6	534.9
		SD	13.3	25.7	35.8	61.1	97.3
		N	25	25	25	25	24

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 22 **Group Mean Bodyweights (g) During Lactation – Offspring**
(a) $F_0 – F_1$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*									
			1		4		7		14		21	
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	0	Mean	6.8	6.4	9.2	9.0	14.0	13.0	28.3	27.1	44.4	42.8
		SD	0.8	0.8	1.9	1.7	2.4	2.9	3.4	3.8	6.1	6.3
		N	26	26	26	25	24	25	24	25	24	25
2	5	Mean	6.6	6.4	9.6	9.3	14.1	13.7	27.1	26.5	43.1	42.4
		SD	0.7	0.7	1.1	1.1	1.7	1.6	2.8	3.1	5.3	4.9
		N	25	25	24	24	24	24	24	24	23	23
3	30	Mean	6.6	6.3	9.2	8.9	13.6	13.0	27.4	26.0	43.8	41.7
		SD	0.6	0.6	1.2	1.2	2.1	2.1	4.4	3.8	6.6	6.6
		N	25	25	25	25	25	25	25	24	25	24
4	150	Mean	6.9	6.4	9.8	9.2	13.8	13.1	27.5	27.0	44.2	43.3
		SD	0.8	0.7	1.7	1.5	2.6	2.6	5.5	5.0	9.4	6.9
		N	28	28	28	28	28	28	28	27	28	27

SD = Standard deviation
N = Number of animals

Table 22 (continued) **Group Mean Bodyweights (g) During Lactation – Offspring**

(b) $F_1 – F_2$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*									
			1		4		7		14		21	
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	0	Mean	7.0	6.6	9.8	9.2	14.3	13.6	27.9	26.2	43.7	41.1
		SD	0.6	0.6	1.1	1.1	1.8	1.8	3.3	3.6	5.9	7.1
		N	24	24	24	24	24	24	24	24	24	24
2	5	Mean	6.6	6.3	9.5	8.9	14.0	13.3	27.8	26.9	43.6	41.5
		SD	0.5	0.4	1.0	1.0	1.9	1.8	4.7	4.6	7.3	6.8
		N	26	26	26	26	26	26	26	26	26	26
3	30	Mean	6.5*	6.1*	9.0	8.5	13.5	12.6	26.5	25.6	41.5	39.3
		SD	0.4	0.4	0.8	0.9	1.3	1.3	2.1	3.5	4.4	4.2
		N	26	26	26	26	26	26	26	26	26	26
4	150	Mean	6.8	6.5	9.5	9.1	14.0	13.3	27.9	26.3	44.4	42.4
		SD	0.7	0.7	1.1	1.3	1.5	2.0	2.4	3.3	4.6	5.3
		N	25	25	25	25	25	25	25	25	24	24

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 23 **Group Mean Age (Days) of Onset and Completion of Landmarks of Offspring Development**
(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*					
			Pinna unfolding		Tooth eruption		Eye opening	
			Onset	Completion	Onset	Completion	Onset	Completion
1	0	Mean	2.8	3.9	10.0	13.5	15.5	17.4
		SD	0.6	1.0	1.2	1.5	0.9	1.0
		N	25	25	25	25	25	25
2	5	Mean	2.8	3.7	9.5	13.5	14.9	17.8
		SD	0.7	0.6	0.8	1.7	0.7	0.9
		N	25	25	25	25	25	25
3	30	Mean	2.8	3.8	9.8	13.7	15.4	17.3
		SD	0.6	0.7	1.1	2.0	0.8	0.8
		N	25	25	25	25	25	25
4	150	Mean	2.9	4.2	9.7	13.8	15.4	17.6
		SD	0.7	0.9	0.9	1.6	0.9	1.0
		N	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 23 (continued) **Group Mean Age (Days) of Onset and Completion of Landmarks of Offspring Development**
(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)		Day *post partum*					
			Pinna unfolding		Tooth eruption		Eye opening	
			Onset	Completion	Onset	Completion	Onset	Completion
1	0	Mean	2.7	3.6	9.7	13.3	16.1	18.8
		SD	0.5	0.5	1.1	1.5	0.9	0.6
		N	26	26	26	26	26	26
2	5	Mean	2.7	3.6	9.8	13.3	15.8	18.7
		SD	0.3	0.4	0.9	1.7	0.8	0.8
		N	26	26	26	26	26	26
3	30	Mean	2.9	3.8	9.9	13.5	15.9	18.7
		SD	0.5	0.5	1.2	1.2	0.9	1.0
		N	26	26	26	26	26	26
4	150	Mean	2.9	3.6	9.9	12.9	15.9	18.6
		SD	0.5	0.5	1.2	1.5	0.8	0.5
		N	25	25	25	24	24	24

SD = Standard deviation
N = Number of animals

Table 24 **Group Summary of Reflexological Responses of Offspring**

(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)		Mean percentage of offspring with successful response			
			Surface righting reflex	Mid-air righting reflex	Pupillary reflex	Startle reflex
1	0	Mean	81.5	99.6	100	100
		SD	16.1	1.8	0	0
		N	26	25	25	25
2	5	Mean	80.9	100	100	100
		SD	20.4	0	0	0
		N	26	25	25	25
3	30	Mean	80.3	99.4	100	100
		SD	15.5	2.1	0	0
		N	25	25	25	25
4	150	Mean	83.9	100	100	100
		SD	20.4	0	0	0
		N	28	28	28	28

SD = Standard deviation
N = Number of animals

Table 24 (continued) **Group Summary of Reflexological Responses of Offspring**

(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)		Mean percentage of offspring with successful response			
			Surface righting reflex	Mid-air righting reflex	Pupillary reflex	Startle reflex
1	0	Mean	87.0	99.2	100	100
		SD	13.1	2.9	0	0
		N	26	26	26	26
2	5	Mean	85.5	99.5	100	100
		SD	18.3	1.7	0	0
		N	26	26	26	26
3	30	Mean	83.7	99.0	100	100
		SD	15.4	2.9	0	0
		N	26	26	26	26
4	150	Mean	79.9	99.7	100	100
		SD	17.3	1.5	0	0
		N	25	24	24	24

SD = Standard deviation
N = Number of animals

Table 25 **Group Mean Sex Ratios and Ano-genital Distance of Offspring**

(a) $F_0 - F_1$ Generation

Group	Dose level (mg/kg/day)		Day 1 *post partum*			Day 21 *post partum*			Ano-genital Distance (mm)	
			Number alive			Number alive				
			Male	Female	% Males/litter	Male	Female	% Males/litter	Male	Female
1	0	Mean	7.5	6.7	52.8	6.2	5.7	50.8	2.63	1.12
		SD	2.4	2.4	13.9	2.7	2.3	17.4	0.216	0.123
		N	26	26	26	25	25	25	26	26
2	5	Mean	7.3	7.5	49.2	7.1	7.2	49.5	2.61	1.10
		SD	2.2	2.1	12.8	2.1	2.0	13.6	0.192	0.138
		N	25	25	25	24	24	24	26	26
3	30	Mean	7.5	6.4	54.3	6.8	5.6	56.9	2.55	1.01*
		SD	2.1	2.1	13.4	2.4	2.5	17.7	0.263	0.137
		N	25	25	25	25	25	25	25	25
4	150	Mean	6.4	6.4	49.6	5.4	5.6	51.2	2.59	1.08
		SD	2.5	2.1	12.8	2.4	2.5	18.4	0.237	0.132
		N	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 25 (continued) **Group Mean Sex Ratios Ano-genital Distance of Offspring**

(b) $F_1 - F_2$ Generation

Group	Dose level (mg/kg/day)		Day 1 *post partum*			Day 21 *post partum*			Ano-genital Distance	
			Number alive			Number alive				
			Male	Female	% Males/litter	Male	Female	% Males/litter	Male	Female
1	0	Mean	7.4	7.3	51.0	7.0	7.0	50.7	2.57	1.06
		SD	1.9	2.6	14.4	1.9	2.6	14.5	0.127	0.052
		N	24	24	24	24	24	24	26	26
2	5	Mean	7.7	7.3	52.0	7.5	7.0	51.9	2.54	1.05
		SD	2.2	2.5	12.5	2.2	2.3	12.6	0.153	0.052
		N	26	26	26	26	26	26	26	26
3	30	Mean	7.3	7.6	49.3	7.2	7.3	49.5	2.51	1.08
		SD	2.1	2.3	13.6	2.1	2.1	13.3	0.137	0.059
		N	26	26	26	26	26	26	26	26
4	150	Mean	6.2	7.0	46.7	5.4	6.4	46.5	2.48	1.06
		SD	2.1	2.0	14.2	2.1	2.6	15.2	0.258	0.064
		N	25	25	25	25	25	24	25	25

SD = Standard deviation
N = Number of animals

Table 26 **Group Mean Sexual Development (Day *post partum*)**
F_1 Generation

Group	Dose level (mg/kg/day)		Males		Females	
			Day of completion	Bodyweight (g) at sexual development	Day of completion	Bodyweight (g) at sexual development
1	0	Mean	43.8	200	34.2	107
		SD	2.0	18.2	2.9	11.2
		N	28	28	29	29
2	5	Mean	43.3	199	34.2	108
		SD	2.0	26.9	1.9	11.4
		N	29	29	29	29
3	30	Mean	44.4	210	34.5	109
		SD	1.9	22.3	1.4	10.0
		N	29	29	29	29
4	150	Mean	44.7	214	31.6**	92***
		SD	1.9	25.4	1.8	11.7
		N	29	29	30	30

SD = Standard deviation
N = Number of animals
** = Significantly different from control value ($p < 0.01$)
*** = Significantly different from control value ($p < 0.001$)

Table 27 Group Summary of Macroscopic *Post mortem* Findings – Males
(a) F_0 Generation

Observation	Number of Animals Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Right testis – small, pale, flaccid	1	0	0	0
Both testis – small and flaccid	1	0	1	0
Right kidney – increased renal pelvic cavitation	0	2	0	0
Liver – swollen	0	0	1	0
Kidneys – large	0	0	1	0
Liver – enlarged, pale with accentuated lobular pattern	0	0	1	0
Epididymides – small	0	0	1	0
Thoracic cavity – filled with reddish fluid	0	0	0	1
Lungs – yellow fibrous adhesions covering entire surface	0	0	0	1
Stomach – gaseous distension	0	0	0	1
Duodenum – gaseous distension with slight yellow coloured contents and surface	0	0	0	1
Fur loss on head	1	0	0	0
Staining around snout and eyes	0	0	0	1

Table 27 (continued) **Group Summary of Macroscopic *Post mortem* Findings - Males**
(b) F_1 Generation

Observation	Number of Animals Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Thoracic cavity – filled with green amorphous fluid type material, some of which adhering to lung surface	1	0	0	0
Left kidney – increased renal pelvic cavitation	1	0	0	0
Right testis – small and flaccid	0	0	1	0
Prostate – yellow area on ventral surface	0	0	1	0
Lungs – post caval lobe and right caudal lobe replaced by pale amorphous tissue which is adherent to diaphragm	0	0	0	1
Liver – accentuated lobular pattern	0	0	0	1
Thymic lymph nodes – prominent	0	0	0	1
Left ear bruised and swollen	1	0	0	0
Staining around eyes	0	0	0	1

Table 28 Group Summary of Macroscopic *Post mortem* Findings – Females

(a) F_0 Generation

Observation	Number of Animals Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
External – abdominal area bloated	1	0	0	0
Internal – 1 pup lodged in vagina, all pups dead *in utero*	1	0	0	0
Spleen – slightly misshapen, surrounded by connective tissue, white colouration on surface moity	1	0	0	0
Subcutaneous mass – cut surface pale and/or amorphous tissue	1	0	1	1
Fur loss on ventrum	0	1	0	2
External left eye –opaque*	0	0	0	1
Internal left eye – spherical sac with cloudy liquid contents inside the eyeball*	0	0	0	1

* = both comments related to same animal

Table 28 (continued) **Group Summary of Macroscopic *Post mortem* Findings – Females**
(b) F_1 Generation

Observation	Number of Animals Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Thoracic cavity – filled with clear or red/brown fluid	1	2	0	1
Lungs – white fibrous adhesion covering entire surface	1	0	0	0
Thymus – scattered white foci	1	0	0	0
Wound on ventrum – approximately 3 cm long (similar to a scab)	1	0	0	0
Lungs – severe congestion and covered with fibrous adhesion	0	2	0	0
Lungs – covered with pale green fibrous material	0	0	0	1
Heart and lungs – small areas of adhered, green, fibrous lesions	0	0	0	1
Liver – pale	0	0	0	1
Kidneys – pale	0	0	0	1
Small intestine – reduced contents	0	0	0	1
Adrenals – enlarged	0	0	0	1
Severe bleeding from cervix/vaginal bleeding	0	0	0	1
Uterus – left horn: 4 late deaths, 2 early deaths right horn: 6 late deaths	0	0	0	1
Red staining around mouth, snout and eyes	0	0	0	1
Spleen – pale	0	0	0	1
Right kidney – increased renal pelvic cavitation	0	0	0	1

Table 29 Group Summary of Macroscopic *Post mortem* Findings – Offspring

(a) $F_0 F_1$ Generation

Observation	Number of Offspring Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Interim Deaths				
No milk in stomach	5	9	2	3
Stomach filled with colourless fluid	0	2	0	0
Gaseous distension of stomach	0	1	0	0
Autolysis	21	15	11	24
Lower body crushed	1	0	0	0
Cannibalised/internal organs cannibalised	0	0	4	0
Puncture wound on neck	0	0	1	0
Emaciated	0	4	0	0
Terminal kill				
Right kidney – increased renal pelvic cavitation	0	1	0	0
Left kidney – replaced by small cyst	0	0	1	0
– Small	0	0	0	2
Generalised fur loss	0	0	0	2

Table 29 (continued) **Group Summary of Macroscopic *Post mortem* Findings – Offspring**
(a) F_1 - F_2 Generation

Observation	Number of Offspring Affected			
	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Interim Deaths				
Autolysis	6	3	1	9
Wounds on head/internal hydrocephalus	1	0	0	0
No milk in stomach	2	1	2	17
Internal organs cannibalised	0	1	0	0
Terminal kill				
Bladder enlarged and mis-shapen with cloudy appearance to bladder wall	1	0	0	0
Left kidney – increased renal pelvic cavitation	2	0	0	0
Right kidney – increased renal pelvic cavitation	1	1	2	5

Table 30 Group Mean Organ Weights (g) – Males

(a) F_0 Generation

Group	Dose Level (mg/kg/day)		Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.061	0.010	2.186	0.350	4.238	0.675	22.348	3.553	0.852	0.136	0.400	0.064	0.031	0.005
		SD	0.0102	0.0017	0.0817	0.0290	0.4296	0.0488	2.7121	0.2818	0.1029	0.0164	0.0760	0.0111	0.0073	0.0013
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
2	5	Mean	0.057	0.009	2.147	0.339	4.177	0.659	22.358	3.513	0.865	0.137	0.407	0.064	0.032	0.005
		SD	0.0096	0.0018	0.1029	0.0367	0.4150	0.0792	2.9581	0.4327	0.1161	0.0226	0.0991	0.0130	0.0111	0.0020
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	0.057	0.009	2.131	0.346	4.176	0.676	22.506	3.628	0.857	0.138	0.379	0.061	0.031	0.005
		SD	0.0109	0.0020	0.0870	0.0297	0.4580	0.0719	3.1116	0.3721	0.1259	0.0158	0.0786	0.0123	0.0073	0.0013
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4	150	Mean	0.061	0.010	2.149	0.352	4.424	0.720*	23.464	3.807**	0.850	0.139	0.380	0.062	0.034	0.006
		SD	0.0090	0.0017	0.0923	0.0316	0.4910	0.0593	3.0236	0.2714	0.1517	0.0297	0.0738	0.0102	0.0073	0.0015
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)
** = Significantly different from control value ($p < 0.01$)

Table 30 (continued) **Group Mean Organ Weights (g) – Males**

(a) F_0 Generation

Group	Dose Level (mg/kg/day)		Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.738	0.118	0.719	0.115	0.018	0.003	0.739	0.118	2.726	0.435	1.874	0.300	1.850	0.296
		SD	0.0732	0.0135	0.1133	0.0196	0.0032	0.0005	0.1648	0.0278	0.3839	0.0620	0.2317	0.0416	0.2578	0.0472
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
2	5	Mean	0.710	0.112	0.708	0.112	0.017	0.003	0.683	0.108	2.498	0.394*	1.867	0.295	1.855	0.293
		SD	0.0710	0.0146	0.0487	0.0126	0.0036	0.0006	0.1313	0.0225	0.3698	0.0619	0.1255	0.0320	0.1245	0.0321
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	0.687*	0.111	0.690	0.112	0.017	0.003	0.737	0.119	2.480*	0.402*	1.828	0.295	1.830	0.295
		SD	0.0768	0.0109	0.0920	0.0151	0.0038	0.0006	0.1640	0.0249	0.3451	0.0559	0.2679	0.0409	0.2756	0.0418
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4	150	Mean	0.683*	0.112	0.676	0.111	0.020	0.003	0.646	0.105	2.335***	0.384*	1.821	0.298	1.808	0.296
		SD	0.0655	0.0142	0.0613	0.0127	0.0039	0.0007	0.1467	0.0220	0.3813	0.0830	0.1409	0.0340	0.1389	0.0319
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)
*** = Significantly different from control value ($p < 0.001$)

Table 30 (continued) **Group Mean Organ Weights (g) – Males**

(b) F_1 Generation

Group	Dose Level (mg/kg/day)		Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.061	0.010	2.072	0.338	3.964	0.643	22.229	3.585	0.849	0.138	0.439	0.071	0.016	0.002
		SD	0.0096	0.0017	0.1026	0.0364	0.4943	0.0657	3.3760	0.3007	0.0976	0.0153	0.0924	0.0147	0.0051	0.008
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2	5	Mean	0.059	0.010	2.034	0.350	3.859	0.658	21.579	3.667	0.844	0.144	0.416	0.071	0.020*	0.004**
		SD	0.0119	0.0022	0.1055	0.0371	0.4954	0.0513	3.5860	0.3605	0.1211	0.0164	0.1027	0.0175	0.0061	0.0010
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	0.059	0.010	2.056	0.346	3.992	0.665	22.124	3.690	0.858	0.143	0.453	0.075	0.021*	0.004**
		SD	0.0094	0.0017	0.0927	0.0333	0.5551	0.0569	3.1741	0.3697	0.1816	0.0234	0.1026	0.0150	0.0062	0.0048
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	0.063	0.011	2.038	0.357	4.262	0.738***	23.555	4.048***	0.822	0.142	0.471	0.082	0.020	0.003*
		SD	0.0142	0.0028	0.1251	0.0411	0.6712	0.0876	4.4459	0.3851	0.1344	0.0172	0.1135	0.0210	0.0060	0.0011
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)
** = Significantly different from control value ($p < 0.01$)
*** = Significantly different from control value ($p < 0.001$)

Table 30 (continued) **Group Mean Organ Weights (g) – Males**

(b) F_1 Generation

Group	Dose Level (mg/kg/day)		Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.713	0.117	0.728	0.119	0.015	0.002	0.705	0.114	2.761	0.447	1.913	0.312	1.955	0.319
		SD	0.0765	0.0186	0.0819	0.0199	0.0053	0.0008	0.1761	0.0268	0.4991	0.0698	0.1408	0.0346	0.2726	0.0502
		N	27	27	27	27	27	27	27	27	27	27	27	27	27	27
2	5	Mean	0.719	0.125	0.762	0.132	0.012	0.002	0.736	0.127	2.434**	0.416	1.785	0.307	1.802	0.310
		SD	0.2178	0.0448	0.2003	0.0421	0.0048	0.0008	0.1324	0.0260	0.3783	0.0597	0.2826	0.0552	0.2873	0.0569
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	0.720	0.121	0.722	0.122	0.013	0.002	0.667	0.111	2.371**	0.398*	1.842	0.309	1.841	0.310
		SD	0.0902	0.0178	0.1106	0.0233	0.0047	0.0008	0.1841	0.0288	0.3126	0.0547	0.1648	0.0330	0.2340	0.0463
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	0.703	0.122	0.718	0.125	0.016	0.003*	0.602	0.104	2.261***	0.392*	1.822	0.319	1.840	0.322
		SD	0.1056	0.0184	0.1041	0.0196	0.0041	0.0008	0.2197	0.0350	0.3972	0.0607	0.1589	0.0411	0.1565	0.0415
		N	28	28	28	28	28	28	28	28	28	28	28	28	28	28

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
** = Significantly different from control value ($p < 0.01$)
* = Significantly different from control value ($p < 0.05$)
*** = Significantly different from control value ($p < 0.001$)

Table 31 **Group Mean Organ Weights (g) – Females**

(a) F_0 Generation

Group	Dose Level (mg/kgd/ay)		Adrenals		Brain		Kidneys		Liver		Ovaries	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.092	0.026	1.987	0.552	2.624	0.726	17.505	4.849	0.117	0.032
		SD	0.0154	0.0042	0.0838	0.0502	0.1677	0.0424	1.9980	0.5885	0.0228	0.0059
		N	25	25	25	25	25	25	25	25	25	25
2	5	Mean	0.089	0.025	1.968	0.544	2.607	0.718	17.727	4.876	0.115	0.032
		SD	0.0107	0.0035	0.0782	0.0449	0.2226	0.0379	1.7307	0.2709	0.0243	0.0060
		N	25	25	25	25	25	25	25	25	25	25
3	30	Mean	0.092	0.025	1.946	0.534	2.541	0.695	17.398	4.743	0.119	0.032
		SD	0.0144	0.0041	0.0764	0.0477	0.2150	0.0545	1.9198	0.3542	0.0187	0.0048
		N	25	25	25	25	25	25	25	25	25	25
4	150	Mean	0.099	0.027	1.975	0.541	2.661	0.726	17.610	4.805	0.107	0.029
		SD	0.0142	0.0036	0.0812	0.0361	0.2456	0.0473	1.8716	0.4057	0.0251	0.0075
		N	28	28	28	28	28	28	28	28	28	28

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals

Table 31 (continued) **Group Mean Organ Weights (g) – Females**

(a) F_0 Generation

Group	Dose Level (mg/kgd/ay)		Pituitary		Spleen		Thymus ♠		Thyroid		Uterus	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.018	0.005	0.600	0.166	0.173	0.048	0.014	0.004	0.490	0.136
		SD	0.0048	0.0014	0.0858	0.0238	0.0480	0.0140	0.0048	0.0014	0.1741	0.0471
		N	25	25	25	25	25	25	25	25	25	25
2	5	Mean	0.017	0.005	0.574	0.158	0.164	0.045	0.018	0.005**	0.415	0.113
		SD	0.0035	0.0011	0.0867	0.0210	0.0546	0.0148	0.0068	0.0018	0.1469	0.0347
		N	25	25	25	25	25	25	25	25	25	25
3	30	Mean	0.016	0.004	0.610	0.167	0.181	0.049	0.017	0.005*	0.421	0.115
		SD	0.0036	0.0010	0.0965	0.0294	0.0536	0.0135	0.0056	0.0015	0.1429	0.0374
		N	25	25	25	25	25	25	25	25	25	25
4	150	Mean	0.016	0.004	0.611	0.167	0.181	0.050	0.015	0.004	0.476	0.130
		SD	0.0049	0.0013	0.0699	0.0170	0.0611	0.0186	0.0068	0.0018	0.1555	0.0416
		N	28	28	28	28	28	28	28	28	28	28

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
** = Significantly different from control value ($p < 0.01$)
* = Significantly different from control value ($p < 0.05$)

Table 31 (continued) **Group Mean Organ Weights (g) – Females**

(b) F_1 Generation

Group	Dose Level (mg/kgd/ay)		Adrenals		Brain		Kidneys		Liver		Ovaries	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.103	0.029	1.958	0.543	2.602	0.719	18.447	5.093	0.114	0.031
		SD	0.0150	0.0043	0.0939	0.0351	0.2620	0.0606	1.9866	0.3799	0.0226	0.0057
		N	26	26	26	26	26	26	26	26	26	26
2	5	Mean	0.102	0.029	1.945	0.549	2.549	0.718	17.618	4.955	0.109	0.031
		SD	0.0157	0.0042	0.1036	0.0407	0.2053	0.0595	1.4950	0.2979	0.0181	0.0054
		N	26	26	26	26	26	26	26	26	26	26
3	30	Mean	0.100	0.029	1.893	0.539	2.519	0.714	16.818*	4.767**	0.106	0.030
		SD	0.0168	0.0047	0.1930	0.0665	0.2818	0.0531	1.8227	0.3308	0.0186	0.0045
		N	26	26	26	26	26	26	26	26	26	26
4	150	Mean	0.101	0.029	1.891	0.535	2.521	0.711	17.816	5.006	0.100	0.028
		SD	0.0187	0.0046	0.1272	0.0424	0.2458	0.0511	2.5649	0.4608	0.0172	0.0046
		N	24	24	24	24	24	24	24	24	24	24

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)
** = Significantly different from control value ($p < 0.01$)

Table 31 (continued) **Group Mean Organ Weights (g) – Females**

(b) F_1 Generation

Group	Dose Level (mg/kgd/ay)		Pituitary		Spleen		Thymus		Thyroid		Uterus	
			Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0	Mean	0.014	0.004	0.677	0.187	0.169	0.047	0.017	0.005	0.424	0.117
		SD	0.0035	0.0008	0.1043	0.0249	0.0695	0.0189	0.0043	0.0014	0.1000	0.0275
		N	26	26	26	26	26	26	26	26	26	26
2	5	Mean	0.013	0.004	0.648	0.183	0.146	0.041	0.019	0.005	0.430	0.122
		SD	0.0031	0.0008	0.0904	0.0255	0.0455	0.0127	0.0051	0.0015	0.1434	0.0410
		N	26	26	26	26	26	26	26	26	26	26
3	30	Mean	0.014	0.004	0.627	0.178	0.142	0.040	0.018	0.005	0.413	0.118
		SD	0.0040	0.0011	0.1144	0.0286	0.0619	0.0162	0.0059	0.0018	0.1203	0.0348
		N	26	26	26	26	26	26	26	26	26	26
4	150	Mean	0.014	0.004	0.639	0.181	0.154	0.043	0.019	0.005	0.546**	0.153***
		SD	0.0049	0.0015	0.1063	0.0306	0.0468	0.0131	0.0064	0.0019	0.1363	0.0327
		N	24	24	24	24	24	24	24	24	24	24

+ = Percentage of bodyweight
SD = Standard deviation
N = Number of animals
** = Significantly different from control value ($p < 0.01$)
*** = Significantly different from control value ($p < 0.001$)

Table 32 Group Mean Organ Weights – Selected Offspring

(a) $F_0 – F_1$ Generation

Group	Dose Level (mg/kgd/ay)		Male Offspring			Female Offspring		
			Brain	Spleen	Thymus	Brain	Spleen	Thymus
1	0	Mean	1.407	0.182	0.182	1.351	0.182	0.179
		SD	0.0891	0.0480	0.0377	0.0924	0.0543	0.0405
		N	23	23	23	24	24	24
2	5	Mean	1.368	0.169	0.168	1.343	0.171	0.179
		SD	0.0913	0.0451	0.0349	0.0818	0.0506	0.0290
		N	25	25	25	25	25	25
3	30	Mean	1.350	0.185	0.176	1.302	0.169	0.184
		SD	0.0919	0.0534	0.0513	0.1077	0.0311	0.0378
		N	25	25	25	23	23	23
4	150	Mean	1.321*	0.176	0.177	1.329	0.174	0.179
		SD	0.1326	0.0591	0.0566	0.1107	0.0606	0.0423
		N	28	28	28	27	27	27

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

Table 32 (continued) **Group Mean Organ Weights – Selected Offspring**
(b) F_1 – F_2 Generation

Group	Dose Level (mg/kgd/ay)		Male Offspring			Female Offspring		
			Brain	Spleen	Thymus	Brain	Spleen	Thymus
1	0	Mean	1.219	0.183	0.188	1.197	0.180	0.216
		SD	0.1139	0.0544	0.0430	0.1130	0.0492	0.1857
		N	26	26	26	26	26	26
2	5	Mean	1.207	0.179	0.168	1.187	0.174	0.170
		SD	0.1067	0.0467	0.0406	0.0976	0.0386	0.0287
		N	26	26	26	26	26	26
3	30	Mean	1.174	0.167	0.166	1.168	0.168	0.158
		SD	0.1056	0.0345	0.0408	0.1161	0.0446	0.0287
		N	26	26	26	26	26	26
4	150	Mean	1.263	0.179	0.181	1.232	0.182	0.189
		SD	0.1210	0.0362	0.0355	0.1359	0.0436	0.0442
		N	24	24	24	24	24	24

SD = Standard deviation
N = Number of animals

Table 33 Group Mean Semen Analysis – Concentration/Motility

(a) F_0 Generation

Group	Dose Level (mg/kg/day)		Concen-tration (M/ml)	Motility (%)	Progres-sive motility (%)	Path velocity (µm/s)	Progres-sive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straight-ness (%)	Linearity (%)	Elongation (%)	Area (µm sq)
1	0	Mean	208.0	85.4	10.11	147.5	90.5	336.9	21.3	32.7	62.44	28.7	38.7	306.2
		SD	84.94	23.79	6.11	22.27	14.10	64.00	2.63	4.04	6.20	5.13	5.33	193.15
		N	28	28	28	27	27	27	27	27	27	27	27	27
2	5	Mean	225.2	91.3	10.8	154.9	93.3	355.2	21.5	33.4	61.0	27.2	40.6	308.8
		SD	101.03	6.40	5.78	12.05	9.09	33.34	3.63	4.19	5.07	1.66	4.68	158.26
		N	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	204.6	84.8	8.5	144.1	88.0	332.4	20.4	32.5	62.8	28.4	39.5	282.2
		SD	87.05	24.15	4.82	28.73	15.80	71.44	4.62	8.08	6.65	4.26	9.98	128.81
		N	27	27	27	26	26	26	26	26	26	26	26	26
4	150	Mean	202.6	82.0	10.9	146.6	91.3	335.7	22.0	33.4	63.5	29.6	38.7	329.7
		SD	85.59	23.59	7.12	22.75	13.00	65.36	4.73	3.80	7.16	8.11	4.71	396.05
		N	27	27	27	27	27	27	27	27	27	27	27	27

SD = Standard deviation
N = Number of animals

Table 33 (continued) **Group Mean Semen Analysis – Concentration/Motility**
(b) F_1 Generation

Group	Dose Level (mg/kg/day)		Concen-tration (M/ml)	Motility (%)	Progres-sive motility (%)	Path velocity (µm/s)	Progres-sive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straight-ness (%)	Linearity (%)	Elongation (%)	Area (µm sq)
1	0	Mean	140.7	87.5	9.8	151.5	90.7	339.8	20.1	32.6	61.3	28.1	41.1	327.2
		SD	57.18	12.59	5.70	15.27	9.11	38.20	2.97	4.14	5.80	2.73	3.80	263.24
		N	27	27	27	27	27	27	27	27	27	27	27	27
2	5	Mean	151.3	86.0	9.8	151.8	89.6	342.6	20.1	35.2	60.3	27.6	43.0	460.3
		SD	63.87	22.39	5.72	16.29	11.05	42.4	4.45	6.36	4.49	2.58	5.70	450.24
		N	28	28	28	27	27	27	27	27	27	27	27	27
3	30	Mean	167.5	89.1	9.5	153.4	89.3	340.6	19.6	33.5	60.2	28.9	41.0	329.1
		SD	64.46	17.66	4.18	23.72	11.15	62.50	4.22	5.36	7.65	9.86	9.41	163.76
		N	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	142.2	87.2	9.0	148.1	85.6	327.7	20.0	34.8	59.9	28.5	40.4	412.7
		SD	64.76	20.09	5.55	26.44	13.50	74.18	2.74	5.00	6.11	4.59	6.88	257.85
		N	28	28	28	27	27	27	27	27	27	27	27	27

SD = Standard deviation
N = Number of animals

Table 34 Group Mean Semen Analysis – Morphology

a) F_0 Generation

Group	Dose Level (mg/kg/day)		Number normal	Number abnormal	Number normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cyto-plasmic droplets (%)
						Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
1	0	Mean	31.1	0.1	99.2	12.1	0.4	17.4	0.6	8.4	0.3	69.6	2.1	0.0	0.0
		SD	17.67	0.76	4.44	0.22	1.87	0.27	3.23	0.62	1.68	1.25	11.04	0.00	0.00
		N	28	28	28	28	28	28	28	28	28	28	28	28	28
2	5	Mean	32.4	0.0	99.9	12.0	0.3	17.3	0.6	8.4	0.3	69.4	1.8	0.0	0.0
		SD	12.41	0.19	0.72	0.14	1.68	0.30	3.34	0.43	1.72	1.32	9.51	0.00	0.00
		N	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	40.6	0.0	100.0	12.1	0.0	17.3	0.0	8.3	0.0	69.7	0.0	0.0	0.0
		SD	24.31	0.00	0.00	0.12	0.00	0.32	0.00	0.47	0.00	1.15	0.00	0.00	0.00
		N	27	27	27	27	27	27	27	27	27	27	27	27	27
4	150	Mean	38.9	0.0	99.9	12.0	0.5	17.2	0.6	8.1	0.3	70.0	2.9	0.0	0.0
		SD	21.43	0.19	0.69	0.12	2.50	0.33	3.21	0.42	1.52	1.38	14.93	0.00	0.00
		N	27	27	27	27	27	27	27	27	27	27	27	27	27

SD = Standard deviation
N = Number of animals

Table 34 (continued) **Group Mean Semen Analysis – Morphology**

b) F_1 Generation

Group	Dose Level (mg/kg/day)		Number normal	Number abnormal	Number normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cyto-plasmic droplets (%)
						Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
1	0	Mean	27.8	0.1	99.7	12.1	0.9	17.3	1.4	7.7	0.7	69.9	5.1	0.0	0.0
		SD	14.67	0.43	1.03	0.16	3.15	0.30	4.82	0.61	2.61	1.46	18.42	0.00	0.00
		N	26	26	26	26	26	26	26	26	26	26	26	26	26
2	5	Mean	30.5	0.0	100.0	12.0	0.4	17.4	0.5	7.9	0.3	69.4	3.0	0.0	0.04
		SD	20.55	0.19	0.19	0.23	2.21	0.25	2.63	0.62	1.44	1.44	15.86	0.00	0.189
		N	28	28	28	28	28	28	28	28	28	28	28	28	28
3	30	Mean	26.4	0.0	100.0	12.0	0.0	17.3	0.0	7.8	0.0	69.8	0.0	0.0	0.0
		SD	13.30	0.00	0.00	0.17	0.00	0.23	0.00	0.55	0.00	1.49	0.00	0.00	0.00
		N	28	28	28	28	28	28	28	28	28	28	28	28	28
4	150	Mean	26.8	0.0	100.0	12.0	0.0	17.3	0.0	7.8	0.0	69.3	0.0	0.0	0.0
		SD	17.46	0.00	0.00	0.22	0.00	0.34	0.00	0.57	0.00	1.95	0.00	0.00	0.00
		N	28	28	28	28	28	28	28	28	28	28	28	28	28

SD = Standard deviation
N = Number of animals

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Table 35 Group Mean Homogenisation Resistant Spermatid Counts

(a) F_0 Males

Group	Dose Level (mg/kg/day)		Spermatid Count million/gram	
			Testis	Cauda
1	0	Mean	80.5	257.7
		SD	8.58	85.86
		N	28	28
4	150	Mean	84.6	289.5
		SD	13.78	93.20
		N	26	26

SD = Standard deviation
N = Number of animals

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Table 35 (continued) Group Mean Homogenisation Resistant Spermatid Counts (b) F_1 Males

Group	Dose Level (mg/kg/day)		Spermatid Count million/gram	
			Testis	Cauda
1	0	Mean	71.2	254.2
		SD	10.51	47.44
		N	27	26
4	150	Mean	77.5*	269.0
		SD	12.29	61.29
		N	28	28

SD = Standard deviation
N = Number of animals
* = Significantly different from control value ($p < 0.05$)

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Table 36 Summary of Histopathological Findings – Males

(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Adrenal 1			
No autolysis recorded	28	2	1	28
Zona fasciculata vacuolation				
Not examined	0	0	0	0
Absent	21	1	1	27
-minimal	4	1	0	1
-mild	3	0	0	0
	Adrenal 2			
No autolysis recorded	28	2	1	28
Zona fasciculata vacuolation				
Not examined	0	0	0	1
Absent	21	1	1	26
-minimal	4	1	0	1
-mild	3	0	0	0
	Epididymis Right			
No autolysis recorded	28	2	1	28
Aspermia				
Not examined	0	0	0	0
Absent	26	2	0	28
Present	2	0	1	0
Degenerate sperm forms				
Not examined	0	0	0	0
Absent	27	2	1	28
-minimal	1	0	0	0

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Table 36 (continued) **Summary of Histopathological Findings – Males**
(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Pituitary			
No autolysis recorded	28	2	1	28
Craniopharyngeal cyst				
Not examined	0	0	0	0
Absent	27	2	1	27
Present	1	0	0	1
No autolysis recorded	28	2	1	28
Pars intermedia cyst				
Not examined	0	0	0	0
Absent	26	2	1	27
-minimal	0	0	0	1
-mild	2	0	0	0
	Prostate			
No autolysis recorded	28	2	1	28
Interstitial lymphocytosis				
Not examined	23	0	0	0
Absent	0	2	1	25
-minimal	2	0	0	3
-mild	3	0	0	0
Purulent inflammation				
Not examined	0	0	0	0
Absent	28	2	1	26
-minimal	0	0	0	2

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Table 36 (continued) **Summary of Histopathological Findings – Males**

(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Seminal Vesicle 2			
No autolysis recorded	28	2	1	28
Slight contraction				
Not examined	0	0	0	0
Absent	27	2	1	28
Present	1	0	0	0
	Testis Right			
No autolysis recorded	28	2	1	28
Germinal epithelial absence				
Not examined	0	0	0	0
Absent	27	2	1	28
Present	1	0	0	0
Germinal epithelium degeneration				
Not examined	0	0	0	0
Absent	27	2	0	28
-mild	1	0	0	0
-moderate	0	0	1	0
Single tubule germinal cell atrophy				
Not examined	0	0	0	0
Absent	27	2	1	27
-minimal	1	0	0	0
-mild	0	0	0	1
Spermatid giant cells				
Not examined	0	0	0	0
Absent	27	2	1	28
-minimal	1	0	0	0

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Table 36 (continued) **Summary of Histopathological Findings – Males**
(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
Non-protocol organs				
	Epididymis Left			
Aspermia, present	-	-	1	-
	Liver			
Terminal congestion, moderate	-	-	1	-
	Lungs			
Extensive fibrinopurulent pleuritis, present	-	-	-	1
	Testis Left			
Germinal epithelium degeneration, moderate	-	-	1	-

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Table 37 Summary of Histopathological Findings – Females

(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Adrenal 1			
No autolysis recorded	28	2	1	28
Cortical coagulative necrosis				
Not examined	0	0	0	0
Absent	27	2	1	28
-moderate	1	0	0	0
	Ovary 1			
No autolysis recorded	28	2	1	28
No corpora lutea				
Not examined	0	0	0	0
Absent	28	2	1	26
Present	0	0	0	2
	Ovary 2			
No autolysis recorded	28	2	1	28
Follicular cyst				
Not examined	0	0	0	0
Absent	27	2	1	28
Present	1	0	0	0
No corpora lutea				
Not examined	0	0	0	0
Absent	28	2	1	26
Present	0	0	0	2

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Table 37 (continued) **Summary of Histopathological Findings – Females**
(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Pituitary			
No autolysis recorded	28	2	1	28
Pars intermedia cyst				
Not examined	0	0	0	0
Absent	27	2	1	28
-mild	1	0	0	0
	Uterus Body			
No autolysis recorded	28	2	1	28
Gross dilatation				
Not examined	0	0	0	0
Absent	26	2	1	28
Present	2	0	0	0
Physiological dilatation				
Not examined	0	0	0	0
Absent	26	2	1	27
Present	2	0	0	1
Small siderotic area(s)				
Not examined	0	0	0	0
Absent	3	2	1	4
Present	25	0	0	24
	Uterus Horns x 2			
No autolysis recorded	28	2	1	28
Gross dilatation				
Not examined	0	0	0	0
Absent	27	2	1	28
Present	1	0	0	0

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Table 37 (continued) **Summary of Histopathological Findings – Females**

(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Uterus Horns x 2 (continued)			
Luminal bacterial colonization				
Not examined	0	0	0	0
Absent	27	2	1	28
-moderate	1	0	0	0
Mesometrial focal coagulative necrosis				
Not examined	0	0	0	0
Absent	27	2	1	28
-mild	1	0	0	0
Minimal gland acute inflammation				
Not examined	0	0	0	0
Absent	27	2	1	28
Present	1	0	0	0
No autolysis recorded	28	2	1	28
Physiological dilatation				
Not examined	0	0	0	0
Absent	27	2	1	27
Present	1	0	0	1
Small siderotic area(s)				
Not examined	0	0	0	0
Absent	12	2	1	6
Present	16	0	0	22

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Table 37 (continued) Summary of Histopathological Findings – Females
(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Vagina			
No autolysis recorded	28	2	1	28
Mucified epithelium				
Not examined	0	0	0	0
Absent	13	2	1	7
Present	15	0	0	21
Squamous degenerating epithelium				
Not examined	0	0	0	0
Absent	25	2	1	28
Present	3	0	0	0
Squamous epithelium				
Not examined	0	0	0	0
Absent	21	0	0	23
Present	7	2	1	5
Squamous keratinized epithelium				
Not examined	0	0	0	0
Absent	27	2	1	27
Present	1	0	0	1
Trilaminar epithelium				
Not examined	0	0	0	0
Absent	26	2	1	27
Present	2	0	0	1

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Table 37 (continued) **Summary of Histopathological Findings – Females**

(a) F_0 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
Non-protocol organs				
	Eye Left			
Cataract, present	-	-	-	1
	Mammary Gland			
Acinar activation, marked	-	-	-	1
Mammary gland adenoma, neoplasm, benign	1	-	1	-

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Table 38 Summary of Histopathological Findings – Males

(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	0	2	28
	Adrenal 1			
No autolysis recorded	28	0	1	28
Zona fasciculata vacuolation				
Not examined	1	0	0	0
Absent	22	0	1	28
-minimal	5	0	0	0
Terminal congestion				
Not examined	1	0	0	0
Absent	26	0	1	28
Present	1	0	0	0
	Adrenal 2			
No autolysis recorded	28	0	1	28
Zona fasciculata vacuolation				
Not examined	1	0	0	0
Absent	22	0	1	28
-minimal	5	0	0	0
Terminal congestion				
Not examined	1	0	0	0
Absent	26	0	1	28
Present	1	0	0	0
	Epididymis Right			
No autolysis recorded	28	0	1	28
Extratubular spermatozoa				
Not examined	1	0	0	0
Absent	27	0	1	27
-mild	0	0	0	1
Small in cross section				
Not examined	1	0	0	0
Absent	26	0	1	28
Present	1	0	0	0

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Table 38 (continued) **Summary of Histopathological Findings – Males**
(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	0	2	28
	Prostate			
No autolysis recorded	28	0	2	28
Interstitial lymphocytosis				
Not examined	1	0	0	0
Absent	23	0	2	24
-minimal	2	0	0	3
-mild	1	0	0	1
- moderate	1	0	0	0
	Testis Right			
No autolysis recorded	28	0	2	28
Germinal epithelial absence				
Not examined	0	0	0	0
Absent	28	0	1	28
Present	0	0	1	0
Single tubule germinal cell atrophy				
Not examined	0	0	0	0
Absent	27	0	2	28
-minimal	1	0	0	0
Small in cross section				
Not examined	0	0	0	0
Absent	27	0	2	28
Present	1	0	0	0
Tubule dilatation				
Not examined	0	0	0	0
Absent	27	0	2	28
-mild	1	0	0	0

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Table 38 (continued) **Summary of Histopathological Findings – Males**
(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	0	2	28
Non-protocol organs				
	Liver			
Centriacinar lipidosis, mild	-	-	-	1
	Lungs			
Fibrinopurulent pleuritis, present	-	-	-	1
Pneumonitis, mild	-	-	-	1
Terminal congestion, moderate	1	-	-	-
	Thymic Lymph Nodes			
Plasmacytic proliferation, mild	-	-	-	1

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Table 39 Summary of Histopathological Findings – Females

(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Adrenal 1			
No autolysis recorded	28	0	1	28
Haemorrhagic				
Not examined	0	0	0	0
Absent	27	0	1	28
-moderate	1	0	0	0
Zona fasciculata hypertrophy				
Not examined	0	0	0	0
Absent	28	0	1	27
- moderate	0	0	0	1
	Adrenal 2			
No autolysis recorded	28	0	1	28
Haemorrhagic				
Not examined	0	0	0	0
Absent	26	0	1	28
- mild, focal	1	0	0	0
-moderate	1	0	0	0
X-zone				
Not examined	0	0	0	0
Absent	27	0	1	28
- minimal	1	0	0	0
Zona fasciculata hypertrophy				
Not examined	0	0	0	0
Absent	28	0	1	27
- moderate	0	0	0	1
	Pituitary			
No autolysis recorded	28	0	1	28
Craniopharyngeal cyst				
Not examined	0	0	0	0
Absent	27	0	1	27
Present	1	0	0	1

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Table 39 (continued) Summary of Histopathological Findings – Females
(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Uterus Body			
No autolysis recorded	28	0	1	28
Focal mineralized fibrotic plaque				
Not examined	0	0	0	0
Absent	28	0	1	27
-mild	0	0	0	1
Small siderotic area(s)				
Not examined	0	0	0	0
Absent	5	0	1	5
Present	23	0	0	23
	Uterus Horns x 2			
No autolysis recorded	28	0	1	28
Focal necrosis of attachment area				
Not examined	0	0	0	0
Absent	27	0	1	28
Present	1	0	0	0
Physiological dilatation				
Not examined	0	0	0	0
Absent	27	0	0	25
Present	1	0	1	3
Placentation				
Not examined	0	0	0	0
Absent	28	0	1	27
Present	0	0	0	1
Purulent endometritis				
Not examined	0	0	0	0
Absent	28	0	1	27
-moderate	0	0	0	1
Small siderotic area(s)				
Not examined	0	0	0	0
Absent	6	0	1	14
Present	22	0	0	14

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Table 39 (continued) **Summary of Histopathological Findings – Females**
(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
	Vagina			
No autolysis recorded	28	0	1	28
Mucified epithelium				
Not examined	2	0	0	1
Absent	14	0	1	9
Present	12	0	0	18
Squamous epithelium				
Not examined	2	0	0	1
Absent	13	0	1	21
Present	13	0	0	6
Squamous keratinized epithelium				
Not examined	2	0	0	1
Absent	26	0	0	26
Present	0	0	1	1
Trilaminar epithelium				
Not examined	2	0	0	1
Absent	25	0	1	25
Present	1	0	0	2

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Table 39 (continued) **Summary of Histopathological Findings – Females**
(b) F_1 Generation

Histopathological finding	Group 1 (0 mg/kg/day)	Group 2 (5 mg/kg/day)	Group 3 (30 mg/kg/day)	Group 4 (150 mg/kg/day)
Number of animals examined	28	2	1	28
Non-protocol organs				
	Lungs			
Fibrinopurulent pleuritis, present	1	1	-	1
Pneumonitis, mild	1	-	-	-
Pulmonary abscess, moderate	-	-	-	1
Terminal congestion, moderate	-	2	-	-

Table 40 Group Mean Oocyte Counts
F_1 Generation

Group	Dose Level (mg/kg/day)		Ovary 1			Ovary 2			Overall		
			S	G	A	S	G	A	S	G	A
1	0	Mean	3.9	1.0	1.0	4.5	1.1	0.7	4.2	1.0	0.8
		SD	1.71	0.51	0.46	3.06	0.68	0.57	2.19	0.43	0.38
		N	10	10	10	10	10	10	10	10	10
4	150	Mean	2.5	0.3**	0.5*	4.6	0.4	0.4	3.6	0.4	0.5
		SD	1.14	0.36	0.46	3.34	0.40	0.43	1.95	0.21	0.36
		N	10	10	10	10	10	10	10	10	10

S = small follicle
G = medium follicle
A = large follicle
** = Significantly different from control value ($p < 0.01$)
* = Significantly different from control value ($p < 0.05$)

APPENDICES

Appendix 1 Individual Clinical Observations –Males

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
13	Fur loss on head	86-126
14	Fur loss on head	115-124
15	Fur loss on head	90-114, 125-126
16	Fur loss on head	91-126

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
30	Increased salivation immediately post-dose	113
34	Increased salivation immediate post-dose	109
36	Increased salivation pre-dose	53, 56, 68-69, 75, 95-96
	Increased salivation immediately post-dose	53-54, 56, 62, 68-70, 75, 84-85, 95-96, 107, 111
37	Increased salivation immediately post-dose	96
38	Increased salivation immediately post-dose	96
39	Increased salivation immediately post-dose	96
40	Increased salivation immediately post-dose	95-96
42	Increased salivation pre-dose	10
	Increased salivation immediately post-dose	10, 64
44	Increased salivation immediately post-dose	109
52	Increased salivation pre-dose	57, 126
	Increased salivation immediately post-dose	57, 126

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
58	Increased salivation immediately post-dose	80-83
	Found dead	111
59	Increased salivation immediately post-dose	83, 88
60	Increased salivation immediately post-dose	28, 50
61	Increased salivation immediately post-dose	20, 43, 74
62	Increased salivation immediately post-dose	100-101
71	Increased salivation immediately post-dose	75, 88-89, 93
74	Increased salivation immediately post-dose	44, 95-97
75	Increased salivation immediately post-dose	90, 92-93
77	Increased salivation immediately post-dose	80-81
79	Increased salivation immediately post-dose	91
82	Increased salivation pre-dose	110
	Increased salivation immediately post-dose	110, 122
83	Increased salivation immediately post-dose	112

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
85	Increased salivation pre-dose	113, 116-117
	Increased salivation immediately post-dose	10-12, 19-22, 28-41, 43-75,78-113, 116-121
86	Increased salivation pre-dose	25
	Increased salivation immediately post-dose	19, 23-25, 27, 33, 35, 38-40, 42, 46-48, 51-52, 54-57, 62-66, 68-74, 76-110, 112, 117-121
87	Increased salivation pre-dose	19-21, 23-24, 27-28, 30, 32, 34-63, 67-75, 80-83, 85-90, 93-102, 104-110, 112-113, 117-122, 124
	Increased salivation immediately post-dose	10, 14-122, 124
88	Increased salivation pre-dose	84, 88
	Increased salivation immediately post-dose	12, 20-21, 23-24, 30, 36, 38-42, 44-48, 50, 52-74, 76-113, 117-121
89	Increased salivation pre-dose	42, 113
	Increased salivation immediately post-dose	32, 34-37, 39-52, 54-65, 67-70, 72-113, 116-121, 124
90	Increased salivation pre-dose	37, 116
	Increased salivation immediately post-dose	20, 21, 24-25, 32-34, 36-38, 40-41, 43-48, 50, 66, 70, 73-77, 79-85, 87-110, 113-121
91	Increased salivation immediately post-dose	15-16, 20-21, 26-28, 32, 34, 37-38, 40-44, 47-48, 50-57, 62-65, 67-69
	Chromodacryorrhea	70
	Pilo-erection	70
	Decreased respiratory rate	70
	Laboured respiration	70
	Found dead	71

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
92	Increased salivation pre-dose	20-21, 32, 34-35, 37-38, 42, 52, 70, 95-98
	Increased salivation immediately post-dose	14-15, 17-25, 30-47, 49-70, 72-110, 112, 117-121
93	Increased salivation pre-dose	20-21, 45-46, 51-52, 64-65, 67-69, 73-74, 84, 85, 88-95, 111, 117
	Increased salivation immediately post-dose	10-13, 16-27, 30-123, 125
	Fur loss on head	111-113
	Fur loss on neck	114-126
94	Increased salivation immediately post-dose	16, 22-25, 27, 31-34, 37-43, 45-48, 51-61, 64-65, 67-110, 112, 117-120, 122-123
	Increased salivation pre-dose	122
95	Increased salivation pre-dose	50, 53-55, 74, 84-86, 88-92, 117, 121
	Increased salivation immediately post-dose	14, 16-17, 19-21, 26-27, 29, 32-33, 37, 39-41, 43-81, 83-112, 116-121
96	Increased salivation pre-dose	103
	Increased salivation immediately post-dose	11-13, 16, 18, 20-23, 25, 32, 33, 37-40, 42-49, 52, 54-61, 64-65, 67-72, 74-75, 78-89, 93-110, 118-121, 125
	Fur loss on neck	114-126
97	Increased salivation pre-dose	30, 33-35, 37, 42-44, 49-51, 53-57, 66-69, 74-75, 80-89, 93, 95, 102, 107, 111, 113-114, 116, 122-125
	Increased salivation immediately post-dose	10-16, 19-75, 78-102, 104-125
	Generalised fur loss	90-126
98	Increased salivation pre-dose	119-121
	Increased salivation immediately post-dose	22-27, 31, 40-41, 49-50, 54-55, 82-83, 86-87, 91-92, 94-110, 112-113, 118-121
	Fur loss on neck	90-126

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
99	Increased salivation pre-dose	73, 86, 93, 94
	Increased salivation immediately post-dose	17-19, 22-25, 30, 32-34, 37-40, 42-96, 99-103, 105-110, 113, 116-121, 125
100	Increased salivation pre-dose	23-24
	Increased salivation immediately post-dose	23-25, 34-35, 38, 40-42, 44, 48, 52-57, 62-65, 67-72, 74, 78-79, 82-83, 85, 89, 91-94, 96-97, 99-101, 103-112, 116, 118-121, 125
	Fur loss on neck	98-126
101	Increased salivation pre-dose	75, 102
	Increased salivation immediately post-dose	25, 26, 29, 32, 34-36, 38-77, 80-110, 112-113, 117-121, 125, 126
102	Increased salivation pre-dose	32, 37, 75, 80-83, 117-120
	Increased salivation immediately post-dose	10-15, 17-18, 22-27, 31-34, 36-71, 73-113, 116-121, 126
103	Increased salivation immediately post-dose	25, 26, 41, 44-48, 53-55, 73, 76-77, 89-92, 96-101, 103-112, 116, 118-121
104	Increased salivation pre-dose	29, 31-36, 41-49, 52, 54-55, 75, 103, 111-112, 116, 124
	Increased salivation immediately post-dose	10-13, 17-26, 29-55, 58-61, 65, 70-87, 89-113, 116-122, 124-126
105	Increased salivation pre-dose	121
	Increased salivation immediately post-dose	10-13, 22-27, 29, 33, 35-41, 43, 48, 50-57, 62-75, 78-79, 84-113, 116-121, 125-126
106	Increased salivation pre-dose	28
	Increased salivation immediately post-dose	28-29, 32, 37-71, 74-115, 117-121, 125, 126

Appendix 1 (continued) Individual Clinical Observations –Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
107	Increased salivation pre-dose	50, 54, 55, 116
	Increased salivation immediately post-dose	10-12, 19-26, 28, 33-34, 36-48, 50-71, 73-113, 116-121, 123, 125
108	Increased salivation pre-dose	42, 55
	Increased salivation immediately post-dose	37-40, 42, 48-49, 55, 62-65, 72, 74, 78-79, 84-89, 91-92, 96-101, 103, 105-110, 113, 118-121
109	Increased salivation pre-dose	40
	Increased salivation immediately post-dose	14-16, 20-21, 28, 30-34, 36-41, 44-50, 52, 54-57, 64-72, 74-75, 78-79, 82-85, 88-113, 117-121, 125, 127
110	Increased salivation pre-dose	80-83
	Increased salivation immediately post-dose	25, 28, 34, 38, 41, 43-72, 74-113, 116-121, 125-127
111	Increased salivation pre-dose	111, 117-118, 123, 127
	Increased salivation immediately post-dose	25-27, 32-37, 41, 43, 45-49, 53-55, 62-66, 70-74, 76-81, 83-112, 116-121, 123, 125, 127
112	Increased salivation pre-dose	90-92, 119, 123
	Increased salivation immediately post-dose	22-27, 30-33, 41, 43-49, 51, 53-57, 62-65, 67-74, 76-79, 83-113, 116-121, 123, 125-127

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
232	Hunched posture	126-130
	Pilo-erection	126-128
	Found dead	133
234	Increased salivation pre-dose	184, 213, 219
	Increased salivation immediately pose-dose	184, 189-190, 213, 219
251	Left ear swollen	239-247
252	Increased salivation pre-dose	133
	Increased salivation immediately post-dose	133

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
254	Staining around eyes	163
257	Increased salivation immediately post-dose	186
260	Increased salivation pre-dose	152, 157, 160, 163-164, 166, 169, 172, 184, 188
	Increased salivation immediately post-dose	152, 157, 160, 163-164, 166, 169, 172, 176-177, 179, 181, 184, 188-189, 193, 204
265	Increased salivation immediately post-dose	157
272	Increased salivation pre-dose	164
	Increased salivation immediately post-dose	164
273	Increased salivation immediately post-dose	199
274	Fur loss on abdomen	237-247
280	Increased salivation immediately post-dose	138

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 3 ♠ **DOSE LEVEL: 30 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
281	Increased salivation pre-dose	184, 185
	Increased salivation immediately post-dose	148, 155, 158, 159, 169-171, 177, 183-187, 203, 215, 228, 242
282	Increased salivation immediately post-dose	183, 233
284	Increased salivation immediately post-dose	162, 176, 178, 181, 182, 193, 203
285	Increased salivation immediately post-dose	157, 159, 169-171, 175, 177, 192, 194-196, 204, 228-232, 237-240
286	Increased salivation immediately post-dose	228, 234-236
287	Increased salivation immediately post-dose	173
288	Increased salivation immediately post-dose	193, 228
289	Increased salivation immediately post-dose	228, 234-236, 242-245
290	Increased salivation immediately post-dose	138, 178, 182
291	Increased salivation immediately post-dose	212, 241
293	Increased salivation pre-dose	156, 158, 163-164, 169-171, 173-174, 184-185, 187-189, 193, 202-203, 233
	Increased salivation immediately post-dose	155-159, 162-165, 167, 169-171, 173-179, 181-189, 192-194, 199, 202-204, 210, 215-216, 223-226, 229-233, 237-241, 243-245
294	Increased salivation immediately post-dose	167, 237-240
295	Increased salivation pre-dose	198
	Increased salivation immediately post-dose	169-171, 198, 229-232, 237-240

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
296	Increased salivation immediately post-dose	170, 181, 187, 189
297	Increased salivation immediately post-dose	162, 167
298	Increased salivation immediately post-dose	181, 186, 193, 204, 209, 233
302	Increased salivation immediately post-dose	159, 186
303	Increased salivation immediately post-dose	199, 212
305	Increased salivation immediately post-dose	162, 164-165, 173, 175, 234, 243-244
306	Fur loss on neck	216
	Generalised fur loss	228-247
307	Increased salivation immediately post-dose	212
	Generalised fur loss	228-247
308	Increased salivation immediately post-dose	233

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
309	Increased salivation pre-dose	145, 153-154, 156, 159-160, 163-164, 169-171, 173-177, 179-195, 199-200, 202-206, 208-210, 215-218, 221-222, 229, 233-234, 237, 241-244
	Increased salivation immediately post-dose	126, 128-134, 137-139, 142, 145-148, 153-243
310	Increased salivation pre-dose	243-244
	Increased salivation immediately post-dose	132-134, 151, 153-154, 156, 164-166, 171-173, 175, 181, 186, 192, 195-196, 201, 205, 208-209, 217-227, 229-233, 237-243
	Tip of tail – necrotic-like area	140-152
311	Increased salivation pre-dose	181-182, 187, 198-199, 203, 205-207, 211, 215, 233, 243-244
	Increased salivation immediately post-dose	128-134, 137, 140-141, 145, 153-157, 159-165, 172-182, 184-187, 189-209, 211-212, 215-227, 229-243
312	Increased salivation pre-dose	217-218, 243-244
	Increased salivation immediately post-dose	128-134, 137, 139, 153-154, 164-166, 171-172, 175, 181, 189, 193, 195-196, 200-202, 209, 217-218, 224-227, 229-233, 237-243
313	Increased salivation pre-dose	153, 154, 188, 193, 243-244
	Increased salivation immediately post-dose	130-134, 140, 141, 145, 147-148, 153-154, 156-157, 159-160, 163-165, 168, 172-182, 184-191, 193-196, 198-220, 222-244
314	Increased salivation pre-dose	153-154, 191, 233-234, 241-242
	Increased salivation immediately post-dose	137-140, 142, 145-148, 153-157, 159-163, 165-168, 172-196, 198-202, 204-206, 209-215, 217-221, 226-244

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
315	Increased salivation immediately post-dose	125, 127, 132-134, 141, 146-147, 154, 163-168, 173-174, 179-181, 184, 185, 187, 189, 192-193, 197-198, 200-202, 204-205, 208-209, 213-215, 222-244
	Staining around eyes	163
316	Increased salivation pre-dose	153-154, 160, 172-174, 176, 186, 188, 193-195, 199, 202, 203, 205, 207, 212-215, 233, 241-244
	Increased salivation immediately post-dose	134, 136-137, 140, 142-148, 153-178, 181-209, 211-215, 217-244
317	Increased salivation immediately post-dose	130-134, 137, 139-141, 146, 153-157, 159-162, 164-165, 168-171, 173-174, 183-192, 197-201, 204-209, 211-214, 217-221, 229-245
318	Increased salivation pre-dose	164, 199, 206, 215, 229, 230, 234, 241-242
	Increased salivation immediately post-dose	127-134, 140-142, 145-148, 151, 153-181, 183-191, 193-245
319	Increased salivation pre-dose	148, 153-154, 159-160, 163, 165-168, 172-175, 187, 193, 200, 203, 205, 213-214, 234
	Increased salivation immediately post-dose	128-134, 136, 140-144, 146-151, 153-181, 183-196, 199-209, 211-214, 216-238, 241, 242
	Laboured respiration	239-244
	Pilo-erection	240-244
	Staining around eyes	240-244
	Hunched posture	240-241
320	Increased salivation pre-dose	184, 185, 206, 210, 233, 241-244
	Increased salivation immediately post-dose	125, 127-134, 136-137, 140-142, 145-148, 153-161, 163-176, 178-181, 183-196, 199-202, 204, 206-218, 221-245

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
321	Increased salivation immediately post-dose	125, 127, 135-136, 146, 164-165, 167-168, 175-176, 184-185, 189, 197, 222-228, 231-240, 242-245
322	Increased salivation immediately post-dose	128-134, 140-141, 145-151, 153-154, 156, 159-166, 170-176, 179-200, 202, 204-209, 211, 213-214, 216-220, 229-233, 235-245
323	Increased salivation immediately post-dose	127-134, 136, 139, 145-147, 151, 156, 164-165, 175, 178-181, 184-186, 190, 191, 200-202, 211-212, 229-245
324	Increased salivation pre-dose	156, 242
	Increased salivation immediately post-dose	127-134, 136, 145-147, 151, 153-156, 159-160, 163-170, 172-173, 176, 178, 181-182, 184-187, 189-192, 194-198, 200-202, 204-205, 207, 211-214, 221, 229-232, 234-240, 242-245
325	Increased salivation pre-dose	186, 193, 228
	Increased salivation immediately post-dose	125, 128-134, 136-139, 146-148, 153-157, 159-176, 182-183, 186-191, 193-196, 200-204, 207-211, 213-214, 216-232, 234-245
326	Increased salivation pre-dose	153-154, 160, 164, 172, 174, 193, 199, 233, 241, 243-244
	Increased salivation immediately post-dose	126, 128-134, 136, 138-139, 141, 145-148, 153-157, 159-197, 199-202, 204-233, 235-245
327	Increased salivation pre-dose	160, 172, 174, 181, 184-185, 190-191, 199, 202-203, 205-206, 208-209, 233, 241, 243-244
	Increased salivation immediately post-dose	129-134, 137, 140, 145-147, 153-165, 167-245
328	Increased salivation pre-dose	244
	Increased salivation immediately post-dose	128-134, 137, 147-148, 153-154, 156, 159-162, 164-166, 169-173, 175-177, 182-187, 189-191, 193-196, 199-201, 204-205, 207, 209-210, 213-214, 216-218, 220-233, 235-240, 242-245
329	Increased salivation immediately post-dose	126, 128-136, 141, 144-147, 152-154, 156, 159, 164-165, 168, 172-173, 176, 177, 186, 205-206, 209, 216, 218-220, 222-246

Appendix 1 (continued) Individual Clinical Observations –Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Clinical Signs (Day of Onset and Completion)	
330	Increased salivation pre-dose	146, 153-154, 156, 158-159, 161, 163-164, 173-174, 176-177, 179-182, 184, 186-190, 192-195, 199, 200, 203, 205, 208-219, 221-222, 228-230, 233-234, 241-244
	Increased salivation immediately post-dose	128-139, 141-143, 145-148, 153-196, 199-246
331	Increased salivation pre-dose	154, 160, 211, 219, 233, 241-244
	Increased salivation immediately post-dose	132-134, 144, 146-147, 153-154, 160, 163-168, 172-174, 176-177, 181, 183-187, 189, 192, 194-199, 202-246
332	Increased salivation pre-dose	152-154, 156, 159, 160, 164, 166, 172-174, 184-185, 198, 206, 217, 218, 233, 242
	Increased salivation immediately post-dose	126, 128, 130-135, 137-139, 142-143, 145, 147-148, 152-175, 178-196, 198-202, 204-246
333	Increased salivation immediately post-dose	129, 132-134, 140, 146-147, 153-154, 156-157, 159, 161-166, 169-174, 176-178, 181-187, 190-196, 200-201, 204-206, 208-209, 211, 213-216, 219-220, 222-246
334	Increased salivation immediately post-dose	135, 141, 145, 147, 153-154, 159-160, 163-165, 172-175, 178, 180, 182-183, 187, 190-191, 193, 200-201, 205, 207-211, 213-218, 221-246
335	Increased salivation pre-dose	197, 242
	Increased salivation immediately post-dose	141, 146, 153-154, 161, 163, 165-166, 172-174, 176-179, 182-183, 187-189, 192-197, 199-202, 204-205, 208-209, 211, 213-215, 217-218, 222-233, 235-246
336	Increased salivation pre-dose	146, 153-154, 156, 158-162, 166, 172, 174, 177, 182, 187, 189-190, 193-195, 198-199, 202-203, 205, 210-214, 222, 229, 233-234, 241-243
	Increased salivation immediately post-dose	125, 127-128, 135, 138-140, 142-246

Appendix 2 Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
113	Increased salivation pre-dose	103
	Increased salivation immediately post-dose	103
120	Mass under left arm	104-118
122	Killed *in extremis*	102
123	Increased salivation immediately post-dose	100, 101
139	Fur loss on neck	106-107
	Generalised fur loss	107-122
140	Generalised fur loss	97-119
113	Increased salivation pre-dose	103

Appendix 2 (continued) Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
141	General thinning of fur	75-82
142	Generalised fur loss	69-74
	General thinning of fur	75-88
	Increased salivation immediately post dose	95, 101
143	Generalised fur loss	69-74, 91-118
	General thinning of fur	75-90
	Increased salivation immediately post dose	95
147	Increased salivation immediately post-dose	85-86
149	Increased salivation immediately post dose	105
150	Increased salivation immediately post-dose	116, 121
	Fur loss abdomen	116-121
153	Fur loss neck	102-119
158	Increased salivation immediately post-dose	106, 113-115
161	Increased salivation immediately post-dose	102
	Generalised fur loss	98-119
164	Increased salivation immediately post-dose	94
166	Increased salivation immediately post dose	89-90

Appendix 2 (continued) Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
169	Increased salivation immediately post-dose	87
171	Increased salivation immediately post-dose	83, 84, 92, 96-97, 99-101, 103-105, 113-115
	Generalised fur loss	89-118
173	Increased salivation immediately post dose	116
175	Increased salivation immediately post-dose	38-39, 116
177	Increased salivation immediately post-dose	99
178	Increased salivation immediately post-dose	104, 116
179	Increased salivation immediately post-dose	21, 72
182	Fur loss abdomen	89-90
	Generalised fur loss	91-120
184	Increased salivation immediately post-dose	24, 87-88, 94, 101, 104, 105, 117
187	Increased salivation immediately post dose	92-93, 100, 115
188	Mass on right shoulder	103-119
189	Increased salivation immediately post-dose	107, 113, 117
191	Increased salivation immediately post-dose	24, 87
193	Increased salivation immediately post dose	97
195	Increased salivation immediately post dose	115

Appendix 2 (continued) Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
197	Increased salivation pre-dose	17, 35-36, 65-66, 69-70, 72, 119-120
	Increased salivation immediately post-dose	16-27, 29-59, 61-78, 83-100,102-121
198	Increased salivation pre-dose	33, 69-70, 72, 119
	Increased salivation immediately post-dose	16-24, 27, 28, 33-40, 42, 45-57, 60-98, 99-119
199	Increased salivation pre-dose	65, 69-71, 73-74
	Increased salivation immediately post-dose	13, 15, 21-23, 32-43, 45-59, 61-83, 85-100, 102-120
200	Increased salivation immediately post dose	14, 33, 35-36, 39, 49, 51, 60, 66, 68, 90, 93, 95-96, 105, 109-119
201	Increased salivation pre-dose	119
	Increased salivation immediately post-dose	21-23, 36, 66, 72, 85-86, 89-98, 100-119
202	Increased salivation immediately post-dose	35-36, 43, 52-57, 61-66, 69-78, 87-90, 93-97, 99-118
203	Increased salivation immediately post dose	19, 36, 51, 66, 85-86, 89-99, 101-118
204	Increased salivation pre-dose	30, 40, 56-57, 65
	Increased salivation immediately post-dose	18-19, 21-23, 28-30, 32-38, 40-44, 50, 56-66, 69-78, 83-99, 101-119
	Generalised fur loss	91
205	Increased salivation immediately post-dose	29, 65-66, 82, 94-95, 101, 103-118
206	Increased salivation pre-dose	119-120, 122
	Increased salivation immediately post-dose	16-20, 25-27, 32, 34-39, 41-43, 50-60, 63-64, 66-74, 77-89, 91-101, 103-120, 122
	Fur loss on abdomen	83-93
	Generalised fur loss	94-122

Appendix 2 (continued) Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 4 ♠ **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
207	Increased salivation immediately post-dose	26-27, 39, 49, 66, 93, 96, 99-118
208	Increased salivation pre-dose	61, 62, 65, 67, 69-70, 73-74
	Increased salivation immediately post-dose	16-18, 24, 26-27, 31-81, 83-89, 91-99, 101-120
209	Increased salivation immediately post-dose	16-17, 23, 35-36, 38-40, 51-55, 58-64, 66-70, 72-78, 83-98, 100-120
	Fur loss on neck	107-120
210	Increased salivation pre-dose	30, 37-39, 43, 58-60, 65, 69-71, 73
	Increased salivation immediately post-dose	13, 15, 18-21, 24-44, 52-78, 83-99, 101-119
211	Increased salivation pre-dose	69-70
	Increased salivation immediately post-dose	16-20, 24-27, 37-43, 49-57, 60-71, 73-81, 83-97, 99-109, 111-118
212	Increased salivation pre-dose	69-70, 119
	Increased salivation immediately post-dose	20, 34, 43, 52-60, 65, 66, 69-78, 83-99, 101-121
213	Increased salivation pre-dose	56-57, 61-62
	Increased salivation immediately post-dose	14-15, 21-23, 28-29, 33-36, 40, 42-49, 51, 56-69, 71-83, 85-98, 100-119
	Generalised fur loss	83-119

Appendix 2 (continued) Individual Clinical Observations – Females
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
214	Increased salivation immediately post-dose	13, 15, 28, 29, 66, 70, 80-82, 85, 86, 88-91, 93-97, 99-118
	Generalised fur loss	69-90
215	Increased salivation immediately post-dose	21-23, 25-27, 34-37, 39-40, 49, 51, 56-57, 59, 60, 64, 66, 69-77, 80, 85-96, 110-118
	Fur loss on abdomen	56-64
	Generalised fur loss	65-104
216	Increased salivation immediately post-dose	14, 19, 25-27, 58-60, 66, 70, 82, 85-99, 101-119
	Generalised fur loss	65-102
	Corneal opacity in left eye	113-121
217	Increased salivation pre-dose	26, 30-34, 38-43, 45, 56-59, 61-65, 69-72, 75, 76, 119
	Increased salivation immediately post-dose	13, 16-24, 26-28, 30-50, 52-54, 56-91, 93-105, 107-109, 111-119, 121, 125, 126
	Fur loss on neck	108-122
	Fur loss on ventrum	123-126
218	Increased salivation immediately post-dose	51, 64, 66, 76, 79-82, 89, 90, 92-96, 101-118
	Mass on right side of face	113-118
219	Increased salivation immediately post-dose	31, 32, 34, 66, 72, 85, 86, 88-90, 92-98, 100-118

Appendix 2 (continued) Individual Clinical Observations – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
220	Increased salivation pre-dose	35-36
	Increased salivation immediately post-dose	34, 37, 51-54, 66, 71-74, 83-97, 99-118
221	Increased salivation immediately post dose	15, 25-27, 35-36, 41-42, 49, 51-55, 66, 68-72, 73-78, 84, 87-108, 110-120, 122
222	Increased salivation pre-dose	49, 67, 69-72, 74
	Increased salivation immediately post-dose	13, 18-23, 25-28, 34-50, 52-57, 61-81,83-98, 100-108, 110-118
223	Increased salivation pre-dose	63-64
	Increased salivation immediately post-dose	13, 15, 18-26, 28, 31, 35-43, 45-49, 51-57, 61-81, 83-100, 102-119
	Hunched posture	109
224	Increased salivation pre-dose	18, 21-24, 36, 38, 39, 41, 42, 56, 63, 64, 67, 69-74, 121-122
	Increased salivation immediately post-dose	13-14, 18, 20-26, 28-29, 31-43, 45-49, 52-57, 61-101, 103-108, 110-119, 121, 122
	Generalised fur loss	74-82

Appendix 2 (continued) Individual Clinical Observations – Females

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
339	Mass on right shoulder region	217-239
341	Increased salivation immediately post dose	137
345	Tip of tail damaged	146, 148-240
348	Found dead	180
350	Generalised fur loss	226-227
361	Staining around eyes	232-234, 236
362	Fur loss on thorax	237-239
	Hunched posture	127
	Pilo-erection	127

Appendix 2 (continued) Individual Clinical Observations – Females
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
366	Found dead	151
367	Increased salivation immediately post-dose	219
369	Increased salivation immediately post-dose	218
372	Increased salivation immediately post-dose	238
377	Found dead	188
378	Increased salivation immediately post-dose	219
386	Tip of tail damaged	159-240
389	Increased salivation immediately post-dose	218-219

Appendix 2 (continued) Individual Clinical Observations – Females
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
394	Increased salivation immediately post-dose	206
	Fur loss on thorax	228-240
395	Increased salivation immediately post-dose	143, 202, 205-206, 218, 219
396	Increased salivation immediately post-dose	217, 219-222, 228
397	Increased salivation pre-dose	142, 144, 146, 151, 153-156, 159, 173, 178-179, 184, 186-187
	Increased salivation immediately post-dose	140-144, 146-148, 150-151, 153-156, 159-161, 164, 169-171, 173-174, 176-179, 182, 184-188, 193, 207-209, 214-215, 228
398	Increased salivation immediately post-dose	140, 150, 186-187, 218
399	Increased salivation immediately post-dose	143-144, 148, 153, 156, 161, 207-209, 228-230
401	Increased salivation immediately post-dose	202, 214, 218-219
402	Increased salivation immediately post-dose	139, 141-144, 214, 218
403	Increased salivation immediately post-dose	176-177, 193, 219-222
	Generalised fur loss	206-237
404	Increased salivation immediately post-dose	143, 176-177
	Staining around the snout	231-240
405	Increased salivation immediately post-dose	143, 147, 150, 153, 156, 161, 171, 207
406	Increased salivation immediately post-dose	150, 181, 193, 196-200, 230
	Staining around eyes	232-236

Appendix 2 (continued) Individual Clinical Observations – Females
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
407	Increased salivation immediately post-dose	143, 156, 209, 220-222, 218, 237-238
408	Increased salivation immediately post-dose	208-209
409	Increased salivation immediately post-dose	172, 196-197, 219-222, 231
410	Increased salivation immediately post-dose	143, 217-222
411	Increased salivation immediately post-dose	202, 220-222, 230
412	Increased salivation immediately post-dose	157, 220-222
413	Increased salivation immediately post-dose	217
414	Increased salivation immediately post-dose	143, 147, 150, 156, 164, 178, 186-187, 193, 228
415	Increased salivation pre-dose	216
	Increased salivation immediately post-dose	164, 174, 185, 216
416	Increased salivation immediately post-dose	150, 157-158, 218, 228
417	Increased salivation immediately post-dose	213, 218, 229, 231
418	Increased salivation immediately post-dose	139, 143, 147
419	Increased salivation immediately post-dose	147, 160, 207
420	Increased salivation immediately post-dose	197

Appendix 2 (continued) Individual Clinical Observations – Females

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
421	Increased salivation pre-dose	209, 231
	Increased salivation immediately post-dose	127-128, 135-136, 138-139, 145, 150, 153, 155-156, 161-163, 167-168, 173, 176-177, 183, 186-187, 191, 193-201, 209-212, 216, 223, 225, 228, 231, 235, 237-239
	Mass on right shoulder	230-239
422	Increased salivation immediately post-dose	128, 139, 142-150, 153-154, 162-163, 165-174, 181, 183-185, 193, 197, 208-209, 212, 214-216, 218-222, 224, 227-235, 237
423	Increased salivation pre-dose	156
	Increased salivation immediately post-dose	127, 129, 131, 137-139, 142-156, 159, 161-163, 165-168, 170-173, 176, 178-179, 183-187, 189-203, 205-206, 208-210, 216, 218-222, 225-227, 230, 233-240
424	Increased salivation immediately post-dose	124, 127, 138-140, 145, 146, 148, 149, 154-156, 163, 165-168, 173, 182, 184, 185, 188, 190, 192, 193, 202, 203, 205, 210, 212, 223, 225, 226, 228, 230-232, 235, 237
425	Increased salivation immediately post-dose	124, 127, 138-140, 143, 146-148, 155, 156, 159, 160, 162, 165-168, 173, 180, 181, 185, 190-203, 205-210, 212-216, 218, 220-224, 226-239
426	Increased salivation pre-dose	228
	Increased salivation immediately post-dose	127, 142, 143, 149, 158, 163, 165-168, 170, 171, 184, 186, 187, 212, 216, 221-223, 226-240
427	Increased salivation immediately post-dose	125, 127, 132, 149, 163, 173, 213-215, 217, 221, 222, 229, 231, 235-240
428	Increased salivation immediately post-dose	124, 127, 128, 138, 139, 143, 146-148, 153, 163, 173, 180, 191, 210, 211, 216, 221, 222, 225-227, 229, 231-240
429	Increased salivation pre-dose	197
	Increased salivation immediately post-dose	144, 145, 154, 156, 163, 166, 168, 173, 180, 181, 185-187, 190, 194-201, 207, 210, 212-215, 220-222, 225, 226, 229, 231-233, 235-238

Appendix 2 (continued) Individual Clinical Observations – Females
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Clinical Signs (Day of Onset and Completion)	
430	Increased salivation pre-dose	142, 154, 173, 183, 191, 204, 210, 229, 236
	Increased salivation immediately post-dose	124, 127-128, 138-140, 142-146, 148-150, 153-156, 159-163, 165-166, 168, 172-174, 178-179, 181-183, 185-187, 189, 191-201, 204, 207, 210, 212, 216, 224, 227-239
431	Increased salivation immediately post-dose	128, 137, 140, 142, 144-145, 148, 150, 156, 161, 163-164, 166, 168-170, 172-173, 186-187, 206-207, 210, 212, 217, 221-222, 224-226, 228, 230-240
432	Increased salivation pre-dose	232
	Increased salivation immediately post-dose	128-134, 138-140, 142, 144-145, 148, 150, 153, 155-157, 159-166, 168-173, 178-187, 190-192, 202-206, 211-213, 218, 225-226, 232-240, 242, 245, 249
433	Increased salivation pre-dose	140-142, 148, 150-151, 153-157, 159-162, 164-170, 172-174, 176, 180-183, 185-193, 197, 204, 207, 212-213, 216, 223-225, 227, 229-230, 232, 234
	Increased salivation immediately post-dose	127-129, 131-157, 159-195, 197, 202-216, 218, 219, 223-237
	Generalised fur loss	120-136
434	Increased salivation pre-dose	165-168, 180, 207
	Increased salivation immediately post-dose	124, 127-128, 134, 137, 140, 142-145, 148, 149, 153-156, 160-182, 185-188, 190-195, 207-217, 219, 224-225, 227, 229-233, 236-238
435	Increased salivation pre-dose	186, 187, 191
	Increased salivation immediately post-dose	124, 126-140, 142-150, 153-156, 161-169, 172-179, 181-182, 184-201, 204, 206, 209, 212, 216, 223-225, 230, 232
	Laboured respiration	233
	Found dead	234
436	Increased salivation immediately post-dose	125, 128-130, 132-134, 137-139, 142-146, 148-150, 153-156, 161-174, 176-177, 181-188, 190, 192-206, 208-209, 211-213, 216, 218-219, 223-228, 230-240

Appendix 2 (continued) Individual Clinical Observations – Females

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
437	Increased salivation pre-dose	127, 140-142, 146, 148, 151, 153-155, 157-158, 160, 165, 173-174, 176, 180, 186-187, 190, 192, 211, 230-231
	Increased salivation immediately post-dose	127-132, 136-201, 208-212, 216-217, 223-224, 226, 229-235
438	Increased salivation pre-dose	142
	Increased salivation immediately post-dose	137, 142, 147-150, 163, 166-168, 183, 188, 204-205, 207, 212, 214-217, 233, 235
439	Increased salivation pre-dose	191
	Increased salivation immediately post-dose	128, 138-140, 142, 146, 148, 149, 153, 155, 162, 163, 165-168, 174, 183, 185, 189, 191-192, 206, 212, 216-217, 224, 226-227, 232-235
440	Increased salivation pre-dose	148, 154, 163, 213
	Increased salivation immediately post-dose	124, 127-130, 141-146, 148-152, 154-157, 159-168, 173, 174, 176, 177, 180, 182-187, 189-201, 204, 206, 208-218, 225, 227, 230, 232, 234

Appendix 2 (continued) Individual Clinical Observations – Females
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Clinical Signs (Day of Onset and Completion)	
441	Increased salivation pre-dose	165
	Increased salivation immediately post-dose	126, 129-134, 137-140, 143, 146, 148, 153, 155, 161-163, 165-172, 176-177, 180-181, 184-185, 188-191, 193, 202-203, 205-206, 210
	Hunched posture	212-213
	Lethargy	212-213
	Laboured respiration	212-213
	Staining around snout	212-213
	Staining around mouth	212-213
	Chromodacryorrhea	212
	Staining around eyes	213
	Emaciated	213
	Bleeding from vagina	213
	Killed *in extremis*	213
	Pilo-erection	212-213
	Decreased respiration	213
442	Increased salivation pre-dose	137, 146, 155, 159, 165, 172, 184
	Increased salivation post dose	129-139, 142-150, 153-156, 159, 161-172, 175-179, 181-182, 184-195, 197, 207, 209, 211-216, 223, 226, 227, 231, 233-235

Appendix 2 (continued) Individual Clinical Observations – Females

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Clinical Signs (Day of Onset and Completion)	
443	Increased salivation pre-dose	163, 172
	Increased salivation immediately post-dose	128-134, 137-138, 140, 142, 146-149, 153-156, 159, 161-163, 165-168, 172-173, 176-177, 181, 184-188, 193, 198-201, 207, 211-213, 216, 224-225, 228, 233-239
444	Increased salivation pre-dose	148, 159
	Increased salivation immediately post dose	129-134, 139-140, 142-144, 146-150, 153, 155, 156, 159-163, 165-170, 173, 176-177, 186-187, 189-191, 193, 196-206, 210, 212, 214-217, 224, 226-229, 231-235, 237-240
445	Increased salivation pre-dose	157, 158, 191, 223, 224, 231, 235, 236
	Increased salivation immediately post-dose	124, 129-134, 137-140, 142, 144, 146, 149-150, 154-155, 157-160, 162-163, 165-168, 172-173, 181-182, 184-186, 188-205, 207-210, 212-218, 222-229, 231-241
	Fur loss on face	182-212, 216-226
446	Increased salivation pre-dose	231
	Increased salivation immediately post-dose	126, 128, 133-134, 136, 138-139, 143-145, 147-149, 155, 158, 163, 167-168, 182, 203, 207, 213, 227-228, 231-235, 237-240
447	Increased salivation immediately post-dose	131-134, 140, 145, 148-149, 163, 167-168, 193, 203, 206, 209, 212, 216, 218, 225-226, 229-234, 236-240
	Fur loss on face	182-212, 216-226
448	Increased salivation pre-dose	130, 180, 225, 229, 231, 233, 235
	Increased salivation immediately post-dose	127-135, 137-139, 142-150, 154-155, 160, 162-177, 180-182, 184-186, 188-191, 194-201, 203, 204, 206-211, 213, 217, 220-227, 229-231, 233-235
	Fur loss on face	182-212, 216-226

Appendix 3 Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
113	15	Female	Small	8
114	8	Male	Weak, no milk in stomach	1
115	-	Female	Subcutaneous haemorrhage on snout	PD1
	-	-	Whole litter cold	2
116	1	Male	Breathing from abdomen, no milk in stomach, small	8
117	11	Male	Small	7
	13	Female	Small	7
120	8	Male	Small, weak, no milk in stomach, breathing from abdomen	9
121	10, 16	Female	Subcutaneous haemorrhage on back between shoulders	4
	4	Male	Pale	4
	1,3,8,7,9	Male	No milk in stomach	5
	5	Male	Cold, weak, no milk in stomach	5
	13	Female	No milk in stomach	5
	14	Female	Small, weak	8
124	5	Male	Small	10
125	3	Male	Small	4
	5	Male	Small	9
	12	Female	Small	9
126	4	Male	No milk in stomach	7
	4	Male	No milk in stomach, weak, small, breathing from abdomen	8

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
128	2	Male	Small	7
	2	Male	Small, pale	9
131	6	Female	Bruising of left ear	7
136	3	Male	No milk in stomach	5
	5	Male	Cold, no milk in stomach	7
	3	Male	Small	7
	16	Female	Small	7
	8	Male	Cut on right hind limb	7
	9	Male	Small	8
	3	Male	Small, cold	11
	3,9	Male	Weak, no milk in stomach	12
137	8	Male	Small	1
	8	Male	Small, no milk in stomach	5
	11	Female	Small, no milk in stomach	8
	11	Female	Small, no milk in stomach, weak	9
138	1	Male	Weak	4
	17	Female	Abdomen bloated	6
	13	Female	Small, weak, no milk in stomach	6
	3	Male	Small, weak, no milk in stomach	7
	10,13	Female	Small, weak, no milk in stomach	7

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
139	-	Male	Subcutaneous haemorrhage around left ear	PD1
	7	Female	Small	7
	10	Female	Small, cold	10
	12	Female	Abdomen bloated	10
	10,14	Female	Weak	11

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
143	5	Male	Damage to tip of tail	4
144	6,12	Female	Pale	2
	12	Female	Small, no milk in stomach	7
147	14	Female	Small	5
149	9	Male	Small	10
150	4	Male	No milk in stomach	5
	4	Male	Small	15
153	Whole litter		Lethargic	1
154	-	Male	Subcutaneous haemorrhage on snout	PD1
155	-	Male	Cold	PD1
	-	Female	Cold	PD1
159	13	Female	Small	4
160	1	Male	Cold, no milk in stomach	4
	15	Female	Small, weak	5
	15	Female	Breathing from abdomen	6
	1,2	Male	Cold	7
	15	Female	Small, cold	7
161	12	Female	Subcutaneous haemorrhage on abdomen	1
	14	Female	Small	7
163	10	Female	Cold	4

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
164	6	Male	Small	9
165	13	Female	Small	13
	13	Female	Small, fur loss on head	17
166	-	Male	Subcutaneous haemorrhage on back of neck	PD1
	3,6	Male	Small	5
	14	Female	Small	5
	14	Female	Small, no milk in stomach	7
	14	Female	Small, no milk in stomach, weak	10
168	17	Female	Small	5
	18	Female	Small	7
	13	Female	Small, no milk in stomach	8
	11	Female	Small	14

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
173	14	Female	Small	8
	9	Female	Small	10
	8	Female	Small, cold	14
174	16	Female	Small	9
178	12	Female	Small	1
	5	Male	Cold	10
	4	Male	Small, cold	10
179	3	Male	Small	5
	12	Female	Small, weak	11
	3	Male	Small, weak, no milk in stomach, breathing from abdomen	12
180	13	Female	Small, weak, no milk in stomach	2
181	-	-	One pup found dead – subsequently cannibalised by dam. No other offspring born	PD1
182	9	Female	Pale	7
	15	Female	Small	7
	5	Male	Small, pale, weak	9
	15	Female	Small, pale, cold, weak	9
	10	Female	Small, pale, weak	11
183	3	Male	Small	7
	14,16	Female	Small	7
186	6	Male	Small	7

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) **Individual Clinical Observations – Offspring**

(a) $F_0 - F_1$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
191	15	Female	Small	9
192	-	Female	Small, weak, subcutaneous haemorrhage on head	PD1
193	12	Female	Small	4
	4	Male	Weak	10
	8	Female	Weak	10
195	11	Female	Small	5
196	5	Male	Small, pale, weak, breathing from abdomen	7
	5	Male	Small, pale, weak, breathing from abdomen, no milk in stomach	8
	7	Female	Small, weak	11

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
197	14	Female	Weak, cold, small	7
	6	Male	Small, pale, weak	10
199	3	Male	Weak, small	12
201	3	Male	Scab on top of right fore leg	8
	10	Female	Small, weak	10
	6	Female	Bloated	10
	2	Male	Small	14
202	7	Male	Cold	4
	8,12	Female	Cold	4
	7	Male	Cold	8
	5	Male	Small	14
	10	Female	Small	14
203	2	Male	No milk in stomach	5
	2,3	Male	No milk in stomach	6
	12	Female	Cold, pale	6
	13	Female	Cold, no milk in stomach, weak	6
	14	Female	Cold, no milk in stomach	6
	16	Female	No milk in stomach	6
	3	Male	Small, weak	7
	12, 14	Female	Small, weak	7
	4	Male	Weak	19

Appendix 3 (continued) **Individual Clinical Observations – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
205	1	Male	Small	1
	17	Female	Subcutaneous haemorrhage on snout	1
	1	Male	Small, no milk in stomach, weak	2
	5	Male	Small	4
	5	Male	Small, weak, no milk in stomach	7
	5	Male	Small, weak, no milk in stomach	8
206	9	Female	Small, no milk in stomach	5
	6	Male	Small	12
	6	Male	Small, abdomen distended	14
207	7	Female	Small	14
211	5	Male	Two wounds on underside of jaw	9
212	13	Male	Breathing from abdomen, pale	4
	13	Male	Breathing from abdomen, pale, small, weak, no milk in stomach	5
	3	Male	Small, no milk in stomach	7
	14	Female	Small, weak, no milk in stomach, pale	8
	2,4	Male	Small, pale, weak	9
	12	Male	Small	11
213	-	Female	Subcutaneous haemorrhage on snout	PD1
	8	Female	Subcutaneous haemorrhage on snout	1
	11	Female	Small, cold, no milk in stomach	7
	10	Female	Small	10
	2,5	Male	Generalised fur loss	20
	11,12	Female	Generalised fur loss	20

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
214	-	Male	Subcutaneous haemorrhage on left hind limb	PD1
216	13	Female	Small	4
217	-	Male	Subcutaneous haemorrhage on snout	PD1
	7	Male	Subcutaneous haemorrhage on snout and neck	1
	11	Female	Damage to tip of tail	1
220	4	Male	Small, weak, no milk in stomach, breathing from abdomen	8
221	-		Whole litter – no milk in stomach	PD1
222	1	Male	Small, weak, no milk in stomach	7
	11	Female	No milk in stomach	7
	7	Male	Small	8
	8	Female	Small, weak, pale	9
	14	Female	Small	10
	6	Male	Small	14
223	14	Female	Small	10
224	5,8	Female	Small	3

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
338	7	Male	Small, weak, no milk in stomach	5
	13	Female	Small, weak, no milk in stomach, cold	6
343	16	Female	Small	7
344	-	Male	Subcutaneous haemorrhage on snout	PD1
347	3	Male	No milk in stomach	5
	3	Male	Small	7
	14,15	Female	Small	12
	14	Female	Weak, no milk in stomach	15
350	11	Female	Swollen/domed head, cut on forehead, laboured breathing (Killed *in extremis*)	10
353	11	Female	Small	14

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(b) F_1 – F_2 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
367	9	Male	Small, pale, weak	11
373	2	Male	Small	7
376	2	Male	Small	6
383	3	Male	Small	7
386	13	Female	Small	7
387	6	Male	Growth on left side of lip	9
390	-	Male	Small	PD1

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) Individual Clinical Observations – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
396	-	Male	No milk in stomach, cold, weak, pale	PD1
399	17	Female	Small, cold, weak, no milk in stomach	9
400	-	Male	Subcutaneous haemorrhage on right side of face, subcutaneous haemorrhage on left front foot	PD1
	10	Female	Front left paw damaged, cut on right side of face	4
	6	Male	Cold and weak	6
	4	Male	Small	14
	4	Male	Cold, weak	15
403	13	Female	Small	17
408	12	Female	Small	3
413	10	Female	Cold	2
414	18	Female	Small	13
419	13	Female	Small	3

- = Not applicable
PD1 = Pre-day 1

Appendix 3 (continued) **Individual Clinical Observations – Offspring**

(b) F_1 – F_2 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Offspring number	Offspring sex	Observation	Day *Post Partum*
421	16	Female	Small	12
	-	-	Whole litter cold	1
	2	Male	Cold	2
	12	Female	Cold	2
	11	Female	Small	10
426	1	Male	Atretic tail, hind limbs mal-rotated	1
	1	Male	Small	5
	1	Male	Cold, weak, no milk in stomach	6
431	2	Male	Subcutaneous haemorrhage on ventrum	1
	1, 3	Male	Cold	2
	9	Female	Cold	2
	4	Male	Cold	3

Appendix 4 Individual Bodyweights (g)- Males

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
1	212	275	333	382	427	454	474	497	520
2	238	307	368	428	469	513	544	579	608
3	215	282	342	391	430	466	496	522	544
4	187	239	289	335	380	415	441	466	485
5	193	250	294	331	366	390	408	414	431
6	206	269	328	380	430	462	491	513	535
7	242	323	396	455	509	553	590	613	641
8	220	291	350	394	439	475	507	532	554
9	215	284	344	396	454	485	512	535	543
10	236	304	364	419	476	521	552	585	603
11	197	256	313	354	398	432	451	479	495
12	217	285	338	395	436	467	491	519	539
13	222	283	343	384	424	443	471	488	512
14	213	267	314	350	387	421	447	474	499

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
1	538	556	561	555	557	557	567	579	586
2	632	646	648	667	677	682	688	707	722
3	571	585	578	586	612	620	639	650	665
4	507	515	529	531	549	562	571	586	597
5	457	473	468	488	488	499	514	524	531
6	557	578	578	571	578	589	587	604	613
7	666	677	668	691	695	704	716	723	728
8	572	589	592	599	605	625	635	659	664
9	566	585	572	575	594	605	614	624	631
10	628	638	636	644	664	691	703	709	721
11	501	523	516	523	529	552	565	558	564
12	554	561	562	562	577	597	610	623	635
13	536	547	542	535	543	558	564	583	588
14	520	535	530	536	551	561	572	579	581

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
15	213	279	343	386	435	460	486	516	535
16	183	238	296	354	399	441	474	500	535
17	223	285	330	372	401	424	450	468	490
18	217	277	334	384	412	440	457	482	499
19	175	230	280	329	364	396	414	440	458
20	199	266	316	363	407	440	464	491	511
21	209	272	328	374	417	449	477	503	521
22	220	291	341	382	419	448	466	490	502
23	198	261	315	355	386	414	433	456	469
24	229	299	358	412	455	488	517	536	569
25	198	252	304	348	383	414	436	458	471
26	222	288	350	394	444	462	497	515	539
27	222	291	349	396	442	485	512	542	570
28	201	265	315	396	394	420	442	463	476

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
15	560	575	575	588	594	608	615	627	636
16	558	593	581	589	604	614	623	635	642
17	507	520	520	520	532	546	550	564	565
18	510	533	528	541	547	558	567	574	576
19	479	497	503	500	511	529	537	553	564
20	534	553	566	575	588	597	602	619	623
21	539	552	557	565	570	587	591	604	606
22	527	552	563	576	582	597	605	618	616
23	484	491	483	492	501	512	526	546	549
24	595	607	608	606	620	633	641	648	652
25	488	505	503	500	516	531	537	551	563
26	558	570	574	571	576	585	599	617	625
27	597	613	624	630	647	673	687	699	698
28	488	511	512	514	523	548	562	560	564

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
29	214	284	399	386	420	445	472	498	513
30	212	293	348	403	450	492	526	568	601
31	238	308	371	422	461	484	517	548	569
32	177	231	304	366	416	448	474	509	541
33	217	290	341	384	423	449	477	506	521
34	197	262	320	366	400	428	451	475	491
35	210	272	321	357	395	420	443	474	494
36	231	300	360	407	448	475	503	534	559
37	197	256	307	354	390	423	441	460	478
38	235	308	372	427	472	503	543	564	597
39	221	298	361	414	462	497	532	558	587
40	214	282	338	384	417	441	469	505	527
41	209	273	326	366	406	443	474	500	520
42	213	278	339	392	435	471	496	521	549

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
29	528	545	551	549	550	557	575	581	586
30	631	661	670	682	705	725	747	769	786
31	585	609	618	630	639	658	673	682	689
32	567	591	601	603	613	633	642	654	663
33	539	556	569	564	569	583	593	614	629
34	507	520	513	519	532	549	566	578	585
35	513	516	526	534	541	546	550	563	570
36	578	588	592	589	584	586	603	619	624
37	494	510	516	517	516	530	538	549	563
38	621	640	643	657	664	686	702	709	731
39	611	631	632	637	646	662	678	688	702
40	538	560	561	572	577	587	598	604	612
41	545	559	554	553	558	560	560	576	585
42	570	587	589	591	588	590	597	607	617

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
43	223	291	343	389	426	455	486	514	539
44	200	262	325	381	427	465	493	526	556
45	231	295	350	390	415	444	467	492	504
46	217	268	325	365	397	423	439	469	480
47	495	268	320	359	389	417	442	462	482
48	192	246	304	348	388	418	439	454	472
49	205	271	323	364	400	429	450	471	491
50	221	285	332	365	402	417	442	462	482
51	199	260	312	358	398	428	450	467	484
52	229	309	367	424	468	497	530	556	575
53	212	286	352	399	440	471	488	514	534
54	222	293	365	418	446	499	535	570	600
55	219	288	346	390	425	448	471	493	514
56	201	265	316	357	392	420	448	465	480

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
43	559	574	582	585	593	611	620	641	654
44	573	595	609	608	609	613	618	631	634
45	521	541	545	557	568	576	585	592	593
46	501	518	517	522	528	542	555	570	576
47	495	503	509	504	512	521	534	538	546
48	491	501	504	503	508	516	530	539	548
49	501	516	524	526	536	553	565	577	577
50	492	507	510	522	531	542	553	561	566
51	500	508	524	515	527	547	558	566	572
52	595	618	626	621	628	634	651	666	673
53	559	580	587	591	598	612	635	644	657
54	626	653	654	662	672	699	715	738	755
55	525	520	549	557	568	582	595	605	618
56	496	519	533	541	548	548	562	570	572

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
57	176	228	278	313	353	378	402	422	440
58	226	303	370	425	463	499	525	564	589
59	209	275	332	371	404	448	479	487	524
60	209	272	333	372	410	436	462	504	502
61	211	275	324	362	388	420	431	450	470
62	229	300	363	421	468	501	530	557	577
63	196	264	316	359	393	423	445	467	490
64	210	238	314	352	382	411	427	447	462
65	233	298	355	399	439	472	497	513	546
66	213	281	344	391	428	466	494	521	536
67	210	276	326	365	396	429	450	473	491
68	189	253	302	346	383	421	443	463	484
69	205	275	337	386	429	457	476	498	521
70	206	278	345	398	434	469	499	524	548

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
57	455	467	476	478	475	490	507	509	516
58	607	626	636	638	656	665	675	Found dead	
59	548	563	567	580	592	610	620	631	642
60	526	535	550	537	534	549	553	564	572
61	484	498	504	506	505	509	512	523	530
62	598	608	616	615	623	637	649	652	659
63	503	522	528	540	543	556	559	570	579
64	473	479	483	487	486	494	507	510	519
65	564	580	578	575	571	581	591	599	614
66	561	578	580	586	608	625	630	636	648
67	506	513	523	535	540	545	553	555	565
68	502	521	531	528	533	548	563	571	581
69	539	558	559	552	562	576	583	594	606
70	564	593	588	601	597	611	631	630	630

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
71	215	285	344	400	433	461	490	511	537
72	231	307	382	430	477	512	546	582	601
73	229	296	359	408	449	486	511	531	557
74	211	268	320	364	405	430	451	470	492
75	203	261	315	356	393	417	448	460	479
76	194	247	302	341	385	414	438	463	488
77	227	297	356	408	454	484	510	537	558
78	212	277	335	381	429	467	490	510	537
79	213	276	325	375	409	442	464	476	498
80	198	259	312	356	399	425	445	465	483
81	198	258	319	361	405	442	467	487	509
82	227	298	364	409	455	493	521	548	582
83	205	271	334	389	433	469	494	508	525
84	221	287	341	372	405	434	457	473	498

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
71	561	582	584	586	593	603	615	622	638
72	628	657	658	661	674	697	707	719	728
73	564	587	584	590	598	616	625	634	642
74	509	526	528	530	537	550	556	572	585
75	507	519	529	524	524	522	519	523	534
76	507	524	530	535	552	567	580	588	602
77	591	608	621	621	630	648	660	670	671
78	558	571	586	599	608	614	624	637	645
79	510	527	528	518	519	529	543	548	555
80	500	510	518	529	527	545	549	557	565
81	527	541	549	552	556	569	580	584	601
82	598	617	615	613	621	646	652	666	679
83	538	558	560	561	573	586	589	602	605
84	511	533	532	531	541	551	561	566	569

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
85	234	320	380	449	485	514	556	586	616
86	186	244	296	345	385	413	443	468	496
87	209	268	322	354	386	407	433	460	482
88	205	262	308	348	381	405	427	450	465
89	218	285	349	393	440	459	490	516	532
90	214	279	334	375	412	441	437	488	511
91	194	251	303	340	373	408	471	462	478
92	234	303	358	398	429	412	465	480	500
93	212	283	346	401	445	470	493	521	530
94	210	285	353	417	475	498	529	558	574
95	201	275	339	385	423	452	472	500	520
96	237	310	376	416	448	477	498	524	542
97	202	269	325	371	415	448	472	490	515
98	221	290	337	377	413	447	470	486	509

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
85	630	649	655	666	670	697	718	723	727
86	511	535	542	552	566	586	613	624	631
87	506	519	520	527	543	550	573	581	581
88	481	499	511	518	521	533	546	539	548
89	553	562	564	574	571	591	602	611	605
90	525	542	554	561	570	582	597	603	603
91	488	459	Found dead						
92	516	528	542	547	551	573	591	595	603
93	552	548	582	597	606	618	620	626	639
94	589	610	621	631	643	659	675	682	684
95	541	551	564	566	581	589	603	614	632
96	553	572	585	591	598	616	616	622	630
97	527	545	549	559	573	586	604	605	610
98	517	534	544	541	543	552	559	568	575

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male Number	Study Week								
	1	2	3	4	5	6	7	8	9
99	192	241	287	320	348	375	393	411	430
100	208	276	332	382	426	456	478	504	524
101	222	295	359	413	457	493	517	539	557
102	225	303	372	425	476	501	543	570	590
103	201	261	316	356	397	420	441	453	470
104	194	252	290	322	353	378	399	415	427
105	218	280	331	370	408	436	457	475	494
106	197	255	314	352	384	395	409	421	444
107	207	278	347	406	461	496	519	549	581
108	220	281	346	390	422	454	475	490	520
109	217	281	330	373	411	437	460	478	498
110	200	260	312	354	391	415	436	458	471
111	201	264	323	368	409	443	468	491	512
112	218	225	330	368	399	430	448	480	489

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study Week								
	10	11	12	13	14	15	16	17	18
99	446	458	468	478	480	489	503	506	517
100	542	551	557	556	561	571	583	576	582
101	576	595	598	608	616	629	645	649	655
102	610	630	642	650	656	669	693	687	703
103	483	495	499	493	492	504	523	518	515
104	434	450	453	451	441	455	458	457	470
105	503	514	515	526	531	548	565	569	573
106	453	463	476	480	485	498	510	516	522
107	587	610	618	633	648	659	670	682	684
108	527	549	557	556	569	580	595	602	615
109	504	517	529	540	542	568	581	574	585
110	479	501	502	512	514	522	534	536	540
111	530	547	553	564	570	583	601	605	613
112	508	526	513	525	534	547	559	564	579

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
225	52	83	128	192	259	330	373	421	461
226	51	82	131	193	261	334	390	439	483
227	47	79	124	184	250	328	386	429	465
228	39	65	105	152	201	266	313	351	389
229	45	74	122	184	240	293	333	361	397
230	46	77	121	148	236	294	343	378	410
231	42	71	109	179	195	225	260	290	317
232	36	35	58	Found dead					
233	53	77	125	181	238	309	358	405	446
234	64	92	145	207	270	339	392	434	466
235	51	77	128	195	262	329	388	442	490
236	60	84	128	182	239	306	352	397	428
237	49	75	120	169	222	283	332	383	427
238	47	72	116	164	219	273	325	355	405

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
225	493	522	539	555	579	604	611	621	629
226	520	541	565	590	607	640	654	662	680
227	512	545	572	572	650	692	708	712	725
228	442	446	465	504	519	548	557	559	573
229	419	430	434	460	472	494	510	517	536
230	433	462	471	497	527	549	558	576	593
231	347	369	374	392	410	429	436	447	461
232	Found dead								
233	479	504	520	541	562	590	609	618	636
234	501	517	534	541	552	574	583	597	609
235	527	546	565	588	603	640	666	666	669
236	452	471	480	506	514	540	543	554	569
237	468	494	510	537	557	580	592	602	604
238	442	468	508	525	553	597	610	634	643

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
239	47	75	125	185	239	292	326	354	387
240	44	68	113	166	223	280	321	362	397
241	49	77	129	194	254	321	373	422	462
242	46	70	114	197	227	281	333	376	407
243	47	70	110	163	211	263	310	354	385
244	48	66	102	152	202	255	311	356	391
245	41	60	102	158	214	271	316	362	401
246	59	78	130	198	261	320	367	405	440
247	43	60	101	163	227	298	368	419	467
248	39	52	90	143	206	270	334	378	420
249	52	61	101	159	218	290	341	385	425
250	67	79	123	182	238	293	348	394	429
251	65	73	120	182	245	309	363	414	455
252	51	58	95	153	218	281	347	406	458

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
239	411	429	446	451	471	502	515	523	526
240	427	438	467	486	500	522	523	535	540
241	491	428	522	549	550	569	592	607	619
242	437	448	467	480	498	523	541	544	543
243	406	426	441	446	456	477	494	495	501
244	423	448	471	485	509	532	549	543	553
245	438	465	475	498	521	547	493	575	585
246	471	492	489	511	534	560	565	577	590
247	494	527	549	571	597	642	652	662	680
248	454	483	505	523	549	571	586	578	604
249	459	481	493	512	532	557	562	568	576
250	460	477	496	510	540	578	588	600	608
251	494	514	521	542	573	606	621	637	634
252	495	523	554	587	621	654	674	701	717

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
253	46	79	127	189	253	317	366	401	428
254	48	74	110	168	227	278	310	338	381
255	50	75	117	179	239	301	350	388	427
256	55	86	146	214	281	340	381	427	458
257	54	84	141	210	275	333	375	404	434
258	47	73	122	187	248	303	354	397	428
259	53	79	129	191	254	320	357	403	433
260	46	72	129	198	268	337	394	442	481
261	48	73	117	170	225	274	313	347	389
262	45	71	117	177	238	290	336	372	414
263	41	60	103	133	217	278	315	345	381
264	41	56	96	149	201	255	291	324	338
265	37	51	89	133	177	221	258	290	317
266	42	63	112	187	252	315	369	411	463

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
253	458	483	508	517	540	571	589	593	601
254	408	413	445	465	480	501	523	537	523
255	450	468	484	509	534	568	582	598	607
256	472	487	518	527	531	587	588	571	591
257	443	461	493	509	533	561	578	585	593
258	457	465	477	492	505	527	541	552	560
259	462	479	484	511	523	555	572	580	584
260	518	547	541	576	600	630	648	659	677
261	415	428	438	464	489	518	530	535	545
262	441	466	463	490	511	539	559	572	586
263	395	406	428	452	477	518	491	540	544
264	359	381	391	407	408	425	431	440	449
265	334	348	365	377	395	414	430	439	444
266	496	520	523	552	571	605	607	636	640

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
267	56	79	133	197	261	321	361	395	434
268	58	79	118	175	235	286	328	357	389
269	35	53	89	140	190	240	296	333	370
270	51	67	111	178	241	304	369	417	458
271	49	62	100	146	201	257	302	346	381
272	45	60	101	153	205	261	315	350	380
273	46	64	109	169	235	312	378	436	484
274	45	60	96	163	228	289	334	390	427
275	46	61	103	159	216	276	324	359	385
276	44	58	102	155	217	281	343	393	443
277	41	56	95	152	207	261	303	328	364
278	38	50	114	137	198	268	330	384	430
279	57	65	85	179	245	304	349	384	422
280	47	56	96	150	216	278	333	378	407

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
267	451	467	490	524	544	575	599	614	612
268	417	428	433	450	469	476	479	491	497
269	402	418	434	459	480	500	513	520	525
270	496	526	546	571	578	608	621	625	638
271	420	442	460	477	502	533	544	552	558
272	404	424	435	461	484	508	505	511	519
273	526	560	579	604	638	649	665	676	691
274	460	487	513	518	555	557	565	571	569
275	411	432	449	468	480	504	528	531	545
276	471	488	511	527	558	580	597	617	622
277	401	413	407	428	457	486	492	508	520
278	460	486	480	530	559	588	603	618	641
279	442	467	494	502	534	553	562	583	608
280	440	463	484	512	532	554	559	575	588

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
281	42	71	130	204	276	344	410	447	494
282	50	78	125	187	239	295	345	383	412
283	43	69	104	155	205	264	316	358	395
284	46	75	126	193	253	297	353	389	426
285	48	84	136	200	269	336	396	447	486
286	40	68	113	168	219	274	317	362	386
287	39	64	109	163	215	269	301	330	356
288	50	82	125	185	244	303	359	406	440
289	48	73	121	188	255	321	374	427	462
290	50	72	112	164	212	268	311	343	375
291	48	72	118	187	243	306	372	424	468
292	62	94	141	208	273	337	385	420	457
293	48	72	131	201	270	333	395	449	491
294	37	50	93	143	198	261	318	361	406

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
281	532	558	574	595	619	642	651	665	677
282	441	445	460	477	490	510	523	530	541
283	426	451	467	498	511	536	546	549	563
284	456	473	494	511	523	555	573	574	584
285	518	545	553	567	588	600	616	633	638
286	410	435	446	451	469	488	497	502	509
287	384	398	401	419	437	459	473	490	500
288	473	502	514	537	549	571	580	597	605
289	487	509	544	564	583	602	619	633	650
290	401	415	419	434	453	472	482	494	506
291	505	532	542	573	587	629	635	652	668
292	484	494	520	539	552	575	580	595	605
293	540	567	574	604	627	653	669	683	696
294	427	437	457	472	484	502	519	534	547

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
295	41	56	101	166	218	278	324	353	391
296	43	58	108	172	237	305	367	410	440
297	45	69	119	183	243	309	375	419	469
298	44	62	105	164	219	276	315	363	392
299	53	73	120	183	251	316	369	407	444
300	60	83	134	201	264	336	388	431	461
301	54	80	121	197	270	345	414	468	512
302	60	74	128	203	271	332	380	421	447
303	47	69	113	167	224	279	329	364	395
304	44	64	112	170	232	293	332	365	390
305	47	68	112	170	233	298	351	394	439
306	38	54	89	137	192	244	287	311	339
307	36	48	87	140	197	254	303	337	369
308	50	64	106	170	236	297	371	414	455

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
295	423	433	454	478	503	531	535	553	569
296	463	481	494	528	547	576	583	606	618
297	490	511	522	552	578	605	547	640	664
298	417	436	448	465	493	504	513	524	534
299	482	512	527	541	556	575	578	596	598
300	493	500	515	536	561	583	591	601	623
301	563	598	604	604	625	655	667	697	721
302	468	484	510	534	565	595	607	609	615
303	413	414	450	475	487	506	516	528	540
304	415	421	430	452	486	511	522	537	546
305	468	480	485	520	534	561	568	576	592
306	363	379	387	400	411	434	442	449	463
307	396	412	416	437	448	473	477	490	504
308	495	515	523	552	580	612	617	632	657

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
309	51	82	137	219	290	367	439	499	546
310	47	79	127	198	263	330	369	423	456
311	41	70	112	170	221	279	327	363	402
312	51	86	134	197	254	324	377	423	452
313	47	68	112	170	218	277	310	346	373
314	47	70	116	168	224	277	315	351	381
315	46	75	125	188	255	309	359	402	430
316	51	83	139	212	269	336	388	431	470
317	67	94	144	202	270	328	372	402	439
318	32	52	94	147	203	259	321	372	401
319	36	60	103	158	209	263	315	354	386
320	49	75	125	186	248	315	369	401	437
321	42	63	103	157	213	270	315	352	383
322	59	88	140	153	217	282	337	381	416

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
309	598	629	640	670	688	707	722	751	813
310	491	513	513	541	551	580	592	605	621
311	429	453	457	483	496	518	533	542	558
312	485	506	507	528	531	560	579	587	602
313	402	417	427	445	453	476	485	493	501
314	405	424	438	458	466	494	503	510	517
315	458	471	476	502	512	532	537	534	546
316	510	532	523	554	578	600	604	610	620
317	451	471	502	548	561	578	583	600	611
318	442	467	476	506	503	524	534	539	561
319	415	434	447	468	488	502	513	523	539
320	458	472	477	499	522	545	566	580	595
321	381	411	426	444	463	475	485	496	500
322	442	464	462	487	507	517	526	532	541

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male Number	Study Week								
	17	18	19	20	21	22	23	24	25
323	51	71	112	165	217	266	308	347	375
324	49	70	117	173	223	275	318	359	379
325	37	52	93	149	209	256	300	328	352
326	45	66	111	177	234	289	322	349	375
327	57	80	128	193	259	320	367	374	421
328	46	66	114	171	227	287	327	350	390
329	42	58	103	163	230	293	349	389	432
330	50	66	117	182	252	319	377	414	443
331	62	82	134	205	279	346	415	465	505
332	46	61	104	165	220	262	288	308	325
333	39	53	98	148	200	245	280	308	330
334	52	62	109	168	231	300	358	402	447
335	62	70	119	188	246	301	356	392	432
336	69	78	129	198	261	327	383	432	463

Appendix 4 (continued) **Individual Bodyweights (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male Number	Study Week								
	26	27	28	29	30	31	32	33	34
323	405	419	437	453	468	479	488	492	499
324	404	429	427	451	476	497	498	507	527
325	381	397	407	437	439	453	464	480	492
326	397	410	410	439	450	463	475	492	498
327	455	475	477	512	531	561	568	584	601
328	424	433	440	459	471	494	510	524	542
329	460	485	487	505	531	561	578	586	604
330	482	492	505	532	549	579	587	598	625
331	546	572	583	617	653	672	687	707	729
332	335	346	359	374	395	403	407	421	433
333	348	370	380	394	403	430	443	461	476
334	481	502	503	531	541	566	576	596	607
335	460	483	487	523	542	563	569	577	585
336	482	499	515	529	543	570	584	600	619

Appendix 5 Individual Bodyweight Gains (g) – Males

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
1	63	58	49	45	27	20	23	23	18
2	69	61	60	41	44	31	35	29	24
3	67	60	49	39	36	30	26	22	27
4	52	50	46	45	35	26	25	19	22
5	57	44	37	35	24	18	6	17	26
6	63	59	52	50	32	29	22	22	22
7	81	73	59	54	44	37	23	28	25
8	71	59	44	45	36	32	25	22	18
9	69	60	52	58	31	27	23	8	23
10	68	60	55	57	45	31	33	18	25
11	59	57	41	44	34	19	28	16	6
12	68	53	57	41	31	24	28	20	15
13	61	60	41	40	19	28	17	24	24
14	54	47	36	37	34	26	27	25	21

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
1	18	5	-6	2	0	10	12	7	367
2	14	2	19	10	5	6	19	15	469
3	14	-7	8	26	8	19	11	15	435
4	8	14	2	18	13	9	15	11	399
5	16	-5	20	0	11	15	10	7	331
6	21	0	-7	7	11	-2	17	9	398
7	11	-9	23	4	9	12	7	5	481
8	17	3	7	6	20	10	24	5	439
9	19	-13	3	19	11	9	10	7	409
10	10	-2	8	20	27	12	6	12	473
11	22	-7	7	6	23	13	-7	6	361
12	7	1	0	15	20	13	13	12	406
13	11	-5	-7	8	15	6	19	5	361
14	15	-5	6	15	10	11	7	2	366

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
15	66	64	43	49	25	26	30	19	25
16	55	58	58	45	42	33	26	35	23
17	62	45	42	29	23	26	18	22	17
18	60	57	50	28	28	17	25	17	11
19	55	50	49	35	32	18	26	18	21
20	67	50	47	44	33	24	27	20	23
21	63	56	46	43	32	28	26	18	18
22	71	50	41	37	29	18	24	12	25
23	63	54	40	31	28	19	23	13	15
24	70	59	54	43	33	29	19	33	-54
25	54	52	44	35	31	22	22	13	17
26	66	62	44	50	18	35	18	24	19
27	69	58	47	46	43	27	30	28	27
28	64	50	81	-2	26	22	21	13	12

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
15	15	0	13	6	14	7	12	9	414
16	35	-12	8	15	10	9	12	7	452
17	13	0	0	12	14	4	14	1	341
18	23	-5	13	6	11	9	7	2	357
19	18	6	-3	11	18	8	16	11	389
20	19	13	9	13	9	5	17	4	420
21	13	5	8	5	17	4	13	2	395
22	25	11	13	6	15	8	13	-2	398
23	7	-8	9	9	11	14	20	3	348
24	92	1	-2	14	13	8	7	4	419
25	17	-2	-3	16	15	6	14	12	353
26	12	4	-3	5	9	14	18	8	395
27	16	11	6	17	26	14	12	-1	477
28	23	1	2	9	25	14	-2	4	359

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
29	70	115	-13	34	25	27	26	15	15
30	81	55	55	47	42	34	42	33	30
31	70	63	51	39	23	33	31	21	16
32	54	73	62	50	32	26	35	32	26
33	73	51	43	39	26	28	29	15	18
34	65	58	46	34	28	23	24	16	16
35	62	49	36	38	25	23	31	20	19
36	69	60	47	41	27	28	31	25	19
37	59	51	47	36	33	18	19	18	16
38	73	64	55	45	31	40	21	33	24
39	77	63	53	48	35	35	26	29	24
40	68	56	46	33	24	28	36	22	11
41	64	53	40	40	37	31	26	20	25
42	65	61	53	43	36	25	25	28	21

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
29	17	6	-2	1	7	18	6	5	367
30	30	9	12	23	20	22	22	17	557
31	24	9	12	9	19	15	9	7	444
32	24	10	2	10	20	9	12	9	477
33	17	13	-5	5	14	10	21	15	397
34	13	-7	6	13	17	17	12	7	381
35	3	10	8	7	5	4	13	7	353
36	10	4	-3	-5	2	17	16	5	388
37	16	6	1	-1	14	8	11	14	352
38	19	3	14	7	22	16	7	22	474
39	20	1	5	9	16	16	10	14	467
40	22	1	11	5	10	11	6	8	390
41	14	-5	-1	5	2	0	16	9	367
42	17	2	2	-3	2	7	10	10	394

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
43	68	52	46	37	29	31	28	25	20
44	62	63	56	46	38	28	33	30	17
45	64	55	40	25	29	23	25	12	17
46	51	57	40	32	26	16	30	11	21
47	62	52	39	30	28	25	20	20	13
48	54	58	44	40	30	21	15	18	19
49	66	52	41	36	29	21	21	20	10
50	64	47	33	37	15	25	20	20	10
51	61	52	46	40	30	22	17	17	16
52	80	58	57	44	29	33	26	19	20
53	74	66	47	41	31	17	26	20	25
54	71	72	53	28	53	36	35	30	26
55	69	58	44	35	23	23	22	21	11
56	64	51	41	35	28	28	17	15	16

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
43	15	8	3	8	18	9	21	13	418
44	22	14	-1	1	4	5	13	3	431
45	20	4	12	11	8	9	7	1	361
46	17	-1	5	6	14	13	15	6	353
47	8	6	-5	8	9	13	4	8	332
48	10	3	-1	5	8	14	9	9	347
49	15	8	2	10	17	12	12	0	372
50	15	3	12	9	11	11	8	5	340
51	8	16	-9	12	20	11	8	6	367
52	23	8	-5	7	6	17	15	7	437
53	21	7	4	7	14	23	9	13	432
54	27	1	8	10	27	16	23	17	516
55	-5	29	8	11	14	13	10	13	386
56	23	14	8	7	0	14	8	2	369

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
57	52	50	35	40	25	24	20	18	15
58	77	67	55	38	36	26	39	25	18
59	66	57	39	33	44	31	8	37	24
60	63	61	39	38	26	26	42	-2	24
61	64	49	38	26	32	11	19	20	14
62	71	63	58	47	33	29	27	20	21
63	68	52	43	34	30	22	22	23	13
64	28	76	38	30	29	16	20	15	11
65	65	57	44	40	33	25	16	33	18
66	68	63	47	37	38	28	27	15	25
67	66	50	39	31	33	21	23	18	15
68	64	49	44	37	38	22	20	21	18
69	70	62	49	43	28	19	22	23	18
70	72	67	53	36	35	30	25	24	16

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
57	12	9	2	-3	15	17	2	7	333
58	19	10	2	18	9	10	Found dead		
59	15	4	13	12	18	10	11	11	422
60	9	15	-13	-3	15	4	11	8	355
61	14	6	2	-1	4	3	11	7	312
62	10	8	-1	8	14	12	3	7	423
63	19	6	12	3	13	3	11	9	374
64	6	4	4	-1	8	13	3	9	300
65	16	-2	-3	-4	10	10	8	15	366
66	17	2	6	22	17	5	6	12	423
67	7	10	12	5	5	8	2	10	345
68	19	10	-3	5	15	15	8	10	382
69	19	1	-7	10	14	7	11	12	389
70	29	-5	13	-4	14	20	-1	0	424

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
71	70	59	56	33	28	29	21	26	24
72	76	75	48	47	35	34	36	19	27
73	67	63	49	41	37	25	20	26	7
74	57	52	44	41	25	21	19	22	17
75	58	54	41	37	24	31	12	19	28
76	53	55	39	44	29	24	25	25	19
77	70	59	52	46	30	26	27	21	33
78	65	58	46	48	38	23	20	27	21
79	63	49	50	34	33	22	12	22	12
80	61	53	44	43	26	20	20	18	17
81	60	61	42	44	37	25	20	22	18
82	71	66	45	46	38	28	27	34	16
83	66	63	55	44	36	25	14	17	13
84	66	54	31	33	29	23	16	25	13

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
71	21	2	2	7	10	12	7	16	407
72	29	1	3	13	23	10	12	9	488
73	23	-3	6	8	18	9	9	8	405
74	17	2	2	7	13	6	16	13	361
75	12	10	-5	0	-2	-3	4	11	320
76	17	6	5	17	15	13	8	14	394
77	17	13	0	9	18	12	10	1	443
78	13	15	13	9	6	10	13	8	425
79	17	1	-10	1	10	14	5	7	335
80	10	8	11	-2	18	4	8	8	359
81	14	8	3	4	13	11	4	17	386
82	19	-2	-2	8	25	6	14	13	439
83	20	2	1	12	13	3	13	3	397
84	22	-1	-1	10	10	10	5	3	345

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
85	86	60	69	36	29	42	30	30	14
86	58	52	49	40	28	30	25	28	15
87	59	54	32	32	21	26	27	22	24
88	57	46	40	33	24	22	23	15	16
89	67	64	44	47	19	31	26	16	21
90	65	55	41	37	29	-4	51	23	14
91	57	52	37	33	35	63	-9	16	10
92	69	55	40	31	-17	53	15	20	16
93	71	63	55	44	25	23	28	9	22
94	75	68	64	58	23	31	29	16	15
95	74	64	46	38	29	20	28	20	21
96	73	66	40	32	29	21	26	18	11
97	67	56	46	44	33	24	18	25	12
98	69	47	40	36	34	23	16	23	8

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
85	19	6	11	4	27	21	5	4	489
86	24	7	10	14	20	27	11	7	438
87	13	1	7	16	7	23	8	0	372
88	18	12	7	3	12	13	-7	9	334
89	9	2	10	-3	20	11	9	-6	393
90	17	12	7	9	12	15	6	0	389
91	-29	Found dead							
92	12	14	5	4	22	18	4	8	361
93	-4	34	15	9	12	2	6	13	414
94	21	11	10	12	16	16	7	2	472
95	10	13	2	15	8	14	11	18	413
96	19	13	6	7	18	0	6	8	385
97	18	4	10	14	13	18	1	5	403
98	17	10	-3	2	9	7	9	7	347

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study week								
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10
99	49	46	33	28	27	18	18	19	16
100	68	56	50	44	30	22	26	20	18
101	73	64	54	44	36	24	22	18	19
102	78	69	53	51	25	42	27	20	20
103	60	55	40	41	23	21	12	17	13
104	58	38	32	31	25	21	16	12	7
105	62	51	39	38	28	21	18	19	9
106	58	59	38	32	11	14	12	23	9
107	71	69	59	55	35	23	30	32	6
108	61	65	44	32	32	21	15	30	7
109	64	49	43	38	26	23	18	20	6
110	60	52	42	37	24	21	22	13	8
111	63	59	45	41	34	25	23	21	18
112	7	105	38	31	31	18	32	9	19

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study week								
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Cumulative gain Week 1-17
99	12	10	10	2	9	14	3	11	314
100	9	6	-1	5	10	12	-7	6	368
101	19	3	10	8	13	16	4	6	427
102	20	12	8	6	13	24	-6	16	462
103	12	4	-6	-1	12	19	-5	-3	317
104	16	3	-2	-10	14	3	-1	13	263
105	11	1	11	5	17	17	4	4	351
106	10	13	4	5	13	12	6	6	319
107	23	8	15	15	11	11	12	2	475
108	22	8	-1	13	11	15	7	13	382
109	13	12	11	2	26	13	-7	11	357
110	22	1	10	2	8	12	2	4	336
111	17	6	11	6	13	18	4	8	404
112	18	-13	12	9	13	12	5	15	346

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
225	31	45	64	67	71	43	48	40	32
226	31	49	62	68	73	56	49	44	37
227	32	45	60	66	78	58	43	36	47
228	26	40	47	49	65	47	38	38	53
229	29	48	62	56	53	40	28	36	22
230	31	44	27	88	58	49	35	32	23
231	29	38	70	16	30	35	30	27	30
232	-1	23	Found dead						
233	24	48	56	57	71	49	47	41	33
234	28	53	62	63	69	53	42	32	35
235	26	51	67	67	67	59	54	48	37
236	24	44	54	57	67	46	45	31	24
237	26	45	49	53	61	49	51	44	41
238	25	44	48	55	54	52	30	50	37

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
225	29	17	16	24	25	7	10	8	577
226	21	24	25	17	33	14	8	18	629
227	33	27	0	78	42	16	4	13	678
228	4	19	39	15	29	9	2	14	534
229	11	4	26	12	22	16	7	19	491
230	29	9	26	30	22	9	18	17	547
231	22	5	18	18	19	7	11	14	419
232	Found dead								
233	25	16	21	21	28	19	9	18	583
234	16	17	7	11	22	9	14	12	545
235	19	19	23	15	37	26	0	3	618
236	19	9	26	8	26	3	11	15	509
237	26	16	27	20	23	12	10	2	555
238	26	40	17	28	44	13	24	9	596

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
239	28	50	60	54	53	34	28	33	24
240	24	45	53	57	57	41	41	35	30
241	28	52	65	60	67	52	49	40	29
242	24	44	83	30	54	52	43	31	30
243	23	40	53	48	52	47	44	31	21
244	18	36	50	50	53	56	45	35	32
245	19	42	56	56	57	45	46	39	37
246	19	52	68	63	59	47	38	35	31
247	17	41	62	64	71	70	51	48	27
248	13	38	53	63	64	64	44	42	34
249	9	40	58	59	72	51	44	40	34
250	12	44	59	56	55	55	46	35	31
251	8	47	62	63	64	54	51	41	39
252	7	37	58	65	63	66	59	52	37

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
239	18	17	5	20	31	13	8	3	479
240	11	29	19	14	22	1	12	5	496
241	-63	94	27	1	19	23	15	12	570
242	11	19	13	18	25	18	3	-1	497
243	20	15	5	10	21	17	1	6	454
244	25	23	14	24	23	17	-6	10	505
245	27	10	23	23	26	-54	82	10	544
246	21	-3	22	23	26	5	12	13	531
247	33	22	22	26	45	10	10	18	637
248	29	22	18	26	22	15	-8	26	565
249	22	12	19	20	25	5	6	8	524
250	17	19	14	30	38	10	12	8	541
251	20	7	21	31	33	15	16	-3	569
252	28	31	33	34	33	20	27	16	666

Appendix 5 (continued) Individual Bodyweight Gains (g) – Males
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
253	33	48	62	64	64	49	35	27	30
254	26	36	58	59	51	32	28	43	27
255	25	42	62	60	62	49	38	39	23
256	31	60	68	67	59	41	46	31	14
257	30	57	69	65	58	42	29	30	9
258	26	49	65	61	55	51	43	31	29
259	26	50	62	63	66	37	46	30	29
260	26	57	69	70	69	57	48	39	37
261	25	44	53	55	49	39	34	42	26
262	26	46	60	61	52	46	36	42	27
263	19	43	30	84	61	37	30	36	14
264	15	40	53	52	54	36	33	14	21
265	14	38	44	44	44	37	32	27	17
266	21	49	75	65	63	54	42	52	33

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
253	25	25	9	23	31	18	4	8	555
254	5	32	20	15	21	22	14	-14	475
255	18	16	25	25	34	14	16	9	557
256	15	31	9	4	56	1	-17	20	536
257	18	32	16	24	28	17	7	8	539
258	8	12	15	13	22	14	11	8	513
259	17	5	27	12	32	17	8	4	531
260	29	-6	35	24	30	18	11	18	631
261	13	10	26	25	29	12	5	10	497
262	25	-3	27	21	28	20	13	14	541
263	11	22	24	25	41	-27	49	4	503
264	22	10	16	1	17	6	9	9	408
265	14	17	12	18	19	16	9	5	407
266	24	3	29	19	34	2	29	4	598

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
267	23	54	64	64	60	40	34	39	17
268	21	39	57	60	51	42	29	32	28
269	18	36	51	50	50	56	37	37	32
270	16	44	67	63	63	65	48	41	38
271	13	38	46	55	56	45	44	35	39
272	15	41	52	52	56	54	35	30	24
273	18	45	60	66	77	66	58	48	42
274	15	36	67	65	61	45	56	37	33
275	15	42	56	57	60	48	35	26	26
276	14	44	53	62	64	62	50	50	28
277	15	39	57	55	54	42	25	36	37
278	12	64	23	61	70	62	54	46	30
279	8	20	94	66	59	45	35	38	20
280	9	40	54	66	62	55	45	29	33

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
267	16	23	34	20	31	24	15	-2	556
268	11	5	17	19	7	3	12	6	439
269	16	16	25	21	20	13	7	5	490
270	30	20	25	7	30	13	4	13	587
271	22	18	17	25	31	11	8	6	509
272	20	11	26	23	24	-3	6	8	474
273	34	19	25	34	11	16	11	15	645
274	27	26	5	37	2	8	6	-2	524
275	21	17	19	12	24	24	3	14	499
276	17	23	16	31	22	17	20	5	578
277	12	-6	21	29	29	6	16	12	479
278	26	-6	50	29	29	15	15	23	603
279	25	27	8	32	19	9	21	25	551
280	23	21	28	20	22	5	16	13	541

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
281	29	59	74	72	68	66	37	47	38
282	28	47	62	52	56	50	38	29	29
283	26	35	51	50	59	52	42	37	31
284	29	51	67	60	44	56	36	37	30
285	36	52	64	69	67	60	51	39	32
286	28	45	55	51	55	43	45	24	24
287	25	45	54	52	54	32	29	26	28
288	32	43	60	59	59	56	47	34	33
289	25	48	67	67	66	53	53	35	25
290	22	40	52	48	56	43	32	32	26
291	24	46	69	56	63	66	52	44	37
292	32	47	67	65	64	48	35	37	27
293	24	59	70	69	63	62	54	42	49
294	13	43	50	55	63	57	43	45	21

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
281	26	16	21	24	23	9	14	12	635
282	4	15	17	13	20	13	7	11	491
283	25	16	31	13	25	10	3	14	520
284	17	21	17	12	32	18	1	10	538
285	27	8	14	21	12	16	17	5	590
286	25	11	5	18	19	9	5	7	469
287	14	3	18	18	22	14	17	10	461
288	29	12	23	12	22	9	17	8	555
289	22	35	20	19	19	17	14	17	602
290	14	4	15	19	19	10	12	12	456
291	27	10	31	14	42	6	17	16	620
292	10	26	19	13	23	5	15	10	543
293	27	7	30	23	26	16	14	13	648
294	10	20	15	12	18	17	15	13	510

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
295	15	45	65	52	60	46	29	38	32
296	15	50	64	65	68	62	43	30	23
297	24	50	64	60	66	66	44	50	21
298	18	43	59	55	57	39	48	29	25
299	20	47	63	68	65	53	38	37	38
300	23	51	67	63	72	52	43	30	32
301	26	41	76	73	75	69	54	44	51
302	14	54	75	68	61	48	41	26	21
303	22	44	54	57	55	50	35	31	18
304	20	48	58	62	61	39	33	25	25
305	21	44	58	63	65	53	43	45	29
306	16	35	48	55	52	43	24	28	24
307	12	39	53	57	57	49	34	32	27
308	14	42	64	66	61	74	43	41	40

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
295	10	21	24	25	28	4	18	16	528
296	18	13	34	19	29	7	23	12	575
297	21	11	30	26	27	-58	93	24	619
298	19	12	17	28	11	9	11	10	490
299	30	15	14	15	19	3	18	2	545
300	7	15	21	25	22	8	10	22	563
301	35	6	0	21	30	12	30	24	667
302	16	26	24	31	30	12	2	6	555
303	1	36	25	12	19	10	12	12	493
304	6	9	22	34	25	11	15	9	502
305	12	5	35	14	27	7	8	16	545
306	16	8	13	11	23	8	7	14	425
307	16	4	21	11	25	4	13	14	468
308	20	8	29	28	32	5	15	25	607

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
309	31	55	82	71	77	72	60	47	52
310	32	48	71	65	67	39	54	33	35
311	29	42	58	51	58	48	36	39	27
312	35	48	63	57	70	53	46	29	33
313	21	44	58	48	59	33	36	27	29
314	23	46	52	56	53	38	36	30	24
315	29	50	63	67	54	50	43	28	28
316	32	56	73	57	67	52	43	39	40
317	27	50	58	68	58	44	30	37	12
318	20	42	53	56	56	62	51	29	41
319	24	43	55	51	54	52	39	32	29
320	26	50	61	62	67	54	32	36	21
321	21	40	54	56	57	45	37	31	-2
322	29	52	13	64	65	55	44	35	26

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
309	31	11	30	18	19	15	29	62	762
310	22	0	28	10	29	12	13	16	574
311	24	4	26	13	22	15	9	16	517
312	21	1	21	3	29	19	8	15	551
313	15	10	18	8	23	9	8	8	454
314	19	14	20	8	28	9	7	7	470
315	13	5	26	10	20	5	-3	12	500
316	22	-9	31	24	22	4	6	10	569
317	20	31	46	13	17	5	17	11	544
318	25	9	30	-3	21	10	5	22	529
319	19	13	21	20	14	11	10	16	503
320	14	5	22	23	23	21	14	15	546
321	30	15	18	19	12	10	11	4	458
322	22	-2	25	20	10	9	6	9	482

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male Number	Study week								
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26
323	20	41	53	52	49	42	39	28	30
324	21	47	56	50	52	43	41	20	25
325	15	41	56	60	47	44	28	24	29
326	21	45	66	57	55	33	27	26	22
327	23	48	65	66	61	47	6	47	34
328	20	48	57	56	60	40	23	40	34
329	16	45	60	67	63	56	40	43	28
330	16	51	65	70	67	58	37	29	39
331	20	52	71	74	67	69	50	40	41
332	15	43	61	55	42	26	20	17	10
333	14	45	50	52	45	35	28	22	18
334	10	47	59	63	69	58	44	45	34
335	8	49	69	58	55	55	36	40	28
336	9	51	69	63	66	56	50	31	19

Appendix 5 (continued) **Individual Bodyweight Gains (g) – Males**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male Number	Study week								
	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34	Cumulative gain Week 17-34
323	14	18	16	15	11	9	4	7	448
324	25	-2	24	25	21	1	9	20	478
325	16	10	30	2	14	11	16	12	455
326	13	0	29	11	13	12	17	6	453
327	20	2	35	19	30	7	16	17	544
328	9	7	19	12	23	16	14	18	496
329	25	2	18	26	30	17	8	18	562
330	10	13	27	17	30	8	11	27	575
331	26	11	34	36	19	15	20	22	667
332	11	13	15	21	8	4	14	12	387
333	22	10	14	9	27	13	18	15	437
334	21	1	28	10	25	10	20	11	555
335	23	4	36	19	21	6	8	8	523
336	17	16	14	14	27	14	16	19	550

Appendix 6 Individual Bodyweights (g) Before Pairing – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
113	150	174	197	218	232	246	252	266	274	278	273
114	163	195	217	229	241	259	274	279	281	291	296
115	169	193	210	241	256	263	267	281	293	292	289
116	196	224	253	271	292	306	319	321	331	341	338
117	163	190	215	237	245	272	280	288	286	316	324
118	190	220	241	267	272	280	286	295	307	306	315
119	151	174	197	210	223	235	237	243	254	258	255
120	156	175	201	215	222	245	260	262	266	278	291
121	158	190	212	235	250	260	277	290	297	293	307
122	168	222	256	281	299	304	319	331	342	344	357
123	148	176	205	225	240	250	270	290	296	292	307
124	189	175	199	212	221	243	251	258	261	272	272
125	167	196	217	229	240	256	268	273	276	287	296
126	195	228	263	284	311	325	331	336	343	360	364

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
127	161	186	207	222	237	238	244	255	257	261	258
128	162	186	211	228	239	241	251	262	268	270	282
129	154	184	206	227	237	255	269	271	280	292	297
130	156	181	197	213	228	246	252	253	260	270	269
131	168	200	226	238	249	270	285	292	294	308	317
132	171	198	219	234	246	259	275	281	285	293	302
133	157	176	192	211	220	236	251	256	254	267	278
134	174	192	210	225	242	261	266	274	280	288	291
135	157	178	206	226	242	249	257	271	275	279	286
136	177	204	235	255	266	279	290	297	302	304	320
137	188	227	263	294	309	331	349	358	360	368	381
138	163	194	219	247	263	285	304	305	312	321	332
139	179	208	236	261	280	289	290	321	330	330	323
140	160	183	206	225	245	256	264	276	305	322	306

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
141	191	223	258	284	299	312	327	341	347	349	358
142	140	157	185	199	215	229	231	236	242	250	253
143	163	187	215	232	239	261	273	284	283	296	299
144	165	182	196	215	226	236	244	258	264	286	268
145	202	233	267	292	317	329	337	349	351	367	370
146	172	191	209	233	251	259	260	271	279	275	281
147	151	168	188	205	216	227	229	235	236	239	238
148	164	193	214	233	243	258	272	274	278	285	293
149	167	189	214	231	253	266	269	279	287	292	299
150	154	177	200	217	228	240	248	265	269	272	279
151	203	230	270	288	306	314	327	340	348	346	358
152	173	205	234	254	271	297	292	304	310	311	319
153	176	206	228	243	258	275	285	292	300	311	313
154	157	180	201	218	230	240	243	261	269	270	269

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
155	160	189	208	225	240	250	253	257	269	273	275
156	183	208	239	254	276	286	293	307	305	323	330
157	168	193	226	248	264	271	287	298	301	302	310
158	151	171	193	207	220	221	237	249	258	262	265
159	165	196	210	233	242	258	263	265	273	286	293
160	177	205	230	256	268	280	293	307	307	305	319
161	187	208	225	243	256	274	283	284	294	303	312
162	185	216	237	258	266	281	281	287	297	304	304
163	149	181	211	229	239	246	261	275	271	271	279
164	170	192	219	236	247	260	269	264	283	293	297
165	161	188	211	235	237	255	264	272	276	285	291
166	165	194	223	242	252	265	282	291	295	300	310
167	185	216	241	271	290	301	312	330	335	337	338
168	176	203	222	240	257	266	272	274	281	288	295

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
169	161	189	215	237	246	261	278	285	293	293	305
170	149	175	196	215	235	245	257	267	273	277	281
171	194	225	257	272	278	307	315	321	319	332	341
172	162	189	214	227	234	249	236	266	272	268	279
173	189	225	253	275	291	305	317	323	325	335	342
174	169	198	218	248	261	267	273	290	301	306	306
175	162	192	209	228	248	258	257	265	277	278	279
176	154	177	193	216	234	241	248	261	266	265	266
177	183	213	237	262	272	291	300	310	319	327	328
178	158	191	219	237	253	262	271	278	290	302	311
179	166	194	212	237	247	264	274	279	287	292	291
180	172	207	239	257	279	288	310	317	331	335	343
181	161	192	218	240	250	270	279	285	287	294	303
182	170	191	207	234	242	268	271	292	304	309	305

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
183	179	206	231	256	270	288	299	307	322	325	327
184	166	199	227	252	265	287	302	305	310	318	327
185	166	190	220	235	245	264	272	277	286	290	295
186	165	194	224	241	254	273	280	280	291	298	303
187	178	212	237	261	260	290	293	309	319	320	339
188	163	189	214	231	244	262	265	270	283	291	296
189	183	217	252	281	292	307	326	336	336	338	350
190	159	185	205	216	208	224	233	234	241	246	250
191	155	188	213	232	240	262	279	279	280	291	303
192	178	208	237	259	273	301	325	337	339	354	368
193	185	209	232	244	255	275	284	293	301	318	316
194	166	189	211	222	230	243	255	268	280	290	291
195	160	179	195	216	227	234	242	252	265	269	261
196	163	184	201	221	231	243	245	251	264	270	269

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
197	181	211	241	259	262	271	286	297	302	302	314
198	166	195	222	242	252	273	253	291	310	312	316
199	162	179	209	225	234	243	287	256	258	257	266
200	145	161	174	191	201	210	216	229	231	233	235
201	150	178	199	220	229	244	250	258	265	274	268
202	172	203	235	257	262	275	285	293	298	305	315
203	188	221	244	280	301	313	320	334	342	350	349
204	160	189	213	242	251	263	271	284	294	299	295
205	161	190	210	227	245	261	268	271	274	276	279
206	185	211	243	262	283	290	304	315	318	321	331
207	156	187	217	239	257	276	284	295	295	300	310
208	168	191	212	244	259	270	271	290	286	293	294
209	165	190	219	235	241	248	268	269	275	271	281
210	172	200	223	244	254	267	282	296	300	305	304

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Study Week										
	1	2	3	4	5	6	7	8	9	10	11
211	161	195	215	234	243	263	278	285	290	297	303
212	149	173	201	215	227	247	257	266	264	275	277
213	182	216	237	259	274	286	297	309	312	323	331
214	150	171	196	211	222	241	248	250	255	261	269
215	155	181	210	228	241	253	268	274	280	288	294
216	168	194	212	212	250	260	268	285	293	288	286
217	179	201	229	251	260	271	286	295	302	306	317
218	158	183	213	229	239	256	272	275	279	290	297
219	169	195	218	229	238	255	267	265	270	281	283
220	165	189	216	236	243	262	273	274	281	286	294
221	150	170	185	213	228	238	259	264	271	282	285
222	181	210	239	257	279	286	299	320	330	327	339
223	160	178	190	219	231	247	252	265	269	271	282
224	177	205	236	254	265	275	283	300	300	301	311

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
337	47	79	121	157	190	219	230	246	255	269	267	280
338	47	76	110	145	177	198	224	245	259	269	284	297
339	48	75	113	153	193	224	253	275	295	304	314	330
340	40	66	99	129	158	185	211	227	240	247	257	269
341	43	71	116	148	175	195	220	231	247	246	264	272
342	43	71	112	146	176	198	221	238	259	262	265	274
343	40	65	102	135	161	180	209	229	248	249	264	276
344	38	54	86	124	157	183	205	223	236	239	249	261
345	40	61	104	142	172	206	233	249	264	268	274	283
346	58	84	124	155	187	208	228	244	265	270	285	297
347	45	69	112	152	184	213	237	253	269	279	287	308
348	53	79	121	160	194	216	238	258	272	Found dead		
349	48	73	113	153	185	205	239	262	280	273	294	313
350	48	71	109	139	176	205	235	253	280	279	305	310

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
351	42	66	108	150	181	202	234	248	267	256	278	292
352	47	71	117	156	194	221	251	275	297	300	313	331
353	52	79	112	162	189	215	237	255	270	278	277	297
354	40	62	95	121	160	188	213	230	239	248	259	266
355	42	64	101	136	162	185	215	229	249	251	268	277
356	44	61	99	136	160	190	209	222	234	242	256	263
357	38	56	97	138	182	214	245	260	276	291	298	308
358	32	41	65	96	122	155	179	195	214	226	234	243
359	55	70	108	148	183	214	244	262	279	297	308	322
360	43	57	91	123	158	188	209	229	242	263	281	293
361	44	57	101	146	182	197	214	221	229	250	249	254
362	50	49	80	122	157	177	206	224	239	245	263	277
363	62	72	108	144	184	185	197	214	230	233	234	253
364	55	61	94	140	178	198	242	266	282	282	304	319

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
365	42	71	119	155	186	211	241	252	270	269	289	298
366	44	65	103	138	162	Found dead						
367	51	74	108	141	172	187	211	220	245	250	259	267
368	54	82	128	157	178	208	229	248	261	264	275	285
369	53	80	121	154	183	211	237	256	273	285	292	309
370	43	65	106	145	176	197	221	233	252	255	261	270
371	50	78	122	167	194	230	256	270	283	302	309	323
372	43	68	110	151	177	202	224	238	252	254	269	282
373	46	71	106	145	175	198	224	237	252	263	272	281
374	45	70	104	139	168	190	212	229	240	246	259	269
375	34	50	83	123	155	186	202	229	237	249	258	272
376	38	56	96	134	162	185	209	226	242	243	249	259
377	42	59	97	131	159	163	200	217	229	239	Found dead	
378	40	59	92	129	161	159	204	228	244	251	257	275

Appendix 6 (continued) Individual Bodyweights (g) Before Pairing – Females

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
379	52	74	114	151	180	186	211	226	245	249	251	272
380	46	65	100	137	168	170	206	225	251	266	260	282
381	43	60	93	129	157	187	208	219	244	256	264	271
382	47	60	90	125	157	182	204	222	235	238	254	265
383	50	64	94	130	162	189	213	233	251	254	263	276
384	39	51	76	108	140	166	208	200	213	221	223	238
385	40	55	97	136	171	204	232	248	270	291	300	313
386	44	57	96	138	172	205	234	252	262	279	284	295
387	47	60	105	148	183	214	228	251	265	270	288	301
388	28	41	67	105	136	164	187	201	207	221	228	235
389	37	52	88	136	166	195	223	237	252	258	271	284
390	37	49	80	117	147	169	185	200	219	228	230	243
391	53	64	102	150	178	208	231	248	271	274	272	292
392	49	59	93	137	190	208	245	267	285	300	311	328

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
393	44	71	113	150	187	219	268	247	281	280	297	314
394	49	73	114	148	173	185	206	221	251	266	273	275
395	39	64	99	132	156	180	204	210	221	229	239	242
396	41	70	104	147	177	197	224	246	262	272	279	289
397	41	70	111	155	181	202	221	236	262	265	263	278
398	38	64	100	135	162	183	199	212	235	242	254	266
399	36	59	94	129	150	177	204	217	223	237	245	254
400	52	82	128	168	204	228	254	264	297	310	310	323
401	45	64	96	138	179	204	223	243	261	275	278	289
402	45	66	102	133	161	180	189	213	232	242	245	250
403	46	69	107	151	189	222	266	278	308	323	324	340
404	57	80	117	154	171	190	207	221	230	242	246	255
405	44	71	117	157	189	212	242	256	276	284	297	311
406	41	60	102	147	178	202	232	246	258	274	281	284

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
407	35	54	97	136	171	193	222	239	254	257	269	290
408	38	61	93	131	164	189	222	246	262	269	282	291
409	38	56	87	122	146	158	185	189	205	214	215	228
410	39	56	89	129	164	184	207	214	226	237	235	242
411	49	68	103	143	171	185	208	220	237	243	240	259
412	50	69	107	147	182	213	243	253	277	290	292	294
413	53	74	112	151	181	192	228	244	260	268	279	289
414	39	57	94	130	169	183	220	239	258	269	272	285
415	44	65	108	162	200	208	247	264	280	287	287	297
416	43	61	94	131	161	170	207	221	239	253	260	268
417	45	64	102	140	168	189	213	232	249	260	272	274
418	40	57	90	123	155	183	203	221	237	251	257	265
419	35	48	81	127	155	174	199	209	224	226	240	250
420	53	70	115	162	196	225	259	276	291	310	305	330

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
421	38	64	107	145	194	231	265	296	321	333	336	353
422	38	61	92	130	162	184	216	236	256	272	269	274
423	42	69	104	138	165	186	212	224	236	252	255	262
424	51	83	121	155	189	222	247	268	291	312	307	310
425	42	64	96	122	148	164	187	202	210	216	229	236
426	45	73	110	141	167	189	210	225	241	251	262	274
427	44	70	105	131	155	181	206	220	240	253	261	278
428	48	79	120	157	183	205	223	231	248	263	267	272
429	59	82	120	153	178	204	223	236	247	262	271	275
430	40	56	93	124	150	171	192	210	230	241	241	249
431	38	57	91	127	149	173	201	217	229	249	257	273
432	41	64	100	128	158	171	193	211	220	238	247	258
433	47	71	97	128	166	192	218	238	256	270	271	282
434	44	67	98	134	175	197	223	236	254	255	263	265

Appendix 6 (continued) **Individual Bodyweights (g) Before Pairing – Females**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Study week											
	17	18	19	20	21	22	23	24	25	26	27	28
435	63	85	122	169	198	231	253	270	272	292	296	300
436	49	65	96	129	153	173	199	207	218	235	241	247
437	49	71	110	143	167	193	218	238	245	260	274	269
438	31	47	81	119	158	180	203	213	232	237	242	253
439	38	58	99	148	175	204	230	241	257	251	274	292
440	47	67	113	159	193	220	249	275	287	295	304	320
441	48	66	103	143	175	200	224	239	247	265	258	271
412	44	59	98	142	176	212	237	253	273	290	296	299
413	38	50	81	118	142	160	176	188	196	199	207	217
444	46	59	96	136	163	185	205	215	230	247	253	259
445	40	57	98	133	161	187	214	228	244	254	270	274
446	45	57	97	140	172	190	220	239	260	265	283	293
447	55	65	109	144	172	191	212	227	235	237	249	261
448	64	73	116	151	189	218	242	259	275	296	300	309

Appendix 7 Individual Maturation Bodyweight Gain (g) – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
113	24	23	21	14	14	6	14	8	4	-5	123
114	32	22	12	12	18	15	5	2	10	5	133
115	24	17	31	15	7	4	14	12	-1	-3	120
116	28	29	18	21	14	13	2	10	10	-3	142
117	27	25	22	8	27	8	8	-2	30	8	161
118	30	21	26	5	8	6	9	12	-1	9	125
119	23	23	13	13	12	2	6	11	4	-3	104
120	19	26	14	7	23	15	2	4	12	13	135
121	32	22	23	15	10	17	13	7	-4	14	149
122	54	34	25	18	5	15	12	11	2	13	189
123	28	29	20	15	10	20	20	6	-4	15	159
124	-14	24	13	9	22	8	7	3	11	0	83
125	29	21	12	11	16	12	5	3	11	9	129
126	33	35	21	27	14	6	5	7	17	4	169

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
127	25	21	15	15	1	6	11	2	4	-3	97
128	24	25	17	11	2	10	11	6	2	12	120
129	30	22	21	10	18	14	2	9	12	5	143
130	25	16	16	15	18	6	1	7	10	-1	113
131	32	26	12	11	21	15	7	2	14	9	149
132	27	21	15	12	13	16	6	4	8	9	131
133	19	16	19	9	16	15	5	-2	13	11	121
134	18	18	15	17	19	5	8	6	8	3	117
135	21	28	20	16	7	8	14	4	4	7	129
136	27	31	20	11	13	11	7	5	2	16	143
137	39	36	31	15	22	18	9	2	8	13	193
138	31	25	28	16	22	19	1	7	9	11	169
139	29	28	25	19	9	1	31	9	0	-7	144
140	23	23	19	20	11	8	12	29	17	-16	146

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain week 1-11
141	32	35	26	15	13	15	14	6	2	9	167
142	17	28	14	16	14	2	5	6	8	3	113
143	24	28	17	7	22	12	11	-1	13	3	136
144	17	14	19	11	10	8	14	6	22	-18	103
145	31	34	25	25	12	8	12	2	16	3	168
146	19	18	24	18	8	1	11	8	-4	6	109
147	17	20	17	11	11	2	6	1	3	-1	87
148	29	21	19	10	15	14	2	4	7	8	129
149	22	25	17	22	13	3	10	8	5	7	132
150	23	23	17	11	12	8	17	4	3	7	125
151	27	40	18	18	8	13	13	8	-2	12	155
152	32	29	20	17	26	-5	12	6	1	8	146
153	30	22	15	15	17	10	7	8	11	2	137
154	23	21	17	12	10	3	18	8	1	-1	112

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain week 1-11
155	29	19	17	15	10	3	4	12	4	2	115
156	25	31	15	22	10	7	14	-2	18	7	147
157	25	33	22	16	7	16	11	3	1	8	142
158	20	22	14	13	1	16	12	9	4	3	114
159	31	14	23	9	16	5	2	8	13	7	128
160	28	25	26	12	12	13	14	0	-2	14	142
161	21	17	18	13	18	9	1	10	9	9	125
162	31	21	21	8	15	0	6	10	7	0	119
163	32	30	18	10	7	15	14	-4	0	8	130
164	22	27	17	11	13	9	-5	19	10	4	127
165	27	23	24	2	18	9	8	4	9	6	130
166	29	29	19	10	13	17	9	4	5	10	145
167	31	25	30	19	11	11	18	5	2	1	153
168	27	19	18	17	9	6	2	7	7	7	119

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
169	28	26	22	9	15	17	7	8	0	12	144
170	26	21	19	20	10	12	10	6	4	4	132
171	31	32	15	6	29	8	6	-2	13	9	147
172	27	25	13	7	15	-13	30	6	-4	11	117
173	36	28	22	16	14	12	6	2	10	7	153
174	29	20	30	13	6	6	17	11	5	0	137
175	30	17	19	20	10	-1	8	12	1	1	117
176	23	16	23	18	7	7	13	5	-1	1	112
177	30	24	25	10	19	9	10	9	8	1	145
178	33	28	18	16	9	9	7	12	12	9	153
179	28	18	25	10	17	10	5	8	5	-1	125
180	35	32	18	22	9	22	7	14	4	8	171
181	31	26	22	10	20	9	6	2	7	9	142
182	21	16	27	8	26	3	21	12	5	-4	135

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
183	27	25	25	14	18	11	8	15	3	2	148
184	33	28	25	13	22	15	3	5	8	9	161
185	24	30	15	10	19	8	5	9	4	5	129
186	29	30	17	13	19	7	0	11	7	5	138
187	34	25	24	-1	30	3	16	10	1	19	161
188	26	25	17	13	18	3	5	13	8	5	133
189	34	35	29	11	15	19	10	0	2	12	167
190	26	20	11	-8	16	9	1	7	5	4	91
191	33	25	19	8	22	17	0	1	11	12	148
192	30	29	22	14	28	24	12	2	15	14	190
193	24	23	12	11	20	9	9	8	17	-2	131
194	23	22	11	8	13	12	13	12	10	1	125
195	19	16	21	11	7	8	10	13	4	-8	101
196	21	17	20	10	12	2	6	13	6	-1	106

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
197	30	30	18	3	9	15	11	5	0	12	133
198	29	27	20	10	21	-20	38	19	2	4	150
199	17	30	16	9	9	44	-31	2	-1	9	104
200	16	13	17	10	9	6	13	2	2	2	90
201	28	21	21	9	15	6	8	7	9	-6	118
202	31	32	22	5	13	10	8	5	7	10	143
203	33	23	36	21	12	7	14	8	8	-1	161
204	29	24	29	9	12	8	13	10	5	-4	135
205	29	20	17	18	16	7	3	3	2	3	118
206	26	32	19	21	7	14	11	3	3	10	146
207	31	30	22	18	19	8	11	0	5	10	154
208	23	21	32	15	11	1	19	-4	7	1	126
209	25	29	16	6	7	20	1	6	-4	10	116
210	28	23	21	10	13	15	14	4	5	-1	132

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Study Week										
	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	Cumulative gain Week 1-11
211	34	20	19	9	20	15	7	5	7	6	142
212	24	28	14	12	20	10	9	-2	11	2	128
213	34	21	22	15	12	11	12	3	11	8	149
214	21	25	15	11	19	7	2	5	6	8	119
215	26	29	18	13	12	15	6	6	8	6	139
216	26	18	0	38	10	8	17	8	-5	-2	118
217	22	28	22	9	11	15	9	7	4	11	138
218	25	30	16	10	17	16	3	4	11	7	139
219	26	23	11	9	17	12	-2	5	11	2	114
220	24	27	20	7	19	11	1	7	5	8	129
221	20	15	28	15	10	21	5	7	11	3	135
222	29	29	18	22	7	13	21	10	-3	12	158
223	18	12	29	12	16	5	13	4	2	11	122
224	28	31	18	11	10	8	17	0	1	10	134

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
337	32	42	36	33	29	11	16	9	14	-2	13	233
338	29	34	35	32	21	26	21	14	10	15	13	250
339	27	38	40	40	31	29	22	20	9	10	16	282
340	26	33	30	29	27	26	16	13	7	10	12	229
341	28	45	32	27	20	25	11	16	-1	18	8	229
342	28	41	34	30	22	23	17	21	3	3	9	231
343	25	37	33	26	19	29	20	19	1	15	12	236
344	16	32	38	33	26	22	18	13	3	10	12	223
345	21	43	38	30	34	27	16	15	4	6	9	243
346	26	40	31	32	21	20	16	21	5	15	12	239
347	24	43	40	32	29	24	16	16	10	8	21	263
348	26	42	39	34	22	22	20	14	Found dead			
349	25	40	40	32	20	34	23	18	-7	21	19	265
350	23	38	30	37	29	30	18	27	-1	26	5	262

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
351	24	42	42	31	21	32	14	19	-11	22	14	250
352	24	46	39	38	27	30	24	22	3	13	18	284
353	27	33	50	27	26	22	18	15	8	-1	20	245
354	22	33	26	39	28	25	17	9	9	11	7	226
355	22	37	35	26	23	30	14	20	2	17	9	235
356	17	38	37	24	30	19	13	12	8	14	7	219
357	18	41	41	44	32	31	15	16	15	7	10	270
358	9	24	31	26	33	24	16	19	12	8	9	211
359	15	38	40	35	31	30	18	17	18	11	14	267
360	14	34	32	35	30	21	20	13	21	18	12	250
361	13	44	45	36	15	17	7	8	21	-1	5	210
362	-1	31	42	35	20	29	18	15	6	18	14	227
363	10	36	36	40	1	12	17	16	3	1	19	191
364	6	33	46	38	20	44	24	16	0	22	15	264

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
365	29	48	36	31	25	30	11	18	-1	20	9	256
366	21	38	35	24	Found dead							
367	23	34	33	31	15	24	9	25	5	9	8	216
368	28	46	29	21	30	21	19	13	3	11	10	231
369	27	41	33	29	28	26	19	17	12	7	17	256
370	22	41	39	31	21	24	12	19	3	6	9	227
371	28	44	45	27	36	26	14	13	19	7	14	273
372	25	42	41	26	25	22	14	14	2	15	13	239
373	25	35	39	30	23	26	13	15	11	9	9	235
374	25	34	35	29	22	22	17	11	6	13	10	224
375	16	33	40	32	31	16	27	8	12	9	14	238
376	18	40	38	28	23	24	17	16	1	6	10	221
377	17	38	34	28	4	37	17	12	10	Found dead		
378	19	33	37	32	-2	45	24	16	7	6	18	235

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Cage Number		Study Week													
		1	2	3	4	5	6	7	8	9	10	14	15	16	17
8	N	29.9 4	31.8 4	31.8 4	32.0 4	29.5 4	30.5 4	30.8 4	29.0 4	31.1 4	28.5 4	29.6 4	30.5 4	31.4 4	29.9 4
9	N	29.2 4	30.5 4	30.1 4	27.0 4	25.6 4	28.3 4	28.3 4	26.0 4	26.1 4	24.3 4	25.4 4	26.3 4	28.6 4	27.8 4
10	N	30.5 4	34.6 4	32.3 4	31.5 4	31.5 4	32.3 4	32.4 4	29.8 4	31.1 4	29.3 4	29.6 4	30.5 4	31.5 4	30.8 4
11	N	29.2 4	31.8 4	32.2 4	30.4 4	30.3 4	30.4 4	32.3 4	30.1 4	31.2 4	29.3 4	28.3 4	29.7 4	31.1 4	29.4 4
12	N	27.9 4	30.1 4	27.8 4	27.6 4	26.4 4	26.8 4	26.9 4	24.5 4	25.3 4	23.0 4	26.3 4	28.8 4	28.8 4	26.5 4
13	N	29.2 4	32.3 4	29.2 4	29.0 4	28.6 4	28.3 4	28.6 4	26.9 4	28.1 4	26.4 4	26.4 4	27.3 4	29.1 4	28.2 4
14	N	30.5 4	34.9 4	32.0 4	31.7 4	29.2 4	29.5 4	30.2 4	27.2 4	28.8 4	27.9 4	29.2 4	29.5 4	29.6 4	29.4 4

N = Number of animals alive at end of week

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
393	27	42	37	37	32	49	-21	34	-1	17	17	270
394	24	41	34	25	12	21	15	30	15	7	2	226
395	25	35	33	24	24	24	6	11	8	10	3	203
396	29	34	43	30	20	27	22	16	10	7	10	248
397	29	41	44	26	21	19	15	26	3	-2	15	237
398	26	36	35	27	21	16	13	23	7	12	12	228
399	23	35	35	21	27	27	13	6	14	8	9	218
400	30	46	40	36	24	26	10	33	13	0	13	271
401	19	32	42	41	25	19	20	18	14	3	11	244
402	21	36	31	28	19	9	24	19	10	3	5	205
403	23	38	44	38	33	44	12	30	15	1	16	294
404	23	37	37	17	19	17	14	9	12	4	9	198
405	27	46	40	32	23	30	14	20	8	13	14	267
406	19	42	45	31	24	30	14	12	16	7	3	243

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
407	19	43	39	35	22	29	17	15	3	12	21	255
408	23	32	38	33	25	33	24	16	7	13	9	253
409	18	31	35	24	12	27	4	16	9	1	13	190
410	17	33	40	35	20	23	7	12	11	-2	7	203
411	19	35	40	28	14	23	12	17	6	-3	19	210
412	19	38	40	35	31	30	10	24	13	2	2	244
413	21	38	39	30	11	36	16	16	8	11	10	236
414	18	37	36	39	14	37	19	19	11	3	13	246
415	21	43	54	38	8	39	17	16	7	0	10	253
416	18	33	37	30	9	37	14	18	14	7	8	225
417	19	38	38	28	21	24	19	17	11	12	2	229
418	17	33	33	32	28	20	18	16	14	6	8	225
419	13	33	46	28	19	25	10	15	2	14	10	215
420	17	45	47	34	29	34	17	15	19	-5	25	277

Appendix 7 (continued) **Individual Maturation Bodyweight Gain (g) – Females**

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
421	26	43	38	49	37	34	31	25	12	3	17	315
422	23	31	38	32	22	32	20	20	16	-3	5	236
423	27	35	34	27	21	26	12	12	16	3	7	220
424	32	38	34	34	33	25	21	23	21	-5	3	259
425	22	32	26	26	16	23	15	8	6	13	7	194
426	28	37	31	26	22	21	15	16	10	11	12	229
427	26	35	26	24	26	25	14	20	13	8	17	234
428	31	41	37	26	22	18	8	17	15	4	5	224
429	23	38	33	25	26	19	13	11	15	9	4	216
430	16	37	31	26	21	21	18	20	11	0	8	209
431	19	34	36	22	24	28	16	12	20	8	16	235
432	23	36	28	30	13	22	18	9	18	9	11	217
433	24	26	31	38	26	26	20	18	14	1	11	235
434	23	31	36	41	22	26	13	18	1	8	2	221

Appendix 7 (continued) Individual Maturation Bodyweight Gain (g) – Females

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Study Week											
	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	Cumulative gain Week 17-28
435	22	37	47	29	33	22	17	2	20	4	4	237
436	16	31	33	24	20	26	8	11	17	6	6	198
437	22	39	33	24	26	25	20	7	15	14	-5	220
438	16	34	38	39	22	23	10	19	5	5	11	222
439	20	41	49	27	29	26	11	16	-6	23	18	254
440	20	46	46	34	27	29	26	12	8	9	16	273
441	18	37	40	32	25	24	15	8	18	-7	13	223
412	15	39	44	34	36	25	16	20	17	6	3	255
413	12	31	37	24	18	16	12	8	3	8	10	179
444	13	37	40	27	22	20	10	15	17	6	6	213
445	17	41	35	28	26	27	14	16	10	16	4	234
446	12	40	43	32	18	30	19	21	5	18	10	248
447	10	44	35	28	19	21	15	8	2	12	12	206
448	9	43	35	38	29	24	17	16	21	4	9	245

Appendix 8 **Cage Mean Food Consumption (g/rat/day) – Males**
(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Cage Number		Study Week													
		1	2	3	4	5	6	7	8	9	10	14	15	16	17
1	N	27.4 4	29.1 4	30.0 4	29.6 4	29.3 4	28.8 4	29.5 4	27.0 4	28.8 4	27.4 4	28.7 4	29.9 4	30.9 4	28.2 4
2	N	29.2 4	30.4 4	31.4 4	30.3 4	29.0 4	29.5 4	28.3 4	27.3 4	28.4 4	26.8 4	27.9 4	28.8 4	31.0 4	28.3 4
3	N	29.4 4	31.2 4	32.0 4	32.1 4	31.9 4	30.9 4	30.5 4	28.3 4	29.9 4	27.0 4	31.4 4	31.0 4	30.3 4	28.6 4
4	N	28.3 4	30.1 4	29.8 4	30.1 4	28.5 4	29.6 4	29.2 4	29.0 4	29.5 4	27.2 4	29.9 4	31.9 4	31.4 4	29.4 4
5	N	26.6 4	27.7 4	28.0 4	27.3 4	26.5 4	25.6 4	25.9 4	23.6 4	24.9 4	22.9 4	26.5 4	27.2 4	28.9 4	25.9 4
6	N	29.4 4	30.3 4	29.2 4	29.3 4	28.4 4	28.1 4	28.1 4	25.0 4	27.2 4	23.9 4	28.1 4	28.5 4	28.4 4	27.0 4
7	N	27.5 4	28.9 4	28.4 4	28.6 4	28.1 4	28.5 4	27.7 4	24.8 4	26.8 4	25.3 4	28.3 4	29.0 4	30.0 4	27.4 4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Cage Number		Study Week													
		1	2	3	4	5	6	7	8	9	10	14	15	16	17
8	N	29.9 4	31.8 4	31.8 4	32.0 4	29.5 4	30.5 4	30.8 4	29.0 4	31.1 4	28.5 4	29.6 4	30.5 4	31.4 4	29.9 4
9	N	29.2 4	30.5 4	30.1 4	27.0 4	25.6 4	28.3 4	28.3 4	26.0 4	26.1 4	24.3 4	25.4 4	26.3 4	28.6 4	27.8 4
10	N	30.5 4	34.6 4	32.3 4	31.5 4	31.5 4	32.3 4	32.4 4	29.8 4	31.1 4	29.3 4	29.6 4	30.5 4	31.5 4	30.8 4
11	N	29.2 4	31.8 4	32.2 4	30.4 4	30.3 4	30.4 4	32.3 4	30.1 4	31.2 4	29.3 4	28.3 4	29.7 4	31.1 4	29.4 4
12	N	27.9 4	30.1 4	27.8 4	27.6 4	26.4 4	26.8 4	26.9 4	24.5 4	25.3 4	23.0 4	26.3 4	28.8 4	28.8 4	26.5 4
13	N	29.2 4	32.3 4	29.2 4	29.0 4	28.6 4	28.3 4	28.6 4	26.9 4	28.1 4	26.4 4	26.4 4	27.3 4	29.1 4	28.2 4
14	N	30.5 4	34.9 4	32.0 4	31.7 4	29.2 4	29.5 4	30.2 4	27.2 4	28.8 4	27.9 4	29.2 4	29.5 4	29.6 4	29.4 4

N = Number of animals alive at end of week

Appendix 8 (continued) Cage Mean Food Consumption (g/rat/day) – Males
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Cage Number		Study Week													
		1	2	3	4	5	6	7	8	9	10	14	15	16	17
15		28.0	29.9	28.4	26.7	25.8	26.7	27.6	26.6	27.6	26.4	27.8	27.9	29.2	26.8
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16		28.7	29.8	29.0	27.7	26.0	26.0	27.0	25.3	27.3	26.1	25.4	26.1	29.0	26.7
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17		29.0	32.0	29.9	29.3	27.4	27.4	28.3	27.1	28.3	26.8	26.6	27.9	30.1	28.9
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18		30.5	34.6	33.5	31.6	30.0	30.3	30.6	28.6	30.6	29.1	30.0	31.3	33.9	30.2
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19		27.3	29.5	27.8	27.0	24.9	25.6	25.7	24.4	26.0	24.1	23.8	25.2	28.7	26.6
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20		29.5	31.6	30.5	30.4	27.3	27.6	27.9	26.0	27.8	26.7	26.4	27.8	30.1	27.1
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21		29.5	32.9	30.1	30.2	28.6	29.5	28.8	28.5	28.4	27.1	27.4	29.4	32.5	29.0
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Cage Number		Study Week													
		1	2	3	4	5	6	7	8	9	10	14	15	16	17
22		28.5	31.6	30.3	30.8	28.2	28.9	30.3	30.2	29.8	27.7	30.4	30.6	32.5	28.6
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
23		29.3	30.7	29.5	30.0	28.1	28.6	28.6	27.5	29.7	25.2	29.8	30.9	32.5	29.1
	N	4	4	4	4	4	4	4	4	4	4	3	3	3	3
24		29.8	33.6	32.0	31.0	28.2	30.1	30.2	27.1	29.1	28.9	29.4	30.5	33.0	27.6
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25		30.4	28.2	27.5	28.4	26.4	26.2	27.0	25.1	26.4	24.7	26.1	27.3	30.6	25.6
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26		27.8	29.7	29.0	28.9	26.4	26.8	27.5	25.5	28.1	25.0	26.7	27.4	29.3	25.6
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27		27.0	29.8	29.3	29.1	26.6	26.8	26.8	26.3	27.7	25.2	29.6	29.1	30.9	27.5
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28		28.5	31.0	30.0	28.9	26.7	27.5	28.5	26.2	29.9	25.8	29.5	29.6	30.4	29.0
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
57		14.7	20.5	25.4	29.8	31.2	29.5	30.4	29.4	28.3
	N	4	4	4	4	4	4	4	4	4
58		12.3	18.4	21.7	24.5	25.1	23.9	26.5	24.3	25.1
	N	4	3	3	3	3	3	3	3	3
59		15.5	20.8	25.2	29.1	30.3	28.1	31.3	29.1	28.9
	N	4	4	4	4	4	4	4	4	4
60		15.4	19.5	24.3	28.5	28.6	27.8	31.3	28.9	27.9
	N	4	4	4	4	4	4	4	4	4
61		14.3	19.5	22.7	25.3	26.3	25.3	27.7	24.7	23.8
	N	4	4	4	4	4	4	4	4	4
62		14.2	20.4	25.5	29.3	30.5	28.5	31.1	28.5	28.5
	N	4	4	4	4	4	4	4	4	4
63		13.9	19.7	24.6	28.5	30.0	29.5	31.1	29.4	28.7
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
64		15.8	22.5	26.5	29.6	29.0	27.2	29.6	26.8	19.5
	N	4	4	4	4	4	4	4	4	4
65		16.1	24.1	28.5	32.3	32.5	29.9	31.1	29.2	28.5
	N	4	4	4	4	4	4	4	4	4
66		14.3	20.6	24.8	28.9	28.1	25.5	28.8	26.5	25.7
	N	4	4	4	4	4	4	4	4	4
67		15.1	21.3	25.0	29.9	29.0	27.2	30.5	27.8	26.9
	N	4	4	4	4	4	4	4	4	4
68		12.9	18.5	22.1	26.0	26.2	25.3	27.7	25.5	25.6
	N	4	4	4	4	4	4	4	4	4
69		13.3	20.0	25.3	31.1	31.5	29.7	32.4	30.3	28.6
	N	4	4	4	4	4	4	4	4	4
70		12.9	19.4	24.6	29.5	29.2	27.9	30.3	26.8	26.1
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
71		15.2	21.4	25.3	32.8	30.3	28.6	31.3	29.0	28.6
	N	4	4	4	4	4	4	4	4	4
72		14.8	21.0	24.5	29.2	28.6	27.8	29.8	27.3	27.2
	N	4	4	4	4	4	4	4	4	4
73		15.5	22.0	25.6	28.4	29.7	26.9	29.8	26.7	26.1
	N	4	4	4	4	4	4	4	4	4
74		14.1	21.6	25.6	30.8	33.2	29.4	32.1	28.1	27.6
	N	4	4	4	4	4	4	4	4	4
75		15.4	21.7	26.1	29.1	31.4	27.9	30.6	27.9	26.8
	N	4	4	4	4	4	4	4	4	4
76		15.5	21.7	26.8	30.0	30.3	28.3	30.4	27.2	26.5
	N	4	4	4	4	4	4	4	4	4
77		12.8	19.3	24.1	27.2	29.5	28.2	29.7	27.0	25.8
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 8 (continued) **Cage Mean Food Consumption (g/rat/day) – Males**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
78		16.0	23.2	26.7	30.2	30.0	29.9	32.0	29.4	28.8
	N	4	4	4	4	4	4	4	4	4
79		15.4	21.5	24.2	26.8	32.0	25.9	27.9	24.9	24.5
	N	4	4	4	4	4	4	4	4	4
80		15.0	20.8	23.9	28.8	29.5	28.6	31.4	29.3	26.6
	N	4	4	4	4	4	4	4	4	4
81		14.7	17.3	22.0	24.4	26.5	25.5	28.0	23.9	23.4
	N	4	4	4	4	4	4	4	4	4
82		14.1	20.8	23.4	26.8	25.9	23.3	27.3	24.5	24.0
	N	4	4	4	4	4	4	4	4	4
83		15.2	21.8	26.6	29.7	30.2	28.8	31.3	29.1	27.1
	N	4	4	4	4	4	4	4	4	4
84		15.4	21.6	25.8	28.0	30.1	28.8	31.5	28.4	27.3
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 Cage Mean Food Consumption (g/rat/day) Before Pairing – Females
(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Cage Number		Study Week									
		1	2	3	4	5	6	7	8	9	10
29		18.8	20.6	19.3	19.2	17.4	18.7	17.9	18.1	17.0	16.8
	N	4	4	4	4	4	4	4	4	4	4
30		18.2	19.4	19.6	18.0	17.8	18.5	17.3	17.3	17.7	18.0
	N	4	4	4	4	4	4	4	4	4	4
31		18.9	20.6	21.1	20.5	19.6	21.2	21.3	21.7	19.6	20.3
	N	4	4	4	4	4	4	4	4	4	4
32		17.9	21.3	21.1	19.8	17.3	19.6	19.1	18.7	17.3	18.1
	N	4	4	4	4	4	4	4	4	4	4
33		17.4	18.6	17.8	17.5	17.3	18.3	17.0	16.5	16.2	16.9
	N	4	4	4	4	4	4	4	4	4	4
34		18.1	18.4	19.3	18.3	17.6	19.3	18.1	17.7	17.4	18.0
	N	4	4	4	4	4	4	4	4	4	4
35		19.4	22.0	21.5	21.6	20.8	22.4	21.6	22.0	20.3	19.0
	N	4	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Cage Number		Study Week									
		1	2	3	4	5	6	7	8	9	10
36		18.4	18.8	20.5	19.1	18.0	19.1	18.5	17.3	17.3	16.9
	N	4	4	4	4	4	4	4	4	4	4
37		19.5	20.6	21.3	19.1	18.8	19.1	17.8	18.3	17.5	17.8
	N	4	4	4	4	4	4	4	4	4	4
38		20.9	20.9	22.1	20.6	20.7	21.4	21.1	20.1	18.8	19.2
	N	4	4	4	4	4	4	4	4	4	4
39		19.6	20.5	19.5	19.3	19.2	19.8	18.9	19.5	19.0	17.8
	N	4	4	4	4	4	4	4	4	4	4
40		18.9	19.1	20.7	19.6	18.7	19.9	18.6	18.2	18.1	17.6
	N	4	4	4	4	4	4	4	4	4	4
41		19.0	20.3	19.1	19.1	19.2	19.1	18.4	18.7	19.1	17.7
	N	4	4	4	4	4	4	4	4	4	4
42		20.5	20.9	22.1	20.2	19.4	21.3	19.5	19.4	18.8	18.7
	N	4	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Cage Number		Study Week									
		1	2	3	4	5	6	7	8	9	10
43		19.2	20.2	18.9	18.6	18.1	18.9	17.9	17.8	17.0	17.2
	N	4	4	4	4	4	4	4	4	4	4
44		18.6	19.1	19.1	19.7	18.2	19.3	18.8	19.9	18.2	17.8
	N	4	4	4	4	4	4	4	4	4	4
45		20.1	21.4	20.7	20.9	20.5	21.8	19.5	21.0	20.1	19.2
	N	4	4	4	4	4	4	4	4	4	4
46		19.6	20.5	22.4	21.3	20.6	22.0	20.4	21.9	20.6	20.0
	N	4	4	4	4	4	4	4	4	4	4
47		19.2	20.2	19.6	19.2	19.1	18.9	18.5	18.7	22.4	14.2
	N	4	4	4	4	4	4	4	4	4	4
48		19.0	19.2	20.0	19.4	17.9	21.1	18.2	19.7	17.8	18.7
	N	4	4	4	4	4	4	4	4	4	4
49		19.3	20.3	19.8	18.3	18.9	19.7	19.8	20.2	18.9	17.6
	N	4	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Cage Number		Study Week									
		1	2	3	4	5	6	7	8	9	10
50	N	17.9 4	18.1 4	18.6 4	17.8 4	16.1 4	18.4 4	17.7 4	18.0 4	18.9 4	16.6 4
51	N	18.9 4	20.4 4	21.2 4	20.3 4	19.3 4	19.5 4	18.9 4	19.4 4	18.4 4	18.5 4
52	N	19.4 4	20.2 4	21.8 4	21.3 4	20.5 4	21.0 4	20.8 4	21.5 4	20.0 4	20.3 4
53	N	17.9 4	18.8 4	17.3 4	16.8 4	17.3 4	18.5 4	17.9 4	16.0 4	15.8 4	16.0 4
54	N	18.1 4	18.4 4	19.0 4	18.0 4	17.3 4	19.4 4	18.8 4	18.6 4	17.5 4	18.0 4
55	N	18.7 4	20.4 4	20.1 4	19.8 4	19.1 4	19.9 4	19.8 4	20.9 4	19.6 4	18.0 4
56	N	19.1 4	19.4 4	20.2 4	20.0 4	19.4 4	21.6 4	22.1 4	23.3 4	20.9 4	20.8 4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
85		13.8	17.0	17.9	18.6	18.9	19.6	21.5	19.9	17.9
	N	4	4	4	4	4	4	4	4	4
86		12.8	15.6	15.4	16.5	16.8	17.3	19.3	17.1	16.9
	N	4	4	4	4	4	4	4	4	4
87		14.1	17.5	18.7	19.9	20.1	20.1	28.1	20.1	20.3
	N	4	4	4	4	4	4	4	3	3
88		14.7	18.5	19.4	20.9	21.3	22.3	24.4	21.8	20.3
	N	4	4	4	4	4	4	4	4	4
89		13.0	16.1	16.7	17.4	17.9	17.9	19.4	17.9	17.3
	N	4	4	4	4	4	4	4	4	4
90		12.0	15.7	15.9	18.5	19.6	19.6	21.0	20.0	19.8
	N	4	4	4	4	4	4	4	4	4
91		12.1	16.6	18.7	17.9	19.0	18.8	22.4	19.8	19.3
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
92	N	14.8 4	16.7 4	17.1 4	17.2 3	18.7 3	19.1 3	21.6 3	18.6 3	18.7 3
93	N	14.6 4	17.6 4	17.8 4	19.1 4	19.7 4	19.5 4	21.3 4	19.3 4	20.3 4
94	N	12.8 4	16.0 4	17.0 4	18.5 4	18.9 4	18.7 4	19.9 4	17.7 4	17.9 4
95	N	13.4 4	16.5 4	17.9 4	16.6 4	19.2 4	19.1 4	21.2 4	19.4 4	18.1 3
96	N	11.5 4	14.0 4	15.2 4	16.4 4	16.9 4	16.6 4	18.0 4	16.4 4	15.5 4
97	N	12.4 4	16.2 4	17.7 4	18.6 4	19.0 4	18.7 4	20.9 4	20.5 4	19.4 4
98	N	12.0 4	17.0 4	18.3 4	18.9 4	20.0 4	19.6 4	21.8 4	20.2 4	19.8 4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
99		13.6	17.5	15.8	17.4	18.8	17.9	19.4	17.4	17.2
	N	4	4	4	4	4	4	4	4	4
100		13.8	17.4	17.4	18.3	18.1	18.3	20.4	19.0	19.5
	N	4	4	4	4	4	4	4	4	4
101		13.5	17.1	17.1	18.3	18.3	18.9	20.7	19.6	19.0
	N	4	4	4	4	4	4	4	4	4
102		13.5	17.1	17.8	19.1	20.0	19.3	21.5	20.0	20.0
	N	4	4	4	4	4	4	4	4	4
103		12.3	15.5	16.6	17.1	18.1	17.4	19.4	17.9	17.4
	N	4	4	4	4	4	4	4	4	4
104		13.7	17.9	18.0	17.9	18.7	18.8	20.8	19.0	18.9
	N	4	4	4	4	4	4	4	4	4
105		13.0	17.2	17.9	18.6	19.1	19.9	20.7	19.2	19.1
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 9 (continued) **Cage Mean Food Consumption (g/rat/day) Before Pairing – Females**
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Cage Number		Study Week								
		19	20	21	22	23	24	25	26	27
106		13.0	16.6	17.1	18.5	19.3	20.0	20.9	19.3	18.9
	N	4	4	4	4	4	4	4	4	4
107		13.5	15.6	16.4	16.6	17.0	16.8	18.3	16.4	17.2
	N	4	4	4	4	4	4	4	4	4
108		12.1	14.9	15.6	16.7	17.7	17.0	19.5	17.7	18.2
	N	4	4	4	4	4	4	4	4	4
109		12.4	15.3	16.3	17.4	18.4	17.8	20.3	18.3	17.9
	N	4	4	4	4	4	4	4	4	4
110		12.8	16.8	16.9	18.7	18.4	18.6	20.2	18.0	19.5
	N	4	4	4	4	4	4	4	4	4
111		12.5	16.1	16.6	17.8	17.8	17.3	19.2	16.7	17.4
	N	4	4	4	4	4	4	4	4	4
112		13.8	16.9	18.3	19.0	20.0	19.4	22.7	19.4	19.6
	N	4	4	4	4	4	4	4	4	4

N = Number of animals alive at end of week

Appendix 10 Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
113	D	D	D	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D
114	E_1	E_1-E_2	M	D	D	E_1	D	D	D	E_1	D
115	D	D	D	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D
116	D	D	E_2	D	D	D	E_1	D	D	D-P	P-E_1
117	D	E_1-E_2	D	D	D	D	D	D	D	D	D
118	E_1-E_2	D	D	D	E_1	M-D	D	D	P-E_1	M-D	D
119	D	D	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D	E_1-E_2
120	D	E_1-E_2	D	D	D	E_1-E_2	D	D	D	E_1-E_2	D
121	E_1	D	D	E_1	E_1	M-D	D	D	P-E_1	M-D	D
122	E_2	D	D	D	E_2	D	D	D	E_1	D	D
123	E_1-E_2	D	D	D	P-E_1	D	D	D-P	E_1-E_2	D	D
124	D-P	E_2	M-D	D	D	E_1	D	D	D-P	P-E_1	M-D
125	D-P	E_2	D	D	D-P	E_1-E_2	D	D	D-P	E_1	D
126	D	D	E_1	D	D	D	E_1-E_2	M-D	D	D	D-P

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
113	E_1	D	D	D	E_1	D	D	D-P	P-E_1	D	Regular
114	D	D	E_1-E_2	M-D	D	D	E_1-E_2	M	D	D	Regular
115	E_1-E_2	D	D	D	E_2	D	D	D	E_1-E_2	M-D	Regular
116	D	D	D	P-E_1	D	D	D	P-E_1	M-D	D	Regular
117	D	D	D	D	D	E_2	M-D	D	D-P	E_1-E_2	Extended di-oestrus
118	D-P	E_1	D	D	D-P	P-E_1	M-D	D	D	E_1	Regular
119	M-D	D	D	E_1	D	D	D-P	E_1	D	D	Regular
120	D	D	E_2	D	D	D	E_2	D	D	D	Regular
121	D-P	E_1	D	D	D-P	E_1	D	D	D-P	P-E_1	Regular
122	D	E_1	D	D	D	E_1	M-D	D	D	E_1	Regular
123	D	E_1-E_2	D	D	D	E_1	M-D	D	D	E_1	Regular
124	D	D-P	D-P	M-D	D	D	E_1-E_2	M-D	D	E_1	Regular
125	D	D-P	E_1-E_2	D	D	D	E_1-E_2	D	D	D	Regular
126	M-D	D	D	D-P	M-D	D	D	E_1	D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) **Individual Oestrous Cycle Assessment – Females**

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
127	D	D	D	E1	D	D	D-P	E_1	M-D	D	D
128	E_1-E_2	M	D	D	E_1	D	D	D	E_1	D	D
129	D	P-E_1	M-D	D	E_1	E_1	M-D	D	D	P-E_1	M-D
130	D	D	E_1	D	D	D-P	E_2	D	D	D-P	P-E_1
131	E_1	E_2	D	D	D	E_2	M-D	D	D-P	E_1	D
132	E_1	E_1	D	D	D	E_1	M-D	D	D-P	E_1	M-D
133	D-P	E_1-E_2	D	D	D-P	P-E_1	D	D	D	P-E_1	D
134	D	D	E_1-E_2	D	D	D	E_2	M-D	D	D-P	P-E_1
135	E_1-E_2	D	D	D-P	E_1	D	D	D	E_1	M-D	D
136	P-E_1	D	D	D	E_1	D	D	D	E_1-E_2	D	D
137	D-P	E_2	D	D	P-E_1	E_1	D	D-P	D-P	E_1-E_2	D
138	D	E_2	D	D	D	E_1-E_2	D	D	D	E_1-E_2	D
139	E_1-E_2	M-D	D	D	E_1	D	D	D-P	E_1	D	D
140	D	D	D	D	D	D	D	D	D	D-P	P-E_1

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) **Individual Oestrous Cycle Assessment – Females**

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
127	E_1-E_2	D	D	D	P-E_1	M-D	D	D	D-P	M	Regular
128	D-P	E_1-E_2	D	D	D-P	E_1	D	D	D-P	D	Regular
129	D	D	E_1	M-D	D	D	P-E_1	M-D	D	D	Regular
130	D	D	D	E_1	M	D	D-P	E_1	M-D	D	Regular
131	D	D	E_1	D	D	D	E_2	M-D	D	D	Regular
132	D	D	E_1	D	D	D	E_1	M-D	D	D	Regular
133	D	D	P-E_1	D	D	D	P	D	D	D	Regular
134	M-D	D	D	E_1-E_2	D	D	D	E_1-E_2	D	D	Regular
135	D	E_1	D	D	D-P	E_1	D	D	E_1	D	Regular
136	D	E_1-E_2	D	D	D	E_1	M-D	D	D	D	Regular
137	D	D	E_1-E_2	M	D	D	E_2	M-D	D	D	Regular
138	D	D	E_1	D	D	D	P-E_1	M-D	D	D	Regular
139	D-P	E_1-E_2	D	D	D-P	P-E_1	D	D	D	E_1-E_2	Regular
140	M-D	D	D	D-P	D	D	D	E_1-E_2	D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
141	E_1	M-D	D	D-P	P-E_1	M-D	D	D-P	E_1-E_2	D	D
142	D	P-E_1	P-E_1	E_1	D	D	D-P	D-P	P-E_1	P-E_1	P-E_1
143	D	E_2	D	D	D	P-E_1	D	D	D	E_1	M-D
144	D	D	D	P-E_1	D	D	D-P	P-E_1	D	D	D
145	D	P	D	D	D	P-E_1	P-E_1	D	D	D	P-E_1
146	D	D	D-P	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D
147	M-D	D	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D-P
148	E_1-E_2	D	D	D	P-E_1	D	D	D	E_1-E_2	D	D
149	D	D-P	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D	E_1
150	E_1-E_2	D	D	D	P-E_1	D	D	D-P	E_2	D	D
151	E_2	D	D	D-P	E_2	D	D	D-P	E_2	M-D	D
152	E_1-E_2	D	D	D-P	E_2	D	D	D-P	E_2	D	D
153	D	D-P	E_1	D	D	D-P	E_2	D	D	D-P	P-E_1
154	D	D	D-P	E_1-E_2	D	D	P	E_2	M-D	D	D-P

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
141	D	E_1	M-D	D	D	E_1	M	D	D	E_1	Regular
142	P-E_1	E_1	E_1	E_1	E_1	E_1	E_1	D	P-E_1	E_1	Extended oestrus
143	D	D	E_1-E_2	D	D	D	E_1-E_2	D	D	D	Regular
144	D-P	E_1	D	D	P-E_1	D	D	D	P-E_1	D	Regular
145	M-D	D	D	D-P	P	D	D	D	P-E_1	E_1	Regular
146	E_1-E_2	M-D	D	D	E_2	D	D	D	P-E_1	M-D	Regular
147	E_1	D	D	D	E_1	D	D	D	E_1	M-D	Regular
148	D	E_2	D	D	D	E_1-E_2	D	D	D	E_1	Regular
149	D	D	D	E_1	D	D	D	P-E_1	M-D	D	Regular
150	D-P	P-E_1	D	D	D	E_1-E_2	M-D	D	D	D	Regular
151	D-P	E_1-E_2	D	D	E_1-E_2	E_1-E_2	D	D	D	E_2	Regular
152	D-P	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D	D-P	Regular
153	D	D	D	E_1	D	D	D	E_1	D	D	Regular
154	E_2	M-D	D	D	E_1-E_2	D	D	D-P	P-E_1	M-D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
155	D	P	P-E_1	D	D	D-P	P-E_1	D	D	D-P	D-P
156	D-P	P	D	D	D	P-E_1	P-E_1	D	D	D-P	D-P
157	P-E_1	D	D	D	E_1-E_2	M-D	D	D-P	E_2	D	D
158	E_1	D	D	D-P	E_1	M	M-D	D	E_1	D	D
159	D	E_1	E_1	M-D	D	D	P-E_1	M-D	D	D-P	P-E_1
160	P-E_1	M-D	D	D-P	E_1-E_2	D	D	D-P	P-E_1	M-D	D
161	D	D-P	P-E_1	D	D	D-P	E_1	D	D	D-P	P-E_1
162	E_2-M	D	D	P	D	D	D-P	P-E_1	D	D	D-P
163	P-E_1	M-D	D	D	P-E_1	D	D	D	E_1-E_2	D	D
164	D	D-P	E_1	D	D	D	P-E_1	M-D	D	D	D-P
165	D-P	E_2	D	D	D	E_1-E_2	D	D	D	E_2	M-D
166	E_2	M-D	D	D	E_1-E_2	M-D	D	D	E_1-E_2	M-D	D
167	D	D	D-P	E_1-E_2	M-D	D	D	E_1	M-D	D	D-P
168	D	D-P	E_2	M-D	D	D-P	P-E_1	D	D	D	P-E_1

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
155	M-D	D	D-P	D-P	M-D	D	D	E_1	D	D	Regular
156	P-E_1	D	D	D	D-P	P-E_1	D	D	D	E_1-E_2	Regular
157	D-P	P-E_1	D	D	D	P-E_1	D	D	D	D-P	Regular
158	D-P	E_1-E_2	M-D	D	D	E_1	M-D	D	D	E_1	Regular
159	M-D	D	D-P	P-E_1	D	D	D-P	E_1	M-D	D	Regular
160	D-P	E_1-E_2	D	D	D-P	P-E_1	D	D	D	D	Regular
161	M-D	D	D-P	P-E_1	M-D	D	D	P	D	D	Regular
162	P-E_1	D	D	D	P-E_1	D	D	D	E_1	M-D	Regular
163	D	P-E_1	D	D	D	P-E_1	D	D	D	E_1	Regular
164	D-P	D	D	P-E_1	M-D	D	D	E_1	D	D	Regular
165	D	D-P	E_2	D	D	E_1	D	D	D	E_1-E_2	Regular
166	D-P	E_1-E_2	M-D	D	D	E_2	M-D	D	D	E_1	Regular
167	E_1-E_2	M-D	D	D	E_1-E_2	D	D	D	E_1-E_2	M-D	Regular
168	M-D	D	D	E_1-E_2	D	D	D-P	P-E_1	M-D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
169	P-E_1	D	D	D-P	P-E_1	D	D	D	P-E_1	D	D
170	D	D	D	P	D	D	D-P	P-E_1	D	D	D
171	D	E_2	E_2	D	D	E_1-E_2	D	D	D-P	E_2	D
172	P-E_1	M-D	D	D	E_2	D	D	D-P	E_1-E_2	D	D
173	D-P	E_2	M-D	D	D-P	E_2	M-D	D	D-P	E_2	M-D
174	D	D	D-P	E_2	D	D	D-P	P-E_1	D	D	D-P
175	D	D	D-P	E_2	M-D	D	D-P	P-E_1	D	D	D-P
176	D	D	D-P	E_1	D	D	D-P	P-E_1	M-D	D	D-P
177	D	D	D	E_2	D	D	D-P	E_2	D	D	D
178	D	D-P	E_2	D	D	D-P	E_2	D	D	D-P	E_1-E_2
179	D	D	D	E_1-E_2	D	D	P	E_1-E_2	D	D	D-P
180	E_1	D	D	D-P	E_1-E_2	M-D	D	D	D	E_1	M-D
181	D-P	E_1-E_2	D	D-P	P-E_1	E_2	M-D	D	D	E_1	M-D
182	D	D	D	E_1-E_2	D	D	D-P	E_1	D	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
169	D-P	E_1	D	D	D	E_1	M-D	D	D	E_2	Regular
170	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1	M-D	Regular
171	D	D-P	E_1	D	D	D-P	E_2	M-D	D	D	Regular
172	D	E_2	M-D	D	D	E_2	E_2-M	D	D	D	Regular
173	D	D-P	P-E_1	M-D	D	D-P	E_2	D	D	D	Regular
174	P	D	D	D	P-E_1	D	D	D	D	D	Regular
175	E_1-E_2	D	D	D	E_1	D	D	D	P-E_1	D	Regular
176	P-E_1	D	D	D-P	D-P	D	D	D-P	P-E_1	D	Regular
177	E_1-E_2	D	D	D	E_1-E_2	D	D	D-P	D	D	Regular
178	D	D	D	E_1	D	D	D-P	E_1-E_2	D	D	Regular
179	E_1-E_2	D	D	D-P	P-E_1	D	D	D	E_1-E_2	D	Regular
180	D	D-P	P-E_1	D	D	D-P	E_1-E_2	D	D	D	Regular
181	D	D-P	D	D	D	D-P	E_1-E_2	M-D	D	D	Regular
182	E_2	M-D	D	D	E_1-E_2	D	D	D	E_1-E_2	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
183	D	D-P	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D-P
184	D	E_1	D	D	D	E_1	D	D	D	E_1	M-D
185	D	D-P	E_1	D	D	D	E_2	M-D	D	D	E_1
186	D	D-P	E_1-E_2	D	D	D	P-E_1	D	D	D	P-E_1
187	D	D-P	E_1	E_2	D	D	D-P	P-E_1	P-E_1	D	D
188	D	D	E_1	D	D	D-P	E_1-E_2	D	D	D	E_1
189	E_1	D	D	D-P	E_1	D	D	D-P	E_1	D	D
190	D	E_1	M-D	D	D	E_1	M	D	D	E_1	M
191	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D	P-E_1	M-D
192	D	E_1-E_2	M	D	D	E_1	D	D	D	D	D
193	D	D-P	E_1-E_2	D	D	D-P	E_2	D	D	D	P-E_1
194	D	D-P	E_1	D	D	D	E_1-E_2	D	D	D	E_1
195	D	D	D-P	P-E_1	D	D	D-P	E_1	M-D	D	D-P
196	D	D	D	D-P	D	D	D-P	P-E_1	D	D	D-P

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
183	P	D	D	D	P	D	D	D	P-E_1	D	Regular
184	D	D	D-P	D	D	D	E_1	D	D	D	Regular
185	D	D	D	P-E_1	D	D	D	E_1	M-D	D	Regular
186	D	D	D	P	D	D	D-P	P-E_1	D	D	Regular
187	D	E_1	E_1	D	D	D-P	P-E_1	P-E_1	D	D	Regular
188	M-D	D	D-P	P-E_1	D	D	D-P	P-E_1	D	D	Regular
189	D-P	E_2	M-D	D	D	E_1	D	D	D	E_1	Regular
190	D	D-P	E_1	D	D	D	E_1	M-D	D	D	Regular
191	D	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D	Regular
192	D	D-P	P-E_1	M-D	D	D	E_1	M-D	D	D	Regular
193	M-D	D	D	P-E_1	D	D	D	E_1-E_2	D	D	Regular
194	D	D-P	D	E_1	D	D	D	E_1-E_2	D	D	Regular
195	E_2	M-D	D	D	E_1-E_2	M-D	D	D	D	D	Regular
196	P-E_1	M-D	D	D	P-E_1	D	D	D-P	P-E_1	M-D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
197	P-E_1	E_1	D	D	P	D	D	D	P-E_1	D	D
198	D	D	E_1	D	D	D	E_1-E_2	D	D	D	D-P
199	E_2	D	D	D	E_1-E_2	D	D	D	E_1-E_2	M-D	D
200	D	D	D-P	E_1	D	D	P	E_1-E_2	D	D	D-P
201	D	D	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1
202	D	E_1-E_2	M-D	D	D	E_2	M-D	D	D	E_1-E_2	M-D
203	D	D	D	E_1-E_2	M-D	D	D	E_1-E_2	D	D	D
204	D	D	D	E_1	M-D	D	D	E_1	D	D	D-P
205	D	D-P	E_1	D	D	D	P-E_1	D	D	D	P-E_1
206	P-E_1	E_1	D	D	P-E_1	D	D	D-P	E_1	D	D
207	D	P-E_1	D	D	D	P	M-D	D	D	P-E_1	M-D
208	D	D	D	P-E_1	D	D	D	P-E_1	D	D	D-P
209	D	D	D-P	P	M-D	D	D	P	P-E_1	D	D
210	D	D	D	E_1-E_2	D	D	D	E_1-E_2	D	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
197	D	P-E_1	M-D	D	D	E_1-E_2	D	D	D	P-E_1	Regular
198	D-P	P-E_1	D	D-P	D	D	D	E_1	M-D	D	Regular
199	D	E_1-E_2	D	D	P-E_1	E_1-E_2	D	D	D	P-E_1	Regular
200	E_1-E_2	M-D	D	D	E_1-E_2	D	D	D	P-E_1	D	Regular
201	D	D	D	D-P	D	D	D	P-E_1	D	D	Regular
202	D	D-P	E_1-E_2	M-D	D	D	D-P	M	D	D	Regular
203	P-E_1	M-D	D	D	E_2	M-D	D	D	E_2	D	Regular
204	P	M-D	D	D	P-E_1	M-D	D	D	P	D	Regular
205	M-D	D	D	P	D	D	D	P-E_1	M-D	D	Regular
206	D	P-E_1	M-D	D	D	E_1-E_2	M-D	M-D	D	P-E_1	Regular
207	D	D	E_1	D	D	D	E_1	D	D	D	Regular
208	P-E_1	D	D	D	P-E_1	D	D	D-P	E_1	M-D	Regular
209	D	D-P	P	D	D	D	D	P-E_1	M-D	D	Regular
210	P-E_1	M-D	D	D	E_1-E_2	M-D	D	D	E_1-E_2	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
211	D	P	D	D	D	P-E_1	M-D	D	D	D	D
212	D	D	D	P-E_1	D	D	D	E_1-E_2	D	D	D
213	D	D-P	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1
214	D	P-E_1	D	D	D	D-P	E_1	D	D-P	E_1	D
215	D-P	P	D	D	D	P-E_1	M-D	D	D	E_1-E_2	D
216	D	D	D	P-E_1	D	D	D	P-E_1	D	D	D
217	P-E_1	D	D	D	P-E_1	M-D	D	D	D-P	P-E_1	D
218	D	P-E_1	D	D	D	P-E_1	D	D	D-P	D	D
219	D	P	D	D	D	P-E_1	D	D	D	D	D
220	D	P-E_1	D	D	D-P	P-E_1	D	D-P	D	P-E_1	M-D
221	E_1	D	D	D	P-E_1	M-D	D	D	D	E_1	M-D
222	D	D	D-P	E_2	D	D	D-P	E_1-E_2	M-D	D	D
223	D	D	D	P-E_1	D	D	D	D	D	D	D
224	P-E_1	D	D	D-P	P-E_1	D	D	D	P-E_1	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day of smearing										
	12	13	14	15	16	17	18	19	20	21	Nature of cycle
211	D	D-P	P-E_1	D	D	D	E_1-E_2	M-D	D	D	Regular
212	P	M-D	D	D	E_1	M-D	D	D	P-E_1	M-D	Regular
213	P-E_1	P-E_1	D	P-E_1	D	D	D	P-E_1	D	D	Regular
214	D	D-P	P	D	D	E_1	E_1	D	D	D	Regular
215	D	P-E_1	E_1-E_2	D	D	D	E_1	D	D	D	Regular
216	P-E_1	M-D	D	D	P-E_1	D	D	D	P-E_1	D	Regular
217	D	D	P-E_1	D	D	D	D-P	M-D	D	D	Regular
218	D	D-P	P-E_1	D	D	D-P	D	D	D	D-P	Regular
219	D-P	D-P	P-E_1	D	D	D	P	D	D	D	Regular
220	D	D-P	P-E_1	D	D	D	E_1	D	D	D	Regular
221	D	D	D	P-E_1	E_1	M-D	D	D	E_1	E_1	Regular
222	E_1-E_2	D	D	D	E_1	D	D	P-E_1	M-D	D	Regular
223	D	E_1	D	D	D	E_1	E_1	M-D	D	P-E_1	Regular
224	D	P-E_1	M-D	D	D	E_1	D	D	D	P	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
337	D	D	E_1	M-D	D	D-P	E_2	D	D	D	D-P
338	M-D	D	D	P-E_1	M-D	D	D	D	D	D	D
339	M-D	D	D	E_1	M-D	D	D	E_1	M-D	D	D
340	E_2	M-D	D	D	E_1	D	D	D	E_2	M-D	D
341	M-D	D	D	E_1-E_2	M	D	D	P-E_1	M-D	D	D-P
342	D	D	E_2	M-D	M-D	D	E_2	D	D	D	E_1
343	M-D	D	D	E_1	E_2-M	D	D	D	D	D-P	D-P
344	D	D	E_1	D	D	D	E_1-E_2	D	D	D	E_1-E_2
345	E_2	D	D	D	E_1-E_2	D	D	D	E_1	M-D	D
346	M-D	D	D	E_1	M-D	D	D	E_1	D	D	D-P
347	E_1-E_2	M-D	D	D	E_1	D	D	D	E_1-E_2	D	D
348	D	D	E_1	D	D	D	D	Found dead			
349	M-D	D	D-P	D	D	D	P-E_1	D	D	D	D
350	D-P	E_1-E_2	M	D	D	E_2	D	D	D-P	E_2	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
337	P	D	D-P	E_2	D	D	D	E_1	D	D	Regular
338	D-P	D	D	D	P-E_1	D	D	D	P-E_1	D	Regular
339	E_1	M	D	D	E_1-E_2	M-D	D	D	E_1-E_2	M	Regular
340	D	E_1-E_2	D	D	D	E_1-E_2	M	D	D	E_1	Regular
341	P-E_1	M	D	P	P-E_1	M-D	D	D	E_2	D	Regular
342	D	D	D	D-P	D	D	D	E_1	D	D	Regular
343	E_1-E_2	M-D	D	D	E_1	D	D	D-P	E_1-E_2	D	Regular
344	M-D	D	D-P	E_1	D	D	D	E_1-E_2	D	D	Regular
345	D	E_2	D	D	D-P	P-E_1	D	D	D	P-E_1	Regular
346	E_2	D	D	D	E_1-E_2	M-D	D	D	D	D	Regular
347	D	E_1	D	D	D-P	E_1	D	D	D	P-E_1	Regular
348	Found dead										
349	D	D	E_1-E_2	M-D	D	D	E_1-E_2	D	D	D	Regular
350	E_2	D	D	D	D	D-P	E_1-E_2	D	D	D-P	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
351	M-D	D	D	E_1	M-D	D	D-P	E_1	M-D	D	D
352	D	D	E_1	M-D	D	D	E_2	D	D	D	E_1-E_2
353	D	D	E_1-E_2	D	D	D	P-E_1	M-D	D	D	P-E_1
354	D	D	E_1	D	D	D	E_1	D	D	D	E_1
355	M-D	D	D	E_1-E_2	D	D	D-P	D	D	D	D
356	E_2	M-D	D	D	E_1	D	D	D-P	E_1	M	D
357	D-P	E_2	D	D	D	E_1	D	D	D	E_1	D
358	E_2	D	D	D	E_1	M-D	D	E_1	D	D	D
359	E_1-E_2	M-D	D	D	E_1	D	D	D	E_1	D	D
360	E_1-E_2	D	D	D	E_1	D	D	D	E_1	D	D
361	D-P	E_1	D	D	D	E_2	D	D	D-P	E_1	D
362	M-D	D	D	E_1	M-D	D	D-P	E_1	D	D	D-P
363	D	D	E_2	M-D	D	D-P	E_1	D	D	P-E_1	E_2
364	M-D	D	E_1	D	D	D	D	D-P	M	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
351	E_2	D	D	D	E_1	D	D	D	E_1	D	Regular
352	D	D	D	E_1	M-D	D	D	E_1	D	D	Regular
353	D	D	D-P	E_1	D	D	D	D	D	D	Regular
354	D	D	D-P	E_1	M-D	D	D	E_1	D	D	Regular
355	E_1	D	D	D	P-E_1	D	D	D	D-P	D	Regular
356	D	E_1	M-D	D	D	E_2	D	D	D	D-P	Regular
357	D	D	E_2	D	D	D	E_1-E_2	D	D	D	Regular
358	D	E_1	M-D	D	D	E_1-E_2	M	D	D	E_2	Regular
359	D	E_1	D	D	D-P	E_1	D	D	D	E_1	Regular
360	D	E_1	D	D	D-P	E_2	M-D	D	D	D	Regular
361	D	D-P	E_1	D	D	D-P	P-E_1	D	D	D-P	Regular
362	E_1-E_2	D	D	D-P	P-E_1	D	D	D	P-E_1	D	Regular
363	D	D	D	D	D	D	D-P	E_2	D	D	Regular
364	D	D	D	D	E_1-E_2	D	D	D	D	D	Extended dioestrus

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
365	E_1-E_2	D	D	D	D	D-P	D	D	D-P	D	D
366	Found dead										
367	D	E_1-E_2	M-D	D	D	E_1-E_2	D	D	E_1	D	D
368	D	D-P	D-P	M-D	D	D-P	P-E_1	D	D	D	E_1
369	E_1-E_2	D	D	D	E_1	D	D	D	E_1	M-D	D
370	D	D	E_1	D	D	D	P-E_1	D	D	D	E_1
371	E_1-E_2	D	D	D	E_1-E_2	D	D	D	D-P	P	D
372	D	D	P-E_1	D	D	D	D	E_2	M-D	D	D
373	E_1-E_2	D	D	D	E_2	M-D	D	D	P-E_1	D	D
374	D	D	D	E_1	M-D	D	D	P-E_1	D	D	D
375	E_1-E_2	D	D	D	E_1-E_2	M-D	D	D	E_1-E_2	M-D	D
376	M-D	D	D-P	E_1-E_2	M-D	D	D-P	P-E_1	D	D	D-P
377	P	D	D	D	D-P	E_1	M-D	D	D	E_1-E_2	-
378	E_1-E_2	M-D	D	D	D	D	D	E_1-E_2	E_2	M-D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus
- = Data not recorded

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
365	E_2	D	D	D	E_1	D	D	D-P	E_1	D	Regular
366	Found dead										
367	D	D-P	E_2	D	D	D	E_1-E_2	D	D	D-P	Regular
368	D	D	D	D	D	P-E_1	P-E_1	D	D	D	Regular
369	D	D	D	D	D	E_1-E_2	M-D	D	D	E_1	Regular
370	M-D	D	D	P-E_1	M-D	D	D	E_1	M-D	D	Regular
371	D	D	E_1-E_2	D	D	D-P	P-E_1	P-E_1	D	D	Regular
372	D	D	D	D-P	E_1-E_2	M-D	D	D	E_1-E_2	M-D	Regular
373	D	E_1	D	D	D	E_1-E_2	D	D	D	E_1-E_2	Regular
374	D	D	D	D	E_1-E_2	D	D	D	P-E_1	D	Regular
375	D-P	E_2	D	D	D-P	E_2	D	D	D	D-P	Regular
376	D	D	D	D	E_1-E_2	D	D	D-P	P-E_1	D	Regular
377	-	-	-	Found dead							
378	D	E_2	D	D	D	E_2	M-D	D	D	E_1-E_2	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus
- = Data not recorded

Appendix 10 (continued) **Individual Oestrous Cycle Assessment – Females**

(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
379	D-P	E_1	E_1-E_2	D	D	D-P	E_1-E_2	D	D	D-P	P-E_1
380	D	D	E_1-E_2	D	D	D	E_1-E_2	M-D	D	D	E_1-E_2
381	D-P	E_1	M-D	D	D	P-E_1	D	D	D-P	E_2	D
382	D	D	D	E_1	D	D	D	D-P	M-D	D	D
383	D	D-P	E_1	D	D	D	E_2	M-D	D	D	E_2
384	D	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D	P-E_1
385	D	E_1-E_2	M-D	D	D	E_1-E_2	M	D	D	E_1-E_2	D
386	E_1-E_2	D	D	D	E_1-E_2	D	D	P	D	D	D
387	D	D	D	P-E_1	M-D	M-D	D	D	D	D-P	P-E_1
388	E_2	D	D	D	E_1	M-D	D	D	D	D	D
389	E_1-E_2	M-D	D	D	E_1	M-D	D	D	E_1	D	D
390	D	D	E_2	D	D	D	E_2	D	D	D	E_2
391	D	D-P	E_1	M-D	D	D	E_1-E_2	D	D	D	E_1-E_2
392	D	D	D	D-P	D	D	D	D	E_2	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
379	D	D	D-P	E_1	D	D	D-P	E_1	D	D	Regular
380	D	D	D	D	D	D	D-P	E_1	M	D	Regular
381	D	D-P	E_1-E_2	D	D	D-P	P-E_1	M-D	D	D	Regular
382	E_1-E_2	M	D	D	E_1	D	D	D	E_1	D	Regular
383	D	D	D	E_2	D	D	D	E_1-E_2	M-D	D	Regular
384	D	D	D	E_1	D	D	D	P-E_1	D	D	Regular
385	D	D	E_2	D	D	D-P	D	D	D	D	Regular
386	D	E_1-E_2	D	D	D-P	E_2	D	D	D	E_2	Regular
387	E_2	M-D	D	D	E_1-E_2	D	D	D	E_2	D	Regular
388	D	E_1-E_2	D	D	D	E_1-E_2	D	D	D	D-P	Regular
389	D-P	E_1-E_2	D	D	D-P	E_2	D	D	D	D-P	Regular
390	D	D	D	D	D	D	D-P	E_1-E_2	D	D	Regular
391	D	D	D-P	E_1	D	E_2	D	D	D	D	Regular
392	D	E_1	D	D	D	E_1-E_2	D	D	D	D-P	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) **Individual Oestrous Cycle Assessment – Females**

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
393	D	D	D-P	E_1	D	D	D	E_1	M-D	D	D
394	D	D	D	D	P	P-E_1	M-D	D	D	E_1	E_2
395	E_1-E_2	D	D	D	D	D	D	D	E_1	D	D
396	D	D	P-E_1	D	D	D	E_1	D	D	D	E_1-E_2
397	D	D	E_1-E_2	M-D	D	D	E_2	M-D	D	D	E_2
398	M-D	D	D	E_1	M	D	D	D	D-P	D	D
399	E_1-E_2	D	D	D	E_1	D	D	E_1	E_1-E_2	D	D
400	D-P	E_1	D	D	D	E_1-E_2	M-D	D	D	D	D
401	D	D-P	D-P	D	D	E_2	D	D	D	E_1	D
402	D	P-E_1	D	D	D	P-E_1	D	D	D	E_2	D
403	D	E_1-E_2	D	D	D	E_1	D	D	D	E_1	D
404	D	D-P	D	D	D	D	D	D-P	E_1-E_2	D	D
405	M-D	D	D	E_1	D	D	D-P	E_1	M-D	D	D-P
406	D	D	D	D-P	D	D	D-P	E_1	D	D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
393	E_2	D	D	D	E_1-E_2	D	D	D	P-E_1	D	Regular
394	M-D	D	D	D	P-E_1	M	D	D	D	D-P	Regular
395	P-E_1	E_1	D	D	D-P	D	D	D	D	P-E_1	Regular
396	M-D	D	D	E_1	M-D	M-D	D	D	D	D	Regular
397	D	D	D	E_1-E_2	D	D	D-P	E_1-E_2	M-D	D	Regular
398	D	D	D	D	D	E_2	M-D	D	D	D	Regular
399	D	E_1	D	D	D	E_1	D	D	D	E_1	Regular
400	D	E_1	D	D	D	E_1	D	D	D	D	Regular
401	D	D	E_1	M-D	D	D-P	E_1	D	D	E_2	Regular
402	D	D	E_1-E_2	D	D	D-P	P-E_1	D	D	D	Regular
403	D	D	P-E_1	D	D	D-P	P-E_1	D	D	D	Regular
404	D	E_2	D	D	D	E_1-E_2	D	D	D	E_1	Regular
405	E_2	D	D	D	E_2	M-D	D	D	E_1-E_2	D	Regular
406	D	D	D	D	D-P	P-E_1	D	D	D	D-P	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
407	D	D	D-P	E_2	D	D	D-P	E_1	D	D	D
408	D	D-P	P-E_1	D	D	D-P	D-P	E_2	D	D	D-P
409	D	D-P	E_2	D	D	D-P	E_2	D	D	D	E_2
410	D	E_2	M-D	M-D	D	E_1-E_2	D	D	D	E_1	M-D
411	D	D	P-E_1	D	D	D	E_1	D	D	D	P-E_1
412	D-P	E_2	D	D	D-P	E_1	D	D	P-E_1	D	D
413	E_1-E_2	D	D	D-P	E_1	D	D	D	E_1-E_2	D	D
414	D	D-P	P-E_1	D	D	D-P	P-E_1	D	D	D-P	P-E_1
415	D	D	E_1-E_2	D	D-P	D-P	E_1-E_2	M-D	D	D	E_1-E_2
416	D-P	E_1-E_2	D	D	D-P	E_2	D	D	D	D	D
417	E_1-E_2	D	D	D	E_1	D	D	D	E_1	D	D
418	D-P	P-E_1	D	D	D	E_2	D	D	D	D	D
419	D	D	D	E_1	M-D	D	D	P-E_1	D	D	D
420	E_1	D	D	D	D-P	D	D	D	E_1	M-D	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
407	P-E_1	D	D	D	P-E_1	M-D	D	D	P	D	Regular
408	E_2	D	D	D	E_2	M-D	D	D	E_1-E_2	D	Regular
409	D	D	D	D	D	D	P	D	D	D	Regular
410	D	D	E_1-E_2	D	D	P-E_1	D	D	D	D	Regular
411	D	D	D	E_1	D	D	D-P	P-E_1	M-D	D	Regular
412	D	D	E_1-E_2	D	D	D-P	E_1	D	D	D	Regular
413	D	E_1	D	D	D-P	E_2	D	D	D-P	E_1	Regular
414	D	D	D-P	E_1	D	D	D	P-E_1	M-D	D	Regular
415	D	D	D	E_1	D	D	D	P-E_1	M-D	D	Regular
416	D	E_1-E_2	E_2	D	D	D-P	E_1	D	D	D-P	Regular
417	D	D	D-P	D	D	E_1	D	D	D	D	Regular
418	D	D	P-E_1	D	D	D-P	E_1	D	D	D-P	Regular
419	E_2	D	D	D	D	D	D	D	E_2	D	Regular
420	D-P	E_1	D	D	D	D	D	D-P	D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
421	D	D	E_2	D	D	D	P-E_1	D	D	D	P-E_1
422	D-P	E_1-E_2	M-D	D	D	E_2	D	D	D	E_1-E_2	M-D
423	D	P-E_1	D	D	D	E_1	E_1	D	D	D	E_1
424	D	E_2	M-D	D	D	E_1-E_2	D	D	P-E_1	D	D
425	D	D	D	E_1-E_2	D	D	D	D	D	E_2	D
426	D	D	D	P	D	D	D	P-E_1	D	D	D
427	E_1-E_2	D	D	D	P-E_1	D	D	D	E_1-E_2	D	D
428	D	D	D-P	D	D	D	D	D	D	D	D
429	D-P	P-E_1	P-E_1	D	D	P-E_1	P-E_1	D	D	D-P	D
430	D	D	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1
431	P-E_1	D	D	D	P-E_1	M-D	D	D	P-E_1	D	D
432	E_1	M-D	D	D	D-P	D	D	D	D-P	M-D	D
433	D-P	E_2	M-D	D	D	E_2	D	D	D	E_1-E_2	M-D
434	M-D	D	E_2	M-D	D	D	E_2	D	D	D	E_2

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) **Individual Oestrous Cycle Assessment – Females**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
421	D	D	D	E_1-E_2	D	D	D	D	D	D	Regular
422	D	D	E_1-E_2	D	D	D-P	E_1	D	D	D	Regular
423	D	D	D	E_1-E_2	D	D	D	E_1	D	D	Regular
424	D	D	P-E_1	D	D	D-P	P-E_1	D	D	D	Regular
425	E_2	D	D	D	E_2	D	D	D	D-P	D	Regular
426	P-E_1	D	D	D	P-E_1	D	D	D	P	D	Regular
427	D-P	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1	Regular
428	D	P-E_1	M-D	D	D	P-E_1	D	D	D	P-E_1	Regular
429	D	D	P-E_1	D	D	D	P-E_1	P-E_1	E_1	D	Regular
430	D	D	D	D	D	D	D	P-E_1	D	D	Regular
431	D-P	E_1	D	D	D-P	P-E_1	D	D	D	D-P	Regular
432	D	P-E_1	P-E_1	D	D	P-E_1	D	D	D	P-E_1	Regular
433	D	D	E_1	D	D	D-P	E_1-E_2	M	M-D	D	Regular
434	M-D	D	D	E_1	D	D	D	E_1-E_2	D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day of smearing										
	1	2	3	4	5	6	7	8	9	10	11
435	E_2	D	D	D	E_1	D	D	D	E_2	M-D	D
436	E_1	M-D	D	D	P-E_1	D	D	D	P-E_1	D	D
437	D	D	D	P-E_1	D	D	D	D-P	D-P	D	D
438	D	D	D	P-E_1	D	D	D	P-E_1	D	D	D
439	D	E_2	D	D	D	D	D-P	D	D	P-E_1	P-E_1
440	D	D	D	E_1	D	D	D	D	D	D	D
441	P-E_1	D	D	D	P	D	D	D	E_2	D	D
442	D	P-E_1	M-D	D	D	P-E_1	M-D	D	D	E_1-E_2	D
443	D	D	D	E_1	D	D	D	E_1	D	D	D
444	P-E_1	M-D	D	D	D-P	D	D	D	P-E_1	M-D	D
445	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1	D	D
446	D	D	D	D-P	M-D	D	D	D	D-P	M-D	D
447	D	D	D-P	P-E_1	D	D	D	E_1	M-D	D	D
448	D-P	P-E_1	D	D	D	P-E_1	D	D	D	P-E_1	D

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 10 (continued) Individual Oestrous Cycle Assessment – Females

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day of smearing										Nature of cycle
	12	13	14	15	16	17	18	19	20	21	
435	D	E_1	M-D	D	D	E_1-E_2	M-D	D	D	P-E_1	Regular
436	D	E_1	D	D	D	P-E_1	D	D	D	D-P	Regular
437	D-P	D	D	D	D-P	D	D	D	P-E_1	D	Regular
438	D	D	P-E_1	D	D	D	P-E_1	E_1	D	D	Regular
439	D	D	D	D	P-E_1	D	D	D	D	P-E_1	Regular
440	P-E_1	D	D	D	E_1-E_2	D	D	D	E_1-E_2	D	Regular
441	D	D	D	D	D	D	D	E_1	D	D	Regular
442	D	D	D	D	D	E_2	D	D	D	E_2-M	Regular
443	E_2	D	D	D	P-E_1	D	D	D	P-E_1	D	Regular
444	D	P-E_1	M-D	D	D	P-E_1	D	D	D	P-E_1	Regular
445	D	P-E_1	D	D	D	P-E_1	D	D	D	D	Regular
446	D	D	D-P	D	P-E_1	D	D	D	P-E_1	D	Regular
447	P-E_1	D	D	D	P-E_1	M-D	D	D	P-E_1	M	Regular
448	D	D	P-E_1	D	D	D	P-E_1	D	D	D	Regular

D = Di-oestrus
E_2 = Late oestrus
E_1 = Early oestrus
M = Met-oestrus
P = Pro-oestrus

Appendix 11 Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
113	1	3	3	3+	P	22
114	2	1	4 HPV	3+	P	22
115	3	3	5	3+	P	22
116	4	2	4 H	2+	P	22
117	5	16	3 H	1+	P	22
118	6	4	6 H	1+	Not pregnant	
119	7	2	1 H	2+	P	23
120	8	1	4 PV	2+	P	22.5
121	9	4	3	2+	P	22
122	10	4	3 PV	2+	P	Killed *in extremis*
123	11	4	0	2+	P	23
124	12	1	6	2+	p	23
125	13	1	4 H	2+	P	22
126	14	2	5	1+	P	22

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
127	15	3	4 H	2+	P	23
128	16	4	5 HPV	2+	P	22
129	17	1	4 PV	2+	P	22
130	18	2	3 H	1+	P	22
131	19	1	5 H	3+	P	22
132	20	1	6 H	1+	P	23
133	21	1	3 HPV	2+	P	22
134	22	2	2	3+	P	22
135	23	4	4	1+	P	23
136	24	4	3 H	2+	P	22.5
137	25	1	1 H	2+	P	23
138	26	1	4	3+	P	22
139	27	4	3	3+	P	23
140	28	2	4 H	3+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
141	29	4	5 H	1+ PS	P	23
142	30	1	2 H	1+	P	23
143	31	1	6 H	2+	P	22.5
144	32	3	6 H	3+	P	22
145	33	4	2 H	1+	P	22.5
146	34	3	5	2+	P	23
147	35	3	4	2+	P	22
148	36	14	4	1+	P	23.5
149	37	2	2	2+	P	22.5
150	38	4	0	1+	P	22.5
151	39	4	4	1+	P	23
152	40	4	3 H	1+	P	22.5
153	41	2	3	3+	P	22.5
154	42	3	3	1+	P	22

1+ = Few spermatozoa present
PS = Possible fragmented sperm
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
155	43	2	3	3+	P	23
156	44	1	3	2+	P	23
157	45	13	3 H	1+	Not pregnant	
158	46	4	3	3+	P	22
159	47	2	3	1+	P	22.5
160	48	4	5 H	2+	P	22.5
161	49	2	3 H	2+	P	22
162	50	3	4	3+	P	22
163	51	4	5	2+	P	22
164	52	2	2 PV	1+	P	22.5
165	53	1	2	2+	P	23
166	54	4	2 H	2+	P	22
167	55	3	1	1+	Not pregnant	
168	56	2	4	2+	P	23

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length
(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
169	57	4	4	1+	P	23
170	58	3	4 H	3+	P	22
171	59	1	4	3+	P	22
172	60	4	5 H	2+	P	22.5
173	61	1	3	2+	P	22.5
174	62	3	1 H	3+	P	22
175	63	3	2	2+	P	22
176	64	3	4	1+	P	22
177	65	3	4 H	2+	P	22
178	66	2	3 H	2+	P	22
179	67	3	5	2+	P	22
180	68	1	4 H	2+	P	22
181	69	1	2 PV	1+	P	24
182	70	3	5 H	1+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
183	71	3	4	2+	P	22
184	72	1	2	2+	P	22.5
185	73	2	5 H	2+	P	23
186	74	2	4	2+	P	22
187	75	2	4	1+	Not pregnant	
188	76	2	5 H	1+	P	22
189	77	4	3 H	2+	P	22
190	78	1	4	1+	P	23
191	79	1	2	2+	P	22.5
192	80	1	2 H	3+	P	22.5
193	81	2	3	1+	P	22
194	82	2	4 H	1+	Not pregnant	
195	83	3	2 PV	3+	P	22
196	84	3	4 H	3+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length
(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
197	85	4	4	2+	P	22
198	86	1	3	2+	P	23
199	87	4	1 PV	2+	P	22.5
200	88	3	4	1+	P	22
201	89	2	5	1+	P	22
202	90	1	1 PV	3+	P	22
203	86	2	1	1+	P	22
204	92	3	3	2+	P	22.5
205	93	2	3	1+	P	22
206	94	4	5 PV	3+	P	23
207	95	1	3	3+	P	22.5
208	96	3	5 H	1+	P	22
209	97	2	2 H	1+	P	23
210	98	3	3	2+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length (days)
211	99	1	4	3+3+	P	22
212	100	3	3	3+	P	23
213	101	2	2	2+	P	22
214	102	1	4 PV	3+	P	22
215	103	1	6 HPV	3+	P	22
216	104	3	3	2+	P	23
217	105	9	3	3+	P	22
218	106	1	4	2+	P	22
219	107	1	5 HPV	3+	P	23
220	108	1	4	2+	P	22.5
221	109	4	4 H	1+	P	23
222	110	2	3	1+	P	22.5
223	111	4	4 H	2+	P	22.5
224	112	4	4	1+	P	23

3+ = Many spermatozoa in all fields
P = Pregnant
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
H = Haemorrhage
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
337	239	2	2	2+	Not pregnant	
338	240	3	3 H	3+	P	22.5
339	241	3	5 H	2+	P	22.5
340	242	4	4	1+	P	22.5
341	243	3	6 H	3+	P	23
342	244	2	0	3+	P	22
343	245	3	3	1+	P	22.5
344	246	2	6 H	3+	P	22
345	247	4	4 PV	1+	P	22
346	248	3	2 H	3+	P	23
347	249	4	4	1+	P	22
348	Found dead					
349	251	3	4 H	3+	P	22
350	252	1	1 H	1+	P	22

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
351	225	3	4 H	2+	P	22.5
352	226	2	3	2+	P	23
353	227	2	3 H	2+	P	22.5
354	228	2	4 H	3+	P	22.5
355	229	3	6 H	3+	P	22
356	230	12	3 H	2+	P	22
357	231	1	3	3+	P	23
358	231	3	3	3+	P	23
359	233	4	2 H	2+	P	23
360	234	4	4	2+	P	22
361	235	1	3 H	2+	P	22
362	236	3	5	1+	P	22.5
363	237	2	5 H	1+	P	22
364	238	3	3 H	2+	P	23

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
365	267	3	4 H	2+	P	22
366	Found dead					
367	269	1	4	2+	P	22
368	270	2	4 H	1+	P	23
369	271	4	3 PV	1+	P	22.5
370	272	2	5 H	3+	P	22.5
371	273	2	3	Ps	P	23
372	274	3	3	3+	P	22
373	275	4	4 H	1+	P	22
374	276	3	3 HPV	3+	P	22.5
375	277	4	5	2+	P	22
376	278	3	6 H	2+	P	22
377	Found dead					
378	280	4	3	2+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
Ps = Possible fragmented sperm

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
379	253	2	3 H	3+	P	22
380	254	2	4 H	2+	P	23
381	255	1	3	3+	P	22
382	256	3	4	3+	P	22
383	257	2	3	1+	P	22
384	258	2	3	3+	P	22
385	259	1	3 H	3+	P	22.5
386	260	4	4 PV	1+	P	22
387	261	3	3 H	2+	P	22.5
388	262	4	3 HPV	3+	P	22
389	263	4	5 HPV	3+	P	22
390	264	2	6 H	3+	P	22
391	265	2	4	3+	P	23
392	266	4	5	2+	P	22.5

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
393	295	3	2 H	1+	P	22
394	296	5	2 H	2+	P	23
395	297	4	3 H	3+	P	22
396	298	2	2 H	2+	P	22
397	299	2	4	3+	P	22
398	300	14	1	2+	Not pregnant	
399	301	4	4 HPV	1+	P	22
400	302	1	3	3+	P	22
401	303	1	5 H	3+	P	22.5
402	304	1	5	3+	P	22
403	305	1	5 H	1+	P	22.5
404	306	4	4 H	1+	P	22.5
405	307	4	1 H	0	P	21
406	308	4	2 HPV	2+	P	22

1+ = Few spermatozoa present
3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
407	281	3	3 H	2+	P	22.5
408	282	3	6 H	2+	P	22.5
409	283	2	4	3+	P	22
410	284	1	1	2+	Not pregnant	
411	285	2	4 H	3+	P	23
412	286	1	4 H	3+	P	22
413	287	4	5 HPV	3+	P	22
414	288	2	3 H	2+	P	22
415	289	2	3 HPV	3+	P	22.5
416	290	1	6 H	1+	P	23
417	291	1	3	3+	P	22
418	292	1	4	3+	P	22.5
419	293	3	2	1+	P	22.5
420	294	2	5 H	3+	P	22

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length (b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
421	323	2	1 H	3+	P	23
422	324	1	2	3+	P	22
423	325	7	2 PV	3+	P	22.5
424	326	1	4	3+	P	22
425	327	3	6	1+	P	22
426	328	3	4 H	3+	P	23
427	329	4	4	1+	P	22
428	330	4	2 H	1+	P	22
429	331	1	3 H	3+	P	23
430	332	2	4 H	3+	P	23
431	333	4	5 H	2+	P	22
432	334	13	2 H	1+	P	22
433	335	1	3 H	3+	P	22.5
434	336	2	4 H	1+	P	22

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 11 (continued) Individual Mating Performance, Fertility and Gestation Length

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Male number	Pre-coital interval (days)	Copulation plug count	Sperm reading score	Pregnancy status	Gestation length
435	309	4	4 HPV	3+	P	22
436	310	4	5 H	1+	P	22
437	311	3	5	0	P	22
438	312	3	3	0	P	22
439	313	4	4 H	2+	Not pregnant	
440	314	3	1 H	3+	Not pregnant	
441	315	4	3 H	2+	P	Killed *in extremis*
442	316	1	4	3+	P	22.5
443	317	3	4 H	0	P	22.5
444	318	4	1	1+	P	22
445	319	4	4 H	2+	P	23
446	320	3	3	2+	P	23
447	321	3	5 H	1+	P	23
448	322	1	5 H	3+	P	23

3+ = Many spermatozoa in all fields
P = Pregnant
H = Haemorrhage
2+ = Continuous few spermatozoa in all fields
PV = Vaginal plug
1+ = Few spermatozoa present

Appendix 12 Individual Bodyweights (g) During Gestation – Females
(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
113	288	306	316	346	447
114	304	318	327	367	474
115	307	320	334	366	477
116	356	377	382	420	530
117	360	364	375	400	453
118	Not pregnant				
119	272	278	291	327	423
120	299	315	328	358	478
121	306	330	341	375	487
122	346	360	365	394	502
123	317	338	351	374	431
124	285	302	311	342	433
125	299	317	333	359	375
126	373	375	385	424	531

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Day *post coitum*				
	1	4	7	14	21
127	277	289	294	324	412
128	291	309	314	345	456
129	303	321	334	352	450
130	280	297	303	332	399
131	320	337	353	389	487
132	303	319	329	359	458
133	291	299	318	361	467
134	300	314	328	368	478
135	298	309	317	343	423
136	325	345	359	394	517
137	384	390	404	432	555
138	335	349	365	389	525
139	354	369	370	390	513
140	303	325	332	368	471

Appendix 12 (continued) **Individual Bodyweights (g) During Gestation – Females**
(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
141	365	384	393	427	520
142	266	289	303	344	441
143	311	318	337	368	467
144	286	309	312	346	434
145	389	406	421	437	553
146	289	304	308	331	431
147	257	270	278	312	392
148	322	324	332	343	399
149	308	326	337	380	485
150	294	310	321	353	460
151	375	394	405	450	552
152	321	331	342	380	497
153	315	333	341	380	457
154	281	297	303	339	447

Appendix 12 (continued) **Individual Bodyweights (g) During Gestation – Females**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female Number	Day *post coitum*				
	1	4	7	14	21
155	281	297	304	343	419
156	329	350	360	408	514
157	Not pregnant				
158	276	293	301	350	453
159	303	313	331	360	446
160	337	363	368	397	518
161	318	344	346	379	489
162	326	333	346	380	462
163	293	322	330	358	462
164	307	325	332	355	461
165	303	311	328	360	470
166	312	341	345	373	459
167	Not pregnant				
168	296	310	316	358	479

Appendix 12 (continued) **Individual Bodyweights (g) During Gestation – Females**
(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
169	307	320	330	361	460
170	289	303	310	346	454
171	347	351	365	391	486
172	291	306	318	357	458
173	354	360	366	396	518
174	324	332	341	382	486
175	304	309	321	361	465
176	272	285	297	330	416
177	342	350	360	398	473
178	309	328	336	370	449
179	303	318	326	535	462
180	352	356	370	408	501
181	313	320	335	352	373
182	328	344	351	383	486

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post coitum*				
	1	4	7	14	21
183	346	359	373	398	508
184	331	340	350	380	479
185	306	314	325	354	433
186	301	320	335	373	469
187	Not pregnant				
188	289	309	324	363	456
189	355	369	376	411	505
190	259	272	278	309	360
191	302	323	333	368	474
192	376	381	394	432	539
193	334	354	365	404	509
194	Not pregnant				
195	281	298	310	352	459
196	286	298	305	333	432

Appendix 12 (continued) **Individual Bodyweights (g) During Gestation – Females**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Day *post coitum*				
	1	4	7	14	21
197	325	338	343	375	481
198	328	342	354	374	440
199	290	304	305	322	398
200	243	257	270	294	381
201	286	294	303	334	409
202	324	325	339	373	480
203	370	387	394	435	537
204	323	339	353	386	465
205	295	307	319	348	465
206	342	366	372	402	511
207	313	325	337	364	449
208	308	327	332	370	473
209	289	301	311	352	439
210	321	342	349	378	481

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female Number	Day *post coitum*				
	1	4	7	14	21
211	313	323	341	374	493
212	307	322	333	372	480
213	332	351	365	393	478
214	279	296	305	341	434
215	303	307	333	355	420
216	302	314	324	364	468
217	347	365	362	383	477
218	302	318	328	365	484
219	289	305	312	342	427
220	300	318	330	359	461
221	309	334	350	377	404
222	358	366	376	417	525
223	296	319	328	360	455
224	320	337	345	380	436

Appendix 12 (continued) **Individual Bodyweights (g) During Gestation – Females**
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
337	Not pregnant				
338	295	314	331	377	493
339	334	353	364	406	527
340	273	294	299	332	439
341	271	292	302	325	437
342	270	285	306	349	447
343	269	289	306	350	472
344	270	285	297	334	441
345	302	322	335	372	501
346	298	315	328	361	448
347	318	336	351	389	498
348	Found dead				
349	303	325	343	375	464
350	311	339	344	376	510

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Day *post coitum*				
	1	4	7	14	21
351	303	315	331	376	493
352	337	335	342	375	475
353	298	312	323	345	459
354	268	283	296	325	416
355	287	301	315	357	458
356	295	308	315	347	452
357	314	335	344	388	492
358	253	270	279	316	410
359	328	350	354	384	496
360	290	316	331	384	483
361	261	278	296	348	450
362	274	291	298	330	434
363	258	275	282	319	432
364	326	341	341	388	496

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post coitum*				
	1	4	7	14	21
365	303	326	336	364	478
366	Found dead				
367	271	286	303	356	469
368	294	307	322	360	469
369	317	334	345	391	513
370	280	295	310	344	447
371	329	344	359	388	479
372	287	300	315	348	432
373	284	303	310	342	455
374	273	290	305	340	440
375	279	301	312	358	467
376	257	281	292	331	440
377	Found dead				
378	280	293	301	330	439

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
379	278	288	298	339	459
380	283	295	313	350	441
381	268	289	305	341	447
382	273	284	298	337	439
383	286	290	313	345	441
384	246	257	265	304	387
385	312	331	350	395	474
386	296	315	329	363	485
387	311	333	356	404	517
388	252	268	277	314	397
389	294	316	323	363	468
390	255	265	290	330	431
391	284	308	317	351	455
392	333	353	359	397	508

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
393	325	335	351	386	499
394	286	307	324	358	469
395	243	263	267	297	395
396	293	309	320	356	447
397	288	297	306	328	433
398	Not pregnant				
399	261	275	289	331	439
400	323	345	358	385	494
401	289	303	314	342	423
402	253	275	284	311	397
403	347	375	392	435	549
404	264	275	282	315	397
405	323	342	353	397	-
406	303	321	326	368	488

- = No bodyweight available, female littered early

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Day *post coitum*				
	1	4	7	14	21
407	287	313	324	372	465
408	301	304	318	355	458
409	237	249	265	291	379
410	Not pregnant				
411	261	274	291	324	430
412	297	320	333	362	460
413	295	312	316	339	444
414	294	315	338	384	492
415	304	319	327	365	462
416	269	280	292	325	404
417	279	301	316	352	444
418	268	287	293	337	436
419	256	268	287	322	431
420	338	359	378	416	509

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post coitum*				
	1	4	7	14	21
421	354	366	383	428	562
422	275	288	301	326	399
423	274	299	303	347	420
424	318	338	359	396	499
425	244	261	274	304	395
426	279	295	311	348	439
427	287	306	316	340	450
428	279	290	294	318	412
429	283	295	310	348	445
430	259	259	276	302	380
431	279	295	305	346	429
432	286	309	316	347	434
433	283	300	317	349	429
434	270	281	293	330	424

Appendix 12 (continued) Individual Bodyweights (g) During Gestation – Females
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post coitum*				
	1	4	7	14	21
435	321	339	345	376	477
436	253	266	276	314	415
437	269	299	318	365	467
438	248	273	282	324	430
439	309	333	339	326	324
440	330	335	346	339	334
441	288	305	317	317	Killed *in extremis*
442	303	309	325	352	425
443	221	232	254	289	375
444	270	278	293	322	396
445	285	307	324	365	483
446	298	319	339	376	500
447	270	292	309	347	422
448	317	330	350	384	496

Appendix 13 Individual Bodyweights (g) During Lactation – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
113	315	322	345	355	357
114	346	347	368	389	358
115	364	346	Total litter loss		
116	401	395	408	425	403
117	368	374	366	378	372
118	Not pregnant				
119	301	318	327	323	331
120	331	345	377	365	355
121	351	353	357	372	372
122	Killed *in extremis*				
123	365	365	370	366	360
124	332	334	355	380	341
125	328	340	363	373	342
126	395	407	415	409	407

Appendix 13 (continued) Individual Bodyweights (g) During Lactation – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Day *post partum*				
	1	4	7	14	21
127	304	327	351	352	310
128	339	347	359	370	350
129	329	334	339	349	348
130	320	320	341	342	340
131	358	371	364	401	383
132	328	341	349	377	362
133	338	348	359	387	366
134	343	353	359	357	345
135	332	336	346	350	325
136	380	384	400	394	391
137	434	429	437	428	402
138	379	379	374	381	367
139	381	398	425	440	412
140	340	355	377	368	357

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female Number	Day *post partum*				
	1	4	7	14	21
141	387	403	429	420	391
142	319	336	352	353	342
143	330	353	386	375	367
144	320	337	359	352	339
145	413	418	425	434	409
146	314	323	323	338	320
147	280	293	305	311	309
148	322	331	333	352	330
149	354	360	371	378	360
150	331	339	357	372	350
151	421	423	423	446	419
152	353	363	387	388	375
153	355	Total litter loss			
154	321	335	353	357	345

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
155	319	332	344	361	353
156	390	404	415	420	412
157	Not pregnant				
158	334	333	346	353	328
159	341	346	355	378	366
160	367	373	398	410	397
161	362	369	383	391	405
162	358	367	388	382	387
163	322	348	368	358	366
164	325	341	352	364	357
165	341	351	360	375	363
166	343	343	352	358	354
167	Not pregnant				
168	334	342	355	341	346

Appendix 13 (continued) Individual Bodyweights (g) During Lactation – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
169	342	349	356	381	358
170	331	350	354	366	348
171	368	370	384	408	395
172	323	316	334	345	336
173	376	383	407	421	412
174	342	351	362	369	360
175	335	349	354	380	379
176	327	340	363	362	350
177	378	390	395	390	382
178	338	343	353	360	356
179	354	354	353	351	358
180	376	376	387	399	386
181	Total litter loss				
182	361	362	360	362	363

Appendix 13 (continued) Individual Bodyweights (g) During Lactation – Females

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female Number	Day *post partum*				
	1	4	7	14	21
183	368	371	394	395	392
184	355	368	377	378	365
185	330	344	361	340	344
186	339	341	358	369	339
187	Not pregnant				
188	331	345	357	382	350
189	399	400	408	409	398
190	281	290	307	317	299
191	332	347	354	350	366
192	420	412	414	450	434
193	366	364	363	380	364
194	Not pregnant				
195	328	346	352	377	382
196	306	315	329	345	349

Appendix 13 (continued) Individual Bodyweights (g) During Lactation – Females
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
197	352	358	352	371	356
198	358	366	396	395	381
199	301	315	327	348	345
200	274	290	300	316	313
201	304	321	333	339	331
202	351	353	348	373	365
203	410	419	410	422	428
204	345	366	376	379	381
205	323	346	346	361	353
206	366	379	394	421	387
207	341	347	358	377	355
208	332	333	347	357	368
209	317	330	351	355	361
210	348	375	393	393	385

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
211	344	345	375	388	373
212	333	351	366	367	350
213	364	391	414	420	401
214	319	331	340	357	346
215	334	329	340	353	363
216	343	363	369	390	362
217	348	366	388	409	378
218	356	361	396	409	391
219	322	333	346	366	356
220	331	349	362	372	369
221	343	355	351	353	332
222	384	415	434	439	421
223	330	339	352	353	350
224	357	361	366	369	365

Appendix 13 (continued) Individual Bodyweights (g) During Lactation – Females
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
337	Not pregnant				
338	353	366	384	400	373
339	381	380	394	391	391
340	315	321	326	329	320
341	326	321	330	350	364
342	330	338	357	386	367
343	328	348	360	372	356
344	317	330	329	327	332
345	353	368	378	403	382
346	344	362	389	395	385
347	368	369	376	388	417
348	Found dead				
349	370	376	382	391	378
350	352	355	376	401	363

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
351	362	380	393	387	379
352	365	379	389	391	361
353	331	344	357	382	371
354	301	303	309	331	315
355	323	331	333	351	343
356	329	318	341	365	353
357	361	374	391	394	394
358	302	311	303	313	302
359	359	370	379	396	380
360	376	384	386	382	373
361	329	321	346	361	358
362	317	329	340	355	350
363	303	313	316	324	318
364	378	390	407	405	392

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
365	342	371	388	401	394
366	Found dead				
367	340	341	370	383	350
368	343	352	354	368	352
369	384	387	397	409	392
370	320	332	331	336	336
371	373	372	382	391	373
372	311	325	333	357	339
373	328	335	356	357	338
374	317	326	343	361	348
375	321	344	366	367	363
376	314	323	328	346	329
377	Found dead				
378	316	318	334	343	346

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female Number	Day *post partum*				
	1	4	7	14	21
379	326	342	359	375	358
380	338	348	359	371	362
381	314	325	336	361	340
382	321	332	351	359	333
383	310	332	356	376	348
384	265	288	308	319	315
385	360	366	370	387	370
386	339	344	362	367	361
387	376	399	404	410	392
388	289	292	312	335	327
389	347	354	362	378	371
390	308	326	349	351	339
391	356	357	373	384	375
392	373	384	394	403	394

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
393	371	375	381	378	370
394	340	361	371	375	320
395	278	288	304	324	300
396	324	328	337	353	339
397	317	319	331	347	329
398	Not pregnant				
399	300	307	324	342	337
400	359	360	363	379	378
401	318	325	333	346	346
402	274	289	304	331	313
403	421	421	439	469	441
404	291	297	298	318	313
405	377	378	380	395	377
406	347	358	380	391	376

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female Number	Day *post partum*				
	1	4	7	14	21
407	342	354	377	394	378
408	314	342	356	373	377
409	264	284	296	310	311
410	Not pregnant				
411	306	309	316	335	338
412	340	350	362	370	361
413	336	334	352	371	370
414	349	364	371	394	371
415	338	339	356	380	372
416	309	328	333	352	344
417	322	337	357	376	359
418	309	325	325	364	347
419	311	315	317	324	315
420	368	391	393	396	398

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Day *post partum*				
	1	4	7	14	21
421	462	452	434	430	393
422	289	294	309	321	315
423	316	323	332	357	351
424	375	383	393	408	381
425	292	297	308	326	329
426	343	343	358	373	377
427	315	322	349	360	352
428	312	323	344	364	350
429	332	352	358	377	364
430	297	305	319	344	330
431	319	316	341	368	348
432	311	328	338	382	320
433	340	338	348	360	358
434	297	309	326	345	339

Appendix 13 (continued) **Individual Bodyweights (g) During Lactation – Females**
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*				
	1	4	7	14	21
435	357	362	384	403	Found dead
436	283	293	305	330	327
437	332	362	386	404	384
438	297	321	319	348	328
439	Not pregnant				
440	Not pregnant				
441	Killed *in extremis*				
442	347	344	353	368	365
443	280	298	297	316	320
444	288	317	325	361	358
445	345	345	368	381	390
446	353	362	369	386	380
447	323	335	346	358	347
448	346	357	385	412	413

Appendix 14 Individual Food Consumptions (g/rat/day) During Gestation – Females
(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
113	23.0	28.0	30.2
114	20.8	28.7	32.8
115	24.2	32.8	35.0
116	24.0	31.3	33.8
117	20.2	23.7	27.3
118	Not pregnant		
119	20.7	28.2	28.5
120	23.7	28.2	32.8
121	27.0	31.0	30.3
122	20.8	25.8	28.8
123	29.7	31.8	32.0
124	23.3	29.5	30.7
125	23.7	27.0	29.0
126	20.2	30.2	32.8

Appendix 14 (continued) **Individual Food Consumption (g/rat/day) During Gestation – Females**

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post coitum*		
	1-7	7-14	14-21
127	19.7	24.3	27.8
128	22.7	27.0	32.8
129	23.5	29.7	28.5
130	22.7	25.8	26.8
131	24.8	33.0	34.7
132	18.7	24.8	27.0
133	23.0	31.3	32.2
134	23.0	32.2	33.2
135	21.8	25.3	24.2
136	29.0	32.2	31.5
137	23.0	30.8	32.3
138	28.3	33.0	33.3
139	27.3	25.3	30.0
140	22.7	27.3	27.7

Appendix 14 (continued) **Individual Food Consumption (g/rat/day) During Gestation – Females**
(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
141	24.5	30.0	28.7
142	22.7	29.5	30.5
143	20.7	26.5	27.7
144	23.2	28.7	28.7
145	28.7	31.3	32.5
146	21.2	25.8	27.8
147	19.7	25.0	24.7
148	17.7	23.3	23.7
149	24.5	30.8	33.7
150	23.5	31.0	33.7
151	28.5	36.8	32.0
152	21.7	26.7	31.7
153	22.3	30.2	28.8
154	20.8	26.0	28.3

Appendix 14 (continued) **Individual Food Consumption (g/rat/day) During Gestation – Females**
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day *post coitum*		
	1-7	7-14	14-21
155	22.0	28.7	27.2
156	26.5	35.5	37.7
157	Not pregnant		
158	22.2	30.0	30.8
159	22.2	29.0	28.0
160	27.7	29.3	32.7
161	23.2	28.5	31.7
162	23.8	29.7	28.8
163	24.0	27.2	28.5
164	21.5	26.7	29.2
165	21.0	27.8	30.2
166	23.7	27.5	27.3
167	Not pregnant		
168	21.3	27.8	29.0

Appendix 14 (continued) Individual Food Consumption (g/rat/day) During Gestation – Females (a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
169	22.5	27.0	29.0
170	18.2	24.8	30.2
171	19.7	25.8	27.5
172	24.3	29.2	25.2
173	19.8	26.8	28.0
174	24.3	29.2	31.0
175	38.7	29.7	29.7
176	21.3	28.7	30.0
177	22.7	28.7	32.3
178	21.3	28.3	25.7
179	20.7	27.8	29.8
180	21.8	30.5	27.2
181	20.7	27.0	27.7
182	26.2	30.7	31.2

Appendix 14 (continued) Individual Food Consumption (g/rat/day) During Gestation – Females

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post coitum*		
	1-7	7-14	14-21
183	25.8	32.7	33.2
184	20.5	27.7	27.5
185	21.8	27.7	27.2
186	23.5	31.0	29.7
187	Not pregnant		
188	20.8	28.8	29.0
189	23.8	31.0	28.2
190	19.7	27.3	27.5
191	23.5	29.0	29.0
192	25.2	31.3	31.0
193	25.5	35.3	36.0
194	Not pregnant		
195	22.2	29.3	32.5
196	22.7	25.8	26.7

Appendix 14 (continued) **Individual Food Consumption (g/rat/day) During Gestation – Females**
(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
197	20.5	25.3	29.7
198	20.5	28.2	30.0
199	22.8	24.0	26.0
200	17.7	20.8	22.3
201	18.8	26.0	25.7
202	18.5	28.7	31.5
203	24.8	33.2	29.2
204	24.8	27.7	28.3
205	22.8	28.0	29.8
206	28.5	33.3	36.2
207	20.7	28.2	28.0
208	24.7	31.0	31.7
209	20.5	30.8	26.8
210	22.8	26.0	29.2

Appendix 14 (continued) **Individual Food Consumption (g/rat/day) During Gestation – Females**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post coitum*		
	1-7	7-14	14-21
211	20.7	27.3	28.5
212	23.5	29.7	29.3
213	23.3	29.2	28.3
214	21.8	29.2	31.5
215	23.3	30.8	26.8
216	21.2	31.0	30.3
217	19.5	14.3	27.8
218	23.2	29.0	31.5
219	21.5	21.7	26.0
220	21.0	26.5	30.7
221	28.5	31.0	28.3
222	24.5	30.8	35.3
223	17.7	59.3	32.0
224	15.8	26.2	28.2

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
337	Not pregnant		
338	24.8	30.1	31.1
339	24.5	26.6	28.7
340	21.3	23.4	25.7
341	21.0	23.1	24.9
342	19.2	23.7	24.4
343	19.8	28.7	28.1
344	21.8	26.3	30.1
345	27.0	28.7	35.3
346	25.0	29.4	28.1
347	26.0	27.6	29.3
348	Found dead		
349	26.5	28.6	28.3
350	22.8	27.0	30.3

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post coitum*		
	1-7	7-14	14-21
351	23.0	30.3	31.1
352	17.3	24.0	29.1
353	19.5	24.6	28.6
354	20.0	22.7	25.1
355	23.0	26.9	26.4
356	21.3	28.6	22.6
357	25.2	30.6	32.9
358	22.0	24.3	26.7
359	24.5	26.3	27.6
360	23.7	28.4	30.4
361	21.0	27.6	26.3
362	23.7	25.9	27.0
363	20.0	22.7	25.0
364	24.0	28.9	33.3

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
365	25.3	27.7	30.0
366	Found dead		
367	21.8	27.4	30.6
368	22.3	26.9	28.6
369	24.8	28.4	34.0
370	23.0	27.3	28.3
371	27.8	28.1	29.9
372	22.3	25.4	23.6
373	21.3	22.7	25.9
374	21.0	25.4	25.6
375	25.2	27.4	29.7
376	22.8	27.9	27.3
377	Found dead		
378	20.3	22.1	25.1

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day *post coitum*		
	1-7	7-14	14-21
379	21.0	25.4	29.1
380	21.8	23.6	26.4
381	20.0	22.7	24.4
382	19.7	26.1	25.9
383	20.0	23.9	24.9
384	17.3	24.0	26.3
385	24.3	32.4	32.9
386	22.8	23.6	27.0
387	28.0	31.4	30.3
388	22.3	22.9	27.0
389	24.2	25.4	27.7
390	22.7	26.3	27.0
391	22.5	26.3	27.4
392	26.3	28.4	30.1

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
393	24.0	28.6	28.6
394	24.5	26.0	27.4
395	19.7	21.4	23.7
396	22.3	25.0	23.0
397	21.8	22.0	24.9
398	Not pregnant		
399	22.5	25.7	27.1
400	25.0	28.1	27.4
401	20.5	23.7	24.1
402	19.7	22.1	24.3
403	26.8	29.6	33.6
404	18.7	23.1	24.4
405	29.2	33.0	22.4
406	26.8	26.1	26.4

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post coitum*		
	1-7	7-14	14-21
407	26.8	31.0	27.4
408	22.0	25.1	27.4
409	21.7	22.1	22.9
410	Not pregnant		
411	22.8	26.0	27.7
412	22.7	26.7	28.6
413	19.8	20.0	26.1
414	24.3	29.6	27.6
415	25.3	29.0	28.3
416	17.2	19.7	23.1
417	20.7	25.0	26.0
418	19.7	23.6	26.3
419	22.7	25.1	25.4
420	30.3	32.9	30.3

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post coitum*		
	1-7	7-14	14-21
421	22.2	31.6	37.1
422	15.5	21.4	22.0
423	22.2	23.9	24.6
424	22.0	27.1	29.6
425	21.8	22.6	24.6
426	20.2	25.0	24.9
427	23.5	22.9	26.7
428	15.8	18.1	24.0
429	20.0	27.3	31.1
430	17.3	21.0	21.1
431	20.8	24.3	26.0
432	20.8	24.6	23.6
433	23.0	26.6	27.0
434	19.8	22.4	23.6

Appendix 14 (continued) Individual Food Consumptions (g/rat/day) During Gestation – Females (b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post coitum*		
	1-7	7-14	14-21
435	23.5	22.0	28.9
436	21.0	22.6	25.6
437	24.2	29.7	30.4
438	23.2	27.7	20.6
439	Not pregnant		
440	Not pregnant		
441	23.7	20.9	Killed *in extremis*
442	16.7	23.1	22.9
443	20.7	24.3	26.9
444	21.0	21.4	23.4
445	25.8	26.6	31.9
446	27.0	28.6	31.0
447	22.5	29.3	28.0
448	20.8	27.6	31.4

Appendix 15 Individual Food Consumptions (g/rat/day) During Lactation – Females
(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Day *post partum*		
	1-7	7-14	14-21
113	43.7	77.4	91.7
114	39.5	76.4	89.7
115	Total litter loss		
116	38.7	68.4	81.3
117	-	59.4	78.3
118	Not pregnant		
119	37.7	57.6	73.6
120	41.3	66.9	84.1
121	23.0	41.6	54.3
122	Killed *in extremis*		
123	27.0	51.9	63.0
124	35.7	67.1	80.4
125	37.0	70.0	78.9
126	33.7	68.7	83.0

- = Missed in error

Appendix 15 (continued) Individual Food Consumption (g/rat/day) During Lactation – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post partum*		
	1-7	7-14	14-21
127	42.2	67.0	75.3
128	35.5	59.6	69.3
129	36.0	65.1	86.4
130	31.7	57.0	70.4
131	36.0	66.3	84.6
132	39.7	66.4	84.7
133	43.2	74.3	85.7
134	38.0	61.0	72.9
135	44.8	57.3	74.7
136	46.7	76.7	87.7
137	44.7	67.3	75.0
138	21.8	26.4	31.6
139	45.8	60.0	61.3
140	41.2	69.1	79.1

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day *post partum*		
	1-7	7-14	14-21
141	52.5	77.0	95.3
142	42.2	66.3	81.6
143	41.2	68.6	83.0
144	37.3	61.4	72.7
145	39.0	71.0	83.3
146	40.7	70.6	81.7
147	37.5	66.1	77.6
148	-	87.6	33.9
149	35.8	67.4	84.6
150	33.8	67.1	77.1
151	45.2	73.0	98.1
152	37.8	75.1	85.4
153	Total litter loss		
154	38.7	67.0	75.1

- = Missed in error

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day *post partum*		
	1-7	7-14	14-21
155	43.0	72.6	91.7
156	47.3	77.7	91.4
157	Not pregnant		
158	45.8	71.1	75.7
159	36.2	69.0	85.3
160	39.5	78.6	85.6
161	44.0	77.6	93.4
162	37.2	69.0	85.7
163	39.7	67.4	82.0
164	40.7	67.0	81.9
165	43.0	72.0	89.9
166	35.8	60.0	73.1
167	Not pregnant		
168	42.8	65.1	79.3

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*		
	1-7	7-14	14-21
169	41.5	70.4	86.9
170	39.2	71.6	87.6
171	34.7	59.0	76.6
172	28.3	60.7	77.1
173	40.8	61.7	78.6
174	34.7	64.7	75.6
175	38.8	72.9	84.7
176	41.0	65.9	68.4
177	29.7	58.0	72.3
178	33.3	63.4	78.6
179	34.8	57.0	71.0
180	28.0	62.4	80.6
181	Total litter loss		
182	36.0	36.1	38.1

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post partum*		
	1-7	7-14	14-21
183	37.2	65.1	82.3
184	32.2	56.4	75.0
185	39.3	60.9	75.9
186	43.2	70.7	82.4
187	Not pregnant		
188	38.5	67.7	77.7
189	35.7	61.4	79.0
190	28.2	48.1	57.4
191	41.7	66.7	86.3
192	34.3	68.7	91.3
193	28.3	61.0	83.0
194	Not pregnant		
195	39.7	71.4	84.0
196	32.8	74.3	77.3

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day *post partum*		
	1-7	7-14	14-21
197	32.8	56.6	68.6
198	34.7	55.1	63.0
199	35.5	66.3	77.3
200	29.2	54.1	69.9
201	29.5	42.6	48.4
202	23.8	54.3	70.9
203	40.2	28.3	29.4
204	37.3	65.4	81.3
205	35.5	70.0	83.4
206	44.8	77.4	92.4
207	29.7	57.9	66.7
208	39.0	69.1	81.6
209	36.2	72.7	90.1
210	37.8	72.0	80.4

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post partum*		
	1-7	7-14	14-21
211	34.2	65.3	78.0
212	35.8	47.4	55.6
213	39.3	72.0	79.1
214	32.8	61.0	76.1
215	26.3	52.1	66.3
216	43.8	75.0	86.1
217	34.3	71.0	76.7
218	47.0	83.9	96.9
219	34.7	69.0	81.0
220	31.7	60.7	77.3
221	23.3	37.6	44.9
222	42.7	61.3	65.3
223	42.0	67.4	78.3
224	29.7	57.7	75.1

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post partum*		
	1-7	7-14	14-21
337	Not pregnant		
338	43.8	70.1	85.9
339	41.3	62.4	76.9
340	38.3	67.4	79.6
341	47.8	77.6	102.1
342	49.7	74.9	94.1
343	46.5	71.3	76.6
344	39.7	62.6	81.9
345	49.0	79.4	96.3
346	55.5	88.3	102.9
347	38.0	59.4	82.7
348	Found dead		
349	35.8	59.0	65.1
350	38.0	63.0	76.0

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post partum*		
	1-7	7-14	14-21
351	46.0	71.9	83.3
352	51.3	75.4	87.6
353	53.3	77.4	97.1
354	40.3	64.4	80.7
355	37.7	67.6	77.0
356	37.5	70.6	89.1
357	50.7	82.1	104.4
358	35.2	53.7	67.3
359	45.2	76.0	89.4
360	28.8	48.6	66.7
361	44.8	77.1	91.1
362	44.0	71.6	80.3
363	38.5	60.1	78.0
364	51.2	77.7	94.6

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post partum*		
	1-7	7-14	14-21
365	51.2	74.0	87.7
366	Found dead		
367	47.7	75.4	92.1
368	49.2	70.3	86.3
369	50.8	75.6	82.3
370	38.3	60.1	81.4
371	55.3	76.1	94.4
372	44.2	71.3	81.9
373	41.8	68.9	79.0
374	43.3	73.6	83.4
375	39.3	61.0	84.3
376	48.3	74.3	86.6
377	Found dead		
378	43.0	72.4	89.0

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day *post partum*		
	1-7	7-14	14-21
379	54.3	82.3	91.7
380	33.0	66.9	59.3
381	41.2	68.3	83.4
382	45.8	71.9	83.7
383	47.0	76.0	93.1
384	40.3	68.4	88.3
385	36.3	66.6	85.3
386	43.2	74.7	84.7
387	56.3	94.0	107.4
388	36.5	71.1	83.6
389	47.7	77.3	95.0
390	37.7	61.9	75.1
391	47.8	76.7	86.0
392	41.2	72.6	91.1

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*		
	1-7	7-14	14-21
393	46.5	69.3	79.3
394	54.3	79.6	87.3
395	40.3	67.7	81.7
396	31.7	58.1	74.6
397	42.3	66.0	82.9
398	Not pregnant		
399	41.7	67.0	74.7
400	37.0	59.4	79.7
401	37.7	58.9	82.6
402	44.0	68.0	80.0
403	46.0	74.0	95.3
404	36.3	62.9	77.7
405	43.0	71.4	92.0
406	52.0	73.9	84.0

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post partum*		
	1-7	7-14	14-21
407	46.2	76.9	83.3
408	48.7	72.1	85.6
409	39.7	59.0	73.7
410	Not pregnant		
411	44.8	66.4	87.7
412	47.3	72.3	87.1
413	41.0	67.6	79.0
414	48.7	70.0	91.0
415	43.5	74.0	94.7
416	43.2	65.0	82.6
417	38.8	65.7	81.7
418	-	-	85.1
419	38.2	57.7	71.7
420	45.2	63.7	91.3

- = Missed in error

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post partum*		
	1-7	7-14	14-21
421	41.7	66.7	85.1
422	32.5	49.6	67.4
423	-	40.9	48.6
424	43.8	70.9	88.7
425	42.3	65.7	79.3
426	48.0	73.9	91.0
427	43.3	66.1	75.1
428	45.7	70.1	79.7
429	48.7	63.4	82.7
430	40.2	62.7	76.0
431	35.0	63.4	74.6
432	39.7	73.9	86.4
433	33.8	56.1	73.3
434	43.0	70.7	87.6

- = Missed in error

Appendix 15 (continued) **Individual Food Consumption (g/rat/day) During Lactation – Females**
(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post partum*		
	1-7	7-14	14-21
435	42.0	73.9	Found dead
436	34.0	55.0	67.9
437	48.3	71.3	85.3
438	48.2	75.1	83.9
439	Not pregnant		
440	Not pregnant		
441	Killed *in extremis*		
442	32.5	54.0	72.4
443	37.3	59.0	74.9
444	39.2	71.0	79.9
445	49.2	72.3	96.7
446	42.7	59.6	100.0
447	34.5	57.9	72.0
448	54.3	73.6	92.7

SafePharm Laboratories

SANITIZED (Non-CBI)

SP 7077:

ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

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Appendix 16 Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
113	16	15	15	15	14	14	16	2.24	1.17
114	15	15	14	14	14	14	15	2.67	1.14
115	15	15	1	Total litter loss			17	2.66	1.07
116	17	17	17	17	15	15	18	2.44	1.13
117	17	16	14	14	14	14	17	2.48	1.28
118	Not pregnant								
119	13	13	13	13	13	13	14	2.87	1.20
120	15	15	15	15	14	14	17	2.62	1.18
121	18	18	16	7	6	6	18	2.63	1.21
122	Killed *in extremis*								
123	8	8	8	8	8	8	8	2.63	1.02
124	11	11	11	11	11	11	11	2.59	1.06
125	18	18	17	15	14	14	18	2.50	1.02
126	15	15	15	15	14	14	15	2.50	1.08

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
127	11	11	11	11	11	11	12	3.44	1.54
128	12	12	12	12	11	11	14	2.61	0.98
129	14	14	14	14	14	14	14	2.52	1.05
130	8	8	8	8	8	8	8	2.75	0.98
131	14	13	13	13	13	13	15	2.39	1.09
132	13	13	13	13	13	13	14	2.91	1.14
133	16	16	15	15	15	15	16	2.69	0.99
134	14	13	13	13	13	13	15	2.51	1.06
135	9	9	9	9	9	9	15	2.71	1.16
136	18	18	18	18	16	16	18	2.63	1.16
137	17	17	16	15	14	14	18	2.60	0.89
138	19	19	19	9	2	2	19	2.52	1.12
139	16	15	15	15	7	7	20	2.66	1.11
140	15	15	15	15	15	15	15	2.60	1.21

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
141	16	14	14	14	13	13	16	2.74	1.51
142	14	14	14	14	13	13	15	2.42	0.96
143	16	16	16	16	16	16	16	2.69	1.12
144	14	14	14	14	14	14	14	2.52	1.22
145	17	16	14	14	14	14	18	2.57	1.18
146	14	14	14	14	14	14	18	2.72	0.79
147	16	16	16	16	16	16	17	2.28	0.99
148	8	8	8	8	8	8	8	2.67	1.06
149	14	14	14	13	13	13	15	2.55	1.11
150	16	16	16	16	16	16	17	2.72	1.13
151	16	16	16	16	16	16	16	2.78	1.16
152	16	16	15	15	15	15	16	2.69	1.22
153	11	9	Total litter loss				18	2.26	1.05
154	15	14	14	14	14	14	15	2.62	1.19

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
155	14	14	14	14	14	14	16	2.59	1.00
156	14	14	14	14	14	14	14	2.99	1.22
157	Not pregnant								
158	15	15	15	15	15	15	18	2.68	1.18
159	15	15	13	13	13	13	17	2.76	1.16
160	19	19	18	17	16	16	20	2.65	1.17
161	15	15	15	15	13	13	16	2.90	1.20
162	13	13	13	13	13	13	16	2.41	0.92
163	15	15	15	15	15	15	15	2.54	1.12
164	16	16	16	16	15	15	18	2.43	1.02
165	16	16	16	16	16	16	16	2.89	1.05
166	16	16	16	16	15	15	16	2.33	1.01
167	Not pregnant								
168	19	19	19	18	16	16	19	2.36	0.94

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
169	16	16	16	16	16	16	16	2.60	1.14
170	15	15	15	15	15	15	15	2.41	0.76
171	16	16	14	13	12	12	18	2.38	0.93
172	17	15	15	15	15	15	18	2.64	1.13
173	15	15	15	15	10	9	15	2.90	1.09
174	16	16	16	16	16	16	17	2.76	1.14
175	16	16	16	16	16	16	16	1.84	0.79
176	11	11	11	11	11	11	11	2.37	0.94
177	10	10	10	10	10	10	14	2.61	1.15
178	13	13	13	13	12	12	13	2.54	1.00
179	12	12	12	11	9	9	14	2.87	1.20
180	15	15	14	14	14	14	16	2.83	0.95
181	Total litter loss								
182	15	15	15	14	2	2	15	2.75	1.17

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
183	16	16	16	16	14	14	18	2.16	0.85
184	14	14	13	13	13	13	15	2.47	1.02
185	13	13	13	13	13	13	13	2.51	0.91
186	15	15	15	15	14	14	16	2.81	1.13
187	Not pregnant								
188	14	13	13	13	13	13	14	2.63	1.18
189	12	12	12	12	12	12	12	2.36	1.08
190	6	6	6	6	6	6	6	2.69	0.83
191	17	17	17	17	17	17	17	2.68	0.92
192	15	14	14	14	14	14	15	2.80	1.21
193	15	15	14	14	12	12	17	2.74	0.97
194	Not pregnant								
195	15	14	14	14	14	13	17	2.08	0.87
196	15	15	15	14	12	12	15	2.34	0.93

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
197	14	14	14	14	10	10	14	2.32	0.99
198	8	7	7	7	7	7	12	3.12	1.34
199	14	14	14	14	13	13	14	2.74	1.13
200	12	11	11	10	10	10	12	2.34	1.06
201	11	11	11	11	5	5	12	1.81	0.77
202	13	13	13	13	12	12	12	2.25	0.99
203	17	17	15	9	3	3	17	2.70	1.13
204	12	12	12	12	12	12	13	2.58	1.14
205	17	17	16	16	15	15	17	2.58	1.01
206	17	17	17	16	16	15	17	2.67	1.08
207	11	10	10	10	10	10	13	2.57	1.06
208	16	16	16	16	16	16	18	2.46	1.11
209	13	13	13	13	13	13	14	2.82	1.08
210	14	14	14	14	14	14	17	2.55	1.18

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
211	13	13	13	13	13	13	14	2.81	1.08
212	16	16	16	15	6	6	18	2.72	1.22
213	13	13	13	13	12	12	14	2.52	1.02
214	11	11	11	11	10	10	11	2.58	0.90
215	10	10	10	10	10	10	10	2.71	1.04
216	16	16	16	16	16	16	16	2.33	1.22
217	13	12	12	12	12	12	13	2.61	1.34
218	15	15	15	15	15	15	15	2.75	1.21
219	13	13	13	13	13	13	13	2.57	0.84
220	12	12	12	12	11	11	13	2.56	0.95
221	5	5	5	5	5	5	8	2.76	1.12
222	15	15	15	14	8	7	15	2.73	1.04
223	15	15	15	15	14	14	15	2.74	1.20
224	8	8	8	8	8	8	8	2.70	0.98

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring
(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
337	Not pregnant								
338	18	18	18	16	16	16	18	2.48	1.07
339	19	17	17	17	17	17	19	2.71	1.11
340	17	17	17	17	17	17	18	2.36	1.00
341	16	16	15	15	15	15	16	2.66	1.03
342	15	15	14	14	14	14	13	2.58	1.00
343	18	18	17	17	17	17	20	2.47	1.06
344	15	15	15	15	15	15	17	2.51	1.12
345	15	14	14	14	14	14	16	2.73	1.04
346	14	14	14	14	14	14	16	2.83	0.99
347	16	16	15	15	12	11	19	2.54	1.05
348	Found dead								
349	8	8	8	8	8	8	9	2.72	1.15
350	15	13	12	12	11	11	16	2.73	1.15

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(b) $F_1 – F_2$ Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
351	16	16	16	16	16	16	17	2.60	1.08
352	13	13	13	13	13	13	15	2.53	1.09
353	15	15	15	15	15	15	16	2.43	1.05
354	14	14	14	14	14	14	15	2.53	1.08
355	14	14	14	14	14	14	15	2.66	1.07
356	16	16	16	16	16	16	17	2.51	1.08
357	14	14	14	14	14	14	15	2.71	1.06
358	12	12	12	12	12	12	12	2.59	1.07
359	16	16	16	15	15	15	18	2.34	1.05
360	11	11	10	10	10	10	13	2.36	0.99
361	13	13	13	13	13	13	16	2.59	0.92
362	15	13	12	12	12	12	15	2.57	1.07
363	14	14	14	14	14	14	15	2.52	1.11
364	14	12	12	12	12	12	17	2.67	1.11

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring
(b) $F_1 – F_2$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
365	14	14	14	14	14	14	15	2.64	1.01
366	Found dead								
367	16	16	15	15	13	13	17	2.49	1.01
368	17	17	17	17	17	17	17	2.61	1.11
369	17	17	17	17	17	17	18	2.38	1.02
370	16	16	16	16	16	16	17	2.42	1.09
371	16	16	16	15	15	15	16	2.49	1.11
372	17	17	17	17	17	17	18	2.51	1.06
373	16	16	16	16	15	15	17	2.30	1.04
374	17	17	17	17	17	17	18	2.42	1.06
375	16	15	14	14	14	14	16	2.45	1.04
376	17	17	16	16	16	16	18	2.50	1.09
377	Found dead								
378	14	14	14	14	14	14	16	2.74	1.06

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**

(b) $F_1 - F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
379	18	18	18	18	18	18	18	2.52	1.05
380	5	5	5	5	5	5	12	2.96	1.06
381	13	13	13	13	13	13	16	2.70	1.05
382	13	13	13	13	13	13	14	2.61	1.10
383	15	14	14	14	13	13	15	2.48	1.07
384	14	14	13	13	13	13	14	2.68	1.07
385	12	12	12	12	12	12	12	2.58	1.03
386	17	17	17	17	17	17	17	2.46	1.02
387	17	17	16	16	16	16	17	2.66	1.02
388	14	14	14	14	14	14	15	2.65	1.05
389	17	17	16	16	16	16	20	2.21	0.86
390	15	15	14	14	14	14	15	2.55	1.03
391	14	14	14	14	14	14	15	2.62	1.15
392	15	15	15	15	15	15	15	2.38	1.05

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
393	15	15	15	15	15	15	16	2.55	1.12
394	17	17	17	17	17	17	18	2.70	1.06
395	12	12	12	12	12	12	14	2.47	1.24
396	15	14	14	14	14	14	16	2.53	1.11
397	15	15	15	15	15	15	15	2.68	1.11
398	Not pregnant								
399	17	17	17	17	15	15	17	2.55	1.07
400	15	15	15	14	14	13	16	2.61	0.96
401	12	12	12	12	12	12	13	2.37	0.98
402	15	15	15	15	15	15	16	2.44	1.08
403	15	15	14	14	14	14	16	2.48	1.08
404	13	13	13	13	13	13	13	2.42	1.17
405	15	15	15	15	15	15	16	2.54	1.04
406	18	18	17	17	17	17	18	2.59	1.06

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**

(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
407	17	16	16	16	16	16	17	2.53	1.03
408	18	18	17	17	17	17	18	2.38	1.01
409	14	14	14	14	14	14	14	2.48	1.10
410	Not pregnant								
411	13	13	13	13	13	13	13	2.75	1.14
412	14	14	14	14	14	14	14	2.19	1.08
413	14	13	13	12	12	12	14	2.48	1.04
414	18	18	18	18	18	18	19	2.48	1.16
415	15	15	15	15	15	15	17	2.52	1.09
416	15	15	15	15	15	15	15	2.76	1.08
417	13	13	13	13	13	13	14	2.43	1.05
418	15	15	14	14	14	14	16	2.39	1.03
419	15	15	15	13	13	13	15	2.31	1.08
420	15	15	15	15	15	15	18	2.73	1.07

Appendix 16 (continued) **Individual Litter Sizes During Lactation – Offspring**
(b) F_1 – F_2 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
421	18	17	16	16	15	15	18	2.58	1.07
422	11	11	11	11	11	11	11	1.85	0.85
423	14	14	6	5	5	5	15	2.16	0.97
424	14	14	14	13	13	13	14	2.33	1.11
425	13	13	13	13	13	13	13	2.42	1.03
426	13	13	13	13	12	12	14	2.97	1.06
427	15	15	14	14	14	14	16	2.24	1.04
428	12	12	12	12	12	12	14	2.60	1.07
429	13	12	12	12	12	12	13	2.62	1.11
430	11	11	11	11	10	10	12	2.73	1.18
431	12	12	12	12	12	12	14	2.41	1.07
432	14	14	14	14	14	14	16	2.23	1.07
433	10	10	10	10	10	10	13	2.42	1.01
434	14	14	14	14	14	14	14	2.41	1.07

Appendix 16 (continued) Individual Litter Sizes During Lactation – Offspring

(b) $F_1 – F_2$ Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Number born	Day *post partum*					Implantation number	Ano-genital distance (mm)	
		1	4	7	14	21		Male	Female
435	15	15	15	15	15	Found dead	17	2.52	1.10
436	15	15	15	15	14	14	15	2.36	1.05
437	14	14	14	14	14	14	16	2.67	1.01
438	16	16	16	15	15	15	17	2.51	1.02
439	Not pregnant								
440	Not pregnant								
441	Killed *in extremis*								
442	9	9	9	9	9	9	9	2.40	1.06
443	11	11	11	11	11	11	14	2.16	1.13
444	13	13	13	13	13	13	15	2.39	1.00
445	15	14	14	14	13	13	15	2.71	1.11
446	15	15	15	15	15	15	17	2.93	1.11
447	11	11	11	11	11	11	13	2.89	1.05
448	17	14	14	14	14	14	18	2.53	1.10

Appendix 17 Individual Litter Weights (g) During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
113	95.1	134.1	296.9	368.2	586.0
114	92.3	135.2	209.9	408.3	658.4
115	85.8	4.7	Total litter loss		
116	106.0	152.2	225.1	409.7	624.4
117	82.0	89.6	142.4	419.7	498.8
118	Not pregnant				
119	101.8	129.3	182.2	316.7	497.9
120	103.9	136.7	202.0	372.6	602.7
121	95.0	90.0	47.2	113.7	199.8
122	Killed *in extremis*				
123	56.0	77.2	117.4	234.2	370.8
124	84.8	117.8	178.8	334.2	536.4
125	101.1	121.3	161.9	328.7	490.5
126	93.9	137.8	205.1	414.5	645.1

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post partum*				
	1	4	7	14	21
127	89.3	132.8	195.0	364.7	608.5
128	79.5	109.0	154.4	304.2	492.4
129	91.1	123.3	183.0	352.9	573.5
130	58.7	87.3	132.3	265.4	413.7
131	79.8	115.7	170.2	333.8	536.1
132	98.4	134.7	180.1	357.7	586.2
133	104.9	139.7	206.8	382.1	573.6
134	84.4	123.8	183.7	359.8	552.0
135	72.9	117.0	173.9	337.7	544.4
136	113.4	152.5	219.9	385.4	580.7
137	116.5	158.3	214.7	389.2	610.4
138	108.1	115.7	61.0	44.9	80.4
139	101.1	137.9	187.0	207.4	332.9
140	98.5	136.5	208.6	410.3	634.7

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**
(a) $F_0 – F_1$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
141	102.5	155.6	227.9	416.8	685.6
142	95.2	139.8	204.5	374.4	600.5
143	104.4	136.2	200.8	398.2	611.7
144	88.7	120.0	217.7	339.9	544.4
145	109.9	134.5	201.9	392.3	617.1
146	104.0	153.0	213.1	385.3	601.1
147	91.7	132.6	200.3	372.6	561.7
148	57.7	89.3	134.2	261.0	412.2
149	90.6	129.6	184.3	379.1	592.7
150	97.0	134.1	197.5	381.1	566.5
151	113.7	169.2	236.5	428.8	690.8
152	106.5	136.7	200.5	396.8	604.3
153	44.5	Total litter loss			
154	90.1	125.8	182.7	353.4	553.9

Appendix 17 (continued) Individual Litter Weights (g) During Lactation – Offspring

(a) $F_0 – F_1$ Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day *post partum*				
	1	4	7	14	21
155	105.0	154.8	226.6	400.2	664.3
156	104.9	152.8	227.1	420.9	687.1
157	Not pregnant				
158	102.2	151.7	229.9	425.3	655.1
159	90.3	116.8	186.1	385.5	587.1
160	106.8	133.1	183.1	380.0	592.7
161	101.2	142.4	209.4	398.9	616.1
162	83.9	121.0	186.4	374.3	591.3
163	98.7	134.2	194.4	351.2	563.4
164	106.8	147.9	216.3	394.4	620.8
165	106.5	155.4	226.4	423.6	676.9
166	89.9	131.2	184.6	336.1	-
167	Not pregnant				
168	111.8	153.2	205.0	354.9	575.2

- = Missed in error

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
169	109.1	156.5	223.9	414.8	707.1
170	90.9	126.9	186.8	370.3	569.4
171	98.7	108.9	143.0	276.7	469.2
172	82.7	113.3	166.9	331.1	501.9
173	100.8	142.1	194.7	281.8	460.2
174	102.1	137.6	197.9	378.4	602.3
175	100.1	142.7	205.7	386.4	615.3
176	70.9	111.1	165.3	338.4	512.3
177	62.0	100.0	161.0	323.0	507.3
178	84.8	119.0	165.3	320.0	517.3
179	85.9	124.3	173.0	283.0	455.5
180	83.0	103.5	151.1	313.0	523.3
181	Total litter loss				
182	95.2	127.8	159.7	75.2	112.9

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post partum*				
	1	4	7	14	21
183	99.9	128.6	185.2	335.8	520.3
184	94.5	123.4	187.4	342.6	543.1
185	90.1	117.5	174.2	320.5	522.7
186	102.2	144.9	198.8	394.5	622.2
187	Not pregnant				
188	89.5	126.4	190.0	361.7	569.5
189	80.8	123.4	180.9	336.4	545.5
190	52.2	77.5	118.8	222.7	342.5
191	109.0	148.1	210.5	376.7	567.8
192	87.9	124.8	199.5	386.2	637.8
193	89.8	123.2	175.2	316.3	521.6
194	Not pregnant				
195	87.0	124.4	183.3	364.2	563.7
196	88.9	111.0	146.9	261.1	445.7

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
197	91.7	134.9	185.8	280.8	461.5
198	56.6	94.3	144.0	282.8	407.5
199	82.6	124.5	177.3	328.6	525.7
200	75.6	100.5	146.4	277.5	470.8
201	65.0	87.4	114.0	126.4	217.5
202	73.7	91.6	130.2	260.9	436.2
203	97.3	94.8	62.1	39.8	69.9
204	77.9	117.9	173.0	338.7	541.2
205	96.8	134.7	190.6	356.8	545.6
206	122.0	165.0	221.4	412.8	673.5
207	64.6	93.1	140.3	279.4	392.5
208	106.3	139.6	196.5	366.6	566.0
209	95.8	135.0	188.0	365.8	619.3
210	92.2	130.9	190.9	379.5	610.3

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post partum*				
	1	4	7	14	21
211	77.2	111.7	166.6	325.1	504.5
212	117.8	154.4	191.1	188.7	317.1
213	77.3	112.6	163.1	331.5	521.0
214	72.5	101.7	144.4	282.1	458.9
215	61.9	89.7	130.2	245.8	367.5
216	116.0	171.8	235.3	427.2	680.2
217	73.2	90.6	147.4	298.5	508.4
218	95.2	138.8	204.3	403.6	622.1
219	88.1	125.9	184.0	367.3	574.1
220	94.4	122.9	163.7	307.1	513.2
221	38.9	64.6	92.6	169.1	274.6
222	103.8	138.6	186.9	265.4	392.3
223	95.0	135.9	185.7	344.2	544.1
224	59.2	95.2	134.9	276.0	456.9

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
337	Not pregnant				
338	108.5	144.8	193.6	382.0	601.2
339	105.7	146.8	205.6	370.2	560.5
340	107.0	135.6	196.6	377.3	550.0
341	111.0	133.7	194.2	373.8	633.6
342	101.2	137.7	209.3	413.9	646.4
343	105.9	141.7	210.5	407.0	597.7
344	95.4	128.0	187.4	358.6	543.6
345	102.2	152.2	224.2	427.4	687.4
346	105.1	147.6	217.8	429.9	699.4
347	93.1	119.2	162.4	272.4	465.2
348	Found dead				
349	55.1	78.5	115.6	250.8	377.7
350	82.2	98.4	147.2	297.9	462.5

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(b) F_1 – F_2 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post partum*				
	1	4	7	14	21
351	102.6	144.8	204.5	408.8	589.1
352	99.8	150.3	224.9	424.2	676.9
353	103.5	141.5	206.1	393.8	616.3
354	100.5	143.8	203.6	377.6	625.1
355	92.3	129.7	186.8	370.3	574.1
356	102.7	143.9	203.2	391.0	611.4
357	109.3	153.9	220.9	436.1	679.8
358	89.0	130.7	181.6	289.3	452.9
359	112.1	155.0	215.7	424.8	676.8
360	66.9	87.4	135.9	279.6	451.7
361	89.1	128.2	189.5	375.5	586.2
362	85.7	115.5	179.2	365.1	559.3
363	89.0	121.2	177.1	327.0	522.5
364	93.3	137.0	213.8	412.7	660.1

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
365	97.7	135.2	204.6	385.0	607.5
366	Found dead				
367	102.7	136.1	187.8	362.3	574.6
368	119.6	167.5	230.4	404.8	655.9
369	108.1	149.2	216.1	401.0	607.3
370	102.4	139.9	200.1	366.5	556.4
371	105.3	167.6	236.4	428.3	697.2
372	101.6	141.5	204.8	402.7	627.3
373	97.6	131.2	188.0	358.2	558.9
374	103.5	140.8	206.4	394.2	578.5
375	98.5	133.6	195.5	377.4	618.9
376	100.9	136.5	214.4	417.4	635.0
377	Found dead				
378	90.1	122.3	188.8	383.9	656.0

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(b) F_1 – F_2 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Day *post partum*				
	1	4	7	14	21
379	107.1	153.5	236.2	461.1	677.7
380	37.5	61.7	102.3	229.3	343.4
381	96.0	130.9	191.0	377.1	592.4
382	92.7	132.0	200.3	400.5	631.9
383	94.7	135.3	202.7	394.0	622.2
384	87.8	114.4	173.6	351.7	545.1
385	78.3	111.3	156.0	357.9	548.7
386	104.9	132.9	195.8	396.2	575.5
387	115.5	159.9	259.3	536.3	792.0
388	86.4	123.5	180.3	369.7	570.8
389	102.7	126.6	196.3	406.0	637.7
390	84.3	114.0	173.5	349.3	534.9
391	92.0	135.5	210.0	417.6	628.3
392	98.7	135.2	193.4	408.4	629.8

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
393	92.3	142.8	214.5	411.1	632.7
394	118.6	175.3	261.3	464.3	660.7
395	82.7	120.3	179.4	366.5	603.3
396	81.2	118.2	180.1	347.7	541.6
397	91.9	129.1	186.5	366.5	557.6
398	Not pregnant				
399	95.0	124.7	180.6	352.7	527.8
400	91.2	121.1	163.9	336.5	545.6
401	81.0	118.1	173.2	332.6	553.0
402	86.9	117.8	174.7	346.7	521.3
403	91.7	112.9	169.5	382.1	580.2
404	84.8	114.9	168.1	335.2	533.4
405	87.7	130.4	197.1	386.5	617.4
406	114.6	147.0	201.8	389.4	580.7

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**

(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*				
	1	4	7	14	21
407	92.2	122.0	190.3	394.4	576.0
408	109.4	140.9	204.8	391.7	592.5
409	85.9	121.0	183.2	346.8	534.7
410	Not pregnant				
411	95.1	142.4	202.7	383.3	640.1
412	91.0	136.0	197.2	406.9	632.8
413	84.2	114.4	163.1	339.5	521.2
414	112.0	146.5	217.2	425.6	652.3
415	97.5	130.1	196.7	397.1	625.4
416	100.0	130.2	186.2	361.9	571.1
417	79.4	107.7	153.8	312.2	494.4
418	94.8	124.9	191.3	385.3	601.1
419	92.4	128.5	165.2	308.1	552.8
420	97.3	139.1	208.1	394.9	618.3

Appendix 17 (continued) **Individual Litter Weights (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post partum*				
	1	4	7	14	21
421	107.0	148.6	212.7	347.6	596.1
422	68.9	99.4	143.6	273.6	438.8
423	71.1	28.2	43.6	117.9	197.9
424	91.1	132.3	190.4	373.4	576.5
425	81.1	115.8	172.3	345.8	587.7
426	96.6	131.9	188.0	368.3	608.3
427	92.0	117.8	179.4	360.9	555.4
428	83.4	118.8	182.2	363.3	574.4
429	82.6	120.9	179.8	336.1	551.5
430	83.1	114.7	171.4	310.3	500.4
431	79.0	110.6	166.9	338.1	514.0
432	88.1	131.2	187.5	365.9	550.5
433	61.6	88.7	131.9	279.6	457.9
434	85.5	119.6	179.2	362.5	561.9

Appendix 17 (continued) Individual Litter Weights (g) During Lactation – Offspring
(b) $F_1 – F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day *post partum*				
	1	4	7	14	21
435	94.8	133.5	189.4	391.0	Found dead
436	86.9	121.8	164.1	292.1	435.3
437	84.7	122.9	188.6	368.5	559.2
438	102.9	136.9	194.5	381.2	580.1
439	Not pregnant				
440	Not pregnant				
441	Killed *in extremis*				
442	65.6	91.0	134.9	270.1	447.0
443	74.2	109.2	159.8	308.0	502.3
444	82.4	120.1	170.1	371.1	566.3
445	109.4	154.8	213.4	378.3	636.5
446	109.7	152.0	218.3	416.3	700.2
447	79.8	114.5	162.0	311.6	505.8
448	104.3	150.3	221.5	409.4	633.1

Appendix 18 Individual Litter Mean Bodyweight (g) During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
113	6.5	6.2	9.4	8.7	13.8	12.7	27.1	25.7	42.5	41.4
114	6.2	6.2	10.0	9.4	15.5	14.5	29.2	29.1	48.0	46.0
115	5.9	5.6	4.7	-	Total litter loss					
116	6.3	6.1	8.7	9.2	13.7	12.8	27.5	27.2	42.4	40.9
117	5.2	4.8	6.6	5.7	10.7	8.4	30.5	28.2	36.4	32.7
118	Not pregnant									
119	8.1	7.3	10.2	9.4	14.5	12.8	25.0	23.0	39.1	36.5
120	7.1	6.7	9.3	8.9	13.6	13.3	26.9	26.2	43.3	42.7
121	5.6	5.0	6.0	5.4	-	6.7	-	19.0	-	33.3
122	Killed *in extremis*									
123	7.7	6.8	10.1	9.5	15.4	14.4	29.8	29.1	46.3	46.4
124	7.6	7.8	10.4	10.9	15.4	16.9	29.3	31.3	47.2	50.0
125	5.9	5.3	7.3	6.8	11.1	10.3	24.3	22.4	35.8	34.0
126	6.4	6.1	9.2	9.2	13.0	14.4	30.3	28.9	46.5	45.7

- = Missed in error

Appendix 18 (continued) Individual Mean Bodyweight (g) During Lactation – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
127	8.2	7.9	12.1	12.0	17.8	17.5	33.4	32.6	56.4	52.5
128	6.8	6.4	9.3	8.8	13.1	12.5	29.0	26.1	46.4	42.8
129	6.6	6.5	9.2	8.5	13.7	12.6	26.0	24.7	41.2	40.8
130	7.5	7.0	11.1	10.5	16.6	16.5	33.3	32.8	51.8	51.4
131	6.2	6.1	8.9	8.9	13.5	12.8	26.4	25.3	41.9	40.8
132	7.8	7.4	10.6	10.2	15.4	12.5	27.9	27.2	45.4	44.8
133	6.6	6.5	8.1	9.2	14.4	13.4	26.4	24.9	39.1	37.6
134	6.7	6.0	9.7	8.9	14.3	13.4	28.2	26.0	43.2	40.1
135	8.4	7.8	13.2	12.8	19.7	18.8	38.0	36.9	61.8	58.9
136	6.4	6.0	8.6	8.2	12.2	12.0	24.4	23.3	36.2	36.5
137	7.0	6.7	9.9	9.9	15.0	13.9	28.3	27.5	44.5	42.9
138	5.8	5.6	6.4	5.9	7.4	6.0	21.5	23.4	40.0	40.4
139	7.0	6.6	9.8	8.9	13.1	12.3	29.3	29.9	47.8	47.4
140	6.6	6.5	9.2	9.0	14.1	13.7	28.2	26.8	42.4	42.3

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
141	7.3	7.4	11.4	10.7	16.8	15.4	29.9	31.7	53.3	51.4
142	-	-	-	-	-	-	-	-	-	-
143	6.7	6.3	8.8	8.1	13.2	11.8	25.5	24.1	38.1	38.4
144	6.4	6.3	8.8	8.5	13.0	12.7	24.9	24.0	40.1	38.4
145	7.1	6.6	9.9	9.4	14.6	14.2	28.4	27.6	45.2	43.0
146	7.4	7.5	10.9	10.9	15.2	15.1	27.7	27.3	41.7	45.2
147	5.6	5.8	8.0	8.5	11.9	13.0	23.1	23.4	34.7	35.4
148	7.2	7.2	10.8	11.3	16.9	16.8	31.6	33.0	50.8	51.8
149	6.5	6.4	9.3	9.2	14.2	14.1	28.9	29.7	45.3	46.2
150	6.0	6.1	8.3	8.5	12.3	12.3	23.5	24.1	32.5	37.7
151	7.4	7.0	11.0	10.4	15.0	14.7	26.8	26.8	44.6	42.7
152	6.7	6.6	9.2	9.1	13.2	13.5	26.6	26.3	40.1	40.5
153	5.2	4.7	Total litter loss							
154	6.7	6.1	9.2	8.7	13.3	12.8	25.9	24.4	40.5	38.3

- = Offspring wrongly sexed at day 1 *post partum* – values excluded

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
155	7.7	7.4	11.5	10.8	16.7	15.9	30.1	27.7	48.9	46.7
156	7.6	7.3	11.1	10.8	17.0	16.4	30.1	30.1	49.8	48.3
157	Not pregnant									
158	6.9	6.7	10.1	10.1	15.3	15.3	28.7	27.7	44.0	43.1
159	6.2	5.9	9.3	8.8	14.8	14.1	30.0	29.5	46.0	44.8
160	5.8	5.4	7.5	7.2	10.9	10.5	24.5	22.8	38.5	35.2
161	6.9	6.5	9.8	9.0	14.4	13.2	30.9	30.4	48.4	45.7
162	6.6	6.2	9.7	8.6	15.0	13.3	29.6	27.4	46.9	43.2
163	6.7	6.5	9.1	8.8	13.3	12.7	24.1	22.9	38.2	37.1
164	7.0	6.4	9.7	8.9	13.8	13.3	27.7	25.4	42.7	46.5
165	6.8	6.5	9.9	9.5	14.3	13.9	28.0	25.0	44.5	40.1
166	5.6	5.7	8.1	8.3	11.6	11.4	22.4	22.4	-	-
167	Not pregnant									
168	6.1	5.7	8.2	8.0	11.7	11.2	22.3	22.0	35.9	36.0

- = No bodyweights recorded due to technical error

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
169	7.1	6.6	10.2	9.4	14.4	13.7	26.4	25.5	46.3	42.5
170	6.2	5.8	8.7	7.9	12.7	11.9	25.2	23.7	39.0	36.7
171	6.2	6.1	7.8	7.7	11.2	10.3	22.8	24.5	38.3	39.8
172	5.4	5.6	7.4	7.7	11.0	11.3	21.7	22.6	31.0	36.3
173	6.9	6.6	9.7	9.3	14.0	12.3	31.1	26.2	52.9	49.7
174	6.5	6.3	8.6	8.6	12.3	12.4	24.0	23.4	37.9	37.5
175	6.5	5.8	9.1	8.5	13.1	12.4	24.6	23.1	39.2	36.9
176	6.3	6.8	10.0	10.3	14.8	15.6	30.5	31.5	45.7	48.8
177	6.5	6.1	10.6	9.8	16.9	15.8	33.1	32.0	52.3	50.1
178	6.7	6.2	9.4	8.7	13.0	12.1	26.2	27.3	42.8	43.5
179	7.2	7.1	10.2	10.7	15.8	15.6	31.3	31.9	50.6	50.6
180	5.8	5.3	7.5	7.2	10.9	10.6	22.5	22.2	37.7	36.9
181	Total litter loss									
182	6.3	6.4	8.6	8.6	11.9	10.8	37.6	-	56.5	-

- = No bodyweights recorded due to technical error

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
183	6.4	5.9	8.4	7.2	12.3	10.0	25.0	21.5	41.7	25.9
184	7.0	6.5	8.4	9.2	14.5	14.3	26.4	26.3	42.4	41.3
185	7.0	6.8	8.9	9.2	13.6	13.2	25.0	24.2	40.5	39.9
186	7.0	6.6	9.9	9.4	14.4	11.9	29.7	26.7	47.0	41.9
187	Not pregnant									
188	7.1	6.7	10.2	9.3	14.9	14.3	28.7	27.1	45.0	42.8
189	6.9	6.6	10.4	10.2	15.1	15.0	28.2	27.9	45.6	45.4
190	8.7	8.5	13.1	12.2	20.0	19.0	37.4	35.9	57.4	55.5
191	6.5	6.3	8.8	8.6	12.5	12.1	23.1	20.4	34.7	31.0
192	6.4	6.1	9.0	8.8	14.4	14.1	27.8	27.3	45.8	45.2
193	6.2	5.8	9.2	8.5	13.2	13.7	27.2	25.7	44.7	42.6
194	Not pregnant									
195	6.6	6.0	9.5	8.6	13.8	12.7	27.7	25.1	44.5	42.7
196	6.1	5.8	7.3	7.4	10.2	10.7	21.0	22.1	36.1	37.7

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
197	6.8	6.4	9.9	9.4	13.8	12.9	29.2	27.3	48.0	45.0
198	8.5	7.8	14.1	13.0	20.1	20.2	41.6	39.5	65.0	53.1
199	6.4	5.6	9.1	8.7	12.4	13.0	26.3	24.6	41.2	40.0
200	6.9	6.8	10.1	10.0	14.8	14.6	27.8	27.7	46.6	47.3
201	6.3	5.8	9.0	7.5	11.4	10.0	20.1	28.8	37.8	47.3
202	5.8	5.5	7.0	7.0	10.6	9.3	23.0	20.5	38.3	34.4
203	6.0	5.4	6.4	6.3	7.3	6.6	10.3	14.8	14.6	27.7
204	6.6	6.4	9.7	9.9	14.4	14.5	28.7	27.7	45.8	44.3
205	5.4	5.9	8.3	8.5	9.8	12.1	23.7	23.8	36.0	36.6
206	7.3	7.1	10.0	9.4	14.3	13.3	25.6	26.0	46.4	43.6
207	6.9	5.9	10.0	8.3	14.9	12.7	29.4	25.8	38.1	41.0
208	6.9	6.5	9.3	8.3	13.1	11.7	24.5	21.7	38.3	33.1
209	8.1	7.1	11.2	10.0	15.6	14.0	30.2	27.2	50.2	46.5
210	6.7	6.3	9.5	9.1	14.0	13.0	27.5	26.4	43.9	43.0

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(a) $F_0 – F_1$ Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
211	6.2	5.6	9.0	8.1	13.4	12.2	25.7	24.2	40.1	37.3
212	7.4	7.3	9.7	9.5	13.0	11.7	31.5	-	52.9	-
213	6.0	5.9	8.9	8.5	12.9	12.3	28.4	27.1	44.8	42.4
214	6.8	6.5	9.6	9.0	13.6	12.9	29.1	27.8	47.4	45.2
215	6.5	5.8	9.6	8.4	13.8	12.2	25.9	23.3	34.9	38.6
216	7.5	7.1	11.0	10.6	15.1	14.4	27.0	26.5	43.5	41.9
217	6.3	5.8	7.6	7.5	12.1	12.5	23.7	26.5	41.1	44.1
218	6.3	6.4	9.3	9.1	13.6	13.8	27.0	26.6	41.6	41.2
219	7.0	6.4	10.0	9.2	14.4	13.8	28.9	27.2	44.3	44.0
220	8.2	7.6	10.4	10.1	13.6	13.7	28.7	27.3	47.9	45.7
221	8.0	7.5	13.1	12.7	18.5	19.0	34.1	33.4	55.0	54.8
222	7.0	6.8	9.3	9.2	13.0	13.7	29.2	39.7	53.3	59.7
223	6.6	5.8	9.5	8.2	12.9	11.4	24.8	24.0	39.2	38.0
224	8.5	6.8	13.7	10.8	19.1	15.4	38.0	32.4	62.3	54.0

- = No female offspring alive

Appendix 18 (continued) Individual Mean Bodyweight (g) During Lactation – Offspring
(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
337	Not pregnant									
338	6.3	5.9	8.4	7.8	13.0	11.5	25.9	22.7	40.6	35.8
339	6.7	6.0	9.5	8.3	13.1	11.7	22.6	21.4	34.8	32.2
340	6.4	6.2	8.0	8.0	11.4	11.8	22.2	22.2	32.6	32.1
341	7.2	6.7	9.4	8.6	13.8	12.4	26.6	23.8	45.9	39.8
342	7.1	6.3	10.1	9.5	15.4	14.4	30.1	28.9	47.7	44.2
343	6.2	5.7	8.8	8.0	13.4	11.7	25.6	22.8	37.5	33.5
344	6.5	6.2	8.9	8.1	13.1	11.8	25.0	22.7	37.4	34.9
345	7.5	7.1	11.0	10.8	16.5	15.7	30.7	30.4	49.0	49.2
346	7.8	7.4	11.1	10.3	16.3	15.3	32.4	30.0	51.6	49.3
347	5.9	5.8	8.0	7.9	11.0	10.6	23.9	21.0	42.5	41.9
348	Found dead									
349	-	-	-	-	-	-	-	-	-	-
350	6.6	6.0	8.4	8.0	12.5	12.1	27.0	27.1	42.8	41.2

- = Offspring wrongly sexed at day 1 *post partum* – values excluded

Appendix 18 (continued) Individual Mean Bodyweight (g) During Lactation – Offspring

(b) $F_1 – F_2$ Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
351	6.5	6.2	9.2	8.8	12.6	13.1	26.4	24.1	37.0	23.6
352	7.8	7.5	11.8	11.2	17.5	16.9	33.2	31.7	52.4	51.6
353	7.3	6.8	10.1	9.2	14.5	13.5	28.1	25.6	42.9	40.4
354	7.3	7.0	10.4	10.0	14.7	14.3	27.4	26.3	45.1	43.8
355	6.6	6.5	9.3	9.2	13.4	13.3	26.9	25.4	41.1	40.8
356	6.6	6.3	9.4	8.7	13.4	12.1	25.9	23.3	40.3	36.6
357	8.1	7.7	11.5	10.8	16.6	15.5	32.1	30.8	49.5	48.2
358	7.5	7.1	11.1	10.4	15.3	14.6	24.6	22.7	38.0	37.1
359	7.1	7.0	9.6	9.7	14.2	14.5	27.9	28.6	43.9	46.0
360	6.2	5.9	9.0	8.5	14.2	13.0	29.0	26.9	46.5	43.9
361	7.1	6.4	10.2	9.3	15.1	13.8	29.7	27.5	46.4	43.0
362	6.7	6.5	9.9	9.1	15.2	14.4	31.1	29.1	47.8	44.2
363	-	-	-	-	-	-	-	-	-	-
364	7.8	7.7	11.5	11.2	18.0	17.5	34.6	34.0	55.8	54.0

- = values excluded due to technical error

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**
(b) F_1 – F_2 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
365	7.0	6.9	9.9	9.4	14.7	14.5	28.2	26.6	44.3	42.2
366	Found dead									
367	6.5	6.4	9.2	8.9	13.0	12.0	28.2	27.5	44.4	44.0
368	7.0	7.0	9.8	10.0	13.3	13.8	23.7	23.9	38.5	38.7
369	6.5	6.2	9.0	8.5	12.9	12.5	23.5	23.7	35.4	36.0
370	6.6	6.2	8.9	8.6	12.8	12.2	23.6	22.3	36.4	33.1
371	6.8	6.4	11.0	10.2	16.5	15.3	29.4	28.0	48.6	45.1
372	6.1	5.8	8.5	8.1	12.4	11.6	24.1	23.1	38.0	35.4
373	6.3	6.0	8.7	8.0	11.9	11.7	24.4	23.7	38.3	36.9
374	6.3	5.7	8.6	7.8	12.5	11.5	23.6	22.4	34.5	33.2
375	6.7	6.4	9.7	9.3	14.2	13.6	27.2	26.5	44.9	43.0
376	5.9	6.0	8.8	8.1	13.4	13.3	26.0	26.2	39.6	39.9
377	Found dead									
378	6.5	6.4	8.8	8.6	13.7	13.2	27.3	27.6	49.6	43.2

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
379	6.2	5.7	8.7	8.3	13.9	12.4	27.1	24.1	38.6	36.7
380	7.7	7.2	12.5	12.1	20.9	19.8	46.3	45.2	70.2	66.4
381	7.6	6.9	10.4	9.4	15.1	13.7	29.6	27.7	46.4	43.8
382	7.4	6.8	10.9	9.3	16.1	14.6	31.6	29.8	49.6	47.4
383	6.8	6.6	9.6	9.8	14.5	14.5	27.4	29.5	49.0	46.0
384	6.5	6.1	9.0	8.7	13.9	13.0	28.3	26.3	42.9	41.3
385	6.8	6.3	9.5	9.0	13.5	12.5	30.9	28.8	47.0	44.4
386	6.4	5.7	8.2	7.1	12.1	10.4	24.6	20.9	35.3	31.3
387	6.8	6.8	11.0	10.5	16.9	15.8	34.3	33.0	50.8	48.7
388	6.2	6.2	9.0	8.7	13.0	12.8	26.6	26.3	41.1	40.6
389	6.1	6.0	8.5	7.8	12.6	12.2	26.5	25.1	42.0	39.4
390	5.6	5.7	8.3	7.9	12.6	11.9	22.9	24.4	38.4	37.8
391	6.8	6.3	10.0	9.3	15.5	14.5	30.6	29.1	46.0	43.8
392	6.8	6.4	9.2	8.9	12.9	12.9	27.9	26.6	42.9	41.2

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
393	6.3	6.0	9.8	9.3	14.6	14.0	28.1	26.8	43.5	41.1
394	7.1	6.8	10.5	10.0	15.7	14.9	26.9	28.0	38.8	39.0
395	7.0	6.6	10.2	9.5	15.2	14.1	31.0	39.3	51.2	47.6
396	5.9	5.5	8.6	8.0	13.1	12.2	25.0	24.5	38.8	38.3
397	6.3	5.9	8.8	8.3	12.7	12.1	25.1	23.4	38.3	35.6
398	Not pregnant									
399	5.8	5.5	7.7	7.2	11.0	10.5	23.8	23.4	35.2	35.2
400	6.3	5.9	8.5	7.6	12.5	10.7	24.9	23.0	46.1	37.2
401	7.1	6.5	10.3	9.5	14.9	14.1	28.2	27.4	47.3	45.2
402	5.9	5.7	8.3	7.5	12.4	11.0	24.4	22.0	36.8	33.0
403	6.2	5.9	8.3	7.7	12.5	11.4	28.2	25.7	42.7	39.2
404	6.9	6.2	9.3	8.4	13.8	12.2	27.3	25.0	43.0	39.4
405	6.1	5.7	9.0	8.5	13.7	12.8	26.3	25.5	41.0	41.2
406	6.5	6.1	8.8	8.3	12.1	11.5	23.0	22.8	34.4	33.8

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**

(b) F_1 – F_2 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
407	5.8	5.7	7.9	7.3	12.3	11.4	25.1	24.1	36.6	35.2
408	6.3	6.0	8.6	8.1	12.5	11.8	23.8	22.6	36.2	34.1
409	6.6	5.9	9.3	8.3	14.0	12.6	26.7	23.7	40.5	36.9
410	Not pregnant									
411	7.4	7.3	11.1	10.9	15.6	15.6	29.8	29.3	49.6	49.0
412	6.6	6.4	9.7	9.7	14.2	13.8	29.4	28.5	45.5	44.7
413	6.7	6.3	9.0	8.6	14.0	13.3	28.7	28.0	45.1	42.3
414	6.3	6.1	8.1	8.1	12.4	11.7	24.2	22.9	37.4	34.8
415	6.7	6.3	9.0	8.3	13.6	12.6	26.9	26.0	41.9	41.5
416	6.5	6.7	8.4	8.8	12.1	12.6	24.5	24.0	38.3	37.9
417	6.3	5.9	8.4	8.1	12.0	11.7	24.8	23.1	39.5	36.4
418	6.6	6.2	9.4	8.7	14.9	13.2	29.2	26.9	44.5	42.3
419	6.3	6.0	8.5	7.4	13.4	11.6	26.7	24.3	43.9	40.4
420	6.6	6.4	9.3	9.3	14.6	13.5	27.2	25.9	42.3	40.7

Appendix 18 (continued) **Individual Mean Bodyweight (g) During Lactation – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
421	6.3	6.3	9.2	9.4	13.7	12.9	25.6	20.4	41.8	37.4
422	6.3	6.2	9.1	9.0	13.4	12.9	25.2	24.8	41.1	39.5
423	5.3	4.8	6.0	4.2	9.5	5.7	25.4	16.2	42.2	29.3
424	6.3	6.6	8.8	9.8	14.3	14.8	31.1	27.7	45.0	44.1
425	6.3	6.0	8.9	8.9	13.3	13.0	26.8	25.8	46.4	41.1
426	7.4	7.5	9.9	10.5	13.9	15.1	30.8	30.6	50.5	50.9
427	6.3	6.0	8.6	8.3	13.0	12.7	26.1	25.6	40.4	39.1
428	7.5	6.6	10.5	9.5	16.0	14.6	31.2	29.6	49.7	46.5
429	7.1	6.6	10.3	9.8	15.3	14.6	28.4	27.5	46.0	45.9
430	7.8	7.3	10.7	10.2	15.8	15.4	31.1	31.0	51.0	49.0
431	7.0	6.3	9.6	8.9	14.4	13.6	29.1	27.4	44.0	42.0
432	6.4	6.2	9.4	9.4	13.4	13.4	26.2	26.1	39.8	39.0
433	6.3	6.0	8.9	8.8	13.4	13.0	28.1	27.7	46.4	44.6
434	6.5	5.8	9.1	8.2	13.6	12.2	26.7	25.3	41.1	39.4

Appendix 18 (continued) Individual Mean Bodyweight (g) During Lactation – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Day *post partum*									
	1		4		7		14		21	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
435	6.4	6.2	9.0	8.7	12.9	11.9	26.8	24.1	Found dead	
436	6.0	5.7	8.3	8.0	11.3	10.8	21.7	20.5	31.6	30.9
437	6.3	5.8	9.2	8.4	14.2	12.7	27.5	25.2	40.7	39.2
438	6.3	6.5	8.4	8.7	12.9	13.0	25.5	25.3	38.3	39.0
439	Not pregnant									
440	Not pregnant									
441	Killed *in extremis*									
442	7.5	7.0	10.5	9.7	15.5	14.3	31.3	28.4	51.1	47.9
443	7.1	6.7	10.4	9.9	14.9	14.5	27.1	28.1	45.2	45.7
444	6.5	6.2	9.5	9.0	13.3	12.9	28.8	28.4	44.6	42.7
445	8.3	7.6	11.6	10.8	15.9	14.9	29.5	28.9	48.9	49.0
446	7.5	7.2	10.4	9.8	15.0	14.0	28.3	27.1	48.0	45.2
447	7.7	6.8	10.9	9.8	15.4	13.9	29.5	27.0	47.5	44.1
448	7.2	7.7	10.8	10.7	15.7	15.9	29.1	29.3	44.4	45.9

Appendix 19 Individual Litter Age of Onset and Completion of Landmarks of Offspring Development (a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
113	2.5	3.5	10.5	16.5	16.5	17.5
114	3.5	4.5	11.5	13.5	16.5	17.5
115	Total litter loss					
116	2.5	3.5	9.5	15.5	15.5	17.5
117	3.5	5.5	12.5	15.5	15.5	18.5
118	Not pregnant					
119	2.5	3.5	10.5	12.5	15.5	17.5
120	2.5	3.5	8.5	13.5	15.5	17.5
121	3.5	6.5	11.5	12.5	16.5	19.5
122	Killed *in extremis*					
123	2.0	3.0	9.0	11.0	15.0	16.0
124	2.5	2.5	8.5	12.5	15.5	15.5
125	3.5	6.5	10.5	13.5	16.5	18.5
126	2.5	3.5	10.5	15.5	14.5	16.5

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
127	2.5	2.5	9.5	12.5	14.5	16.5
128	4.0	4.0	9.0	13.0	16.0	17.0
129	3.5	4.5	10.5	14.5	16.5	19.5
130	2.5	3.5	9.5	12.5	15.5	16.5
131	2.5	3.5	10.5	16.5	15.5	17.5
132	3.0	4.0	12.0	13.0	16.0	17.0
133	2.5	3.5	10.5	13.5	13.5	19.5
134	2.5	3.5	11.5	15.5	15.5	16.5
135	2.0	3.0	9.0	11.0	14.0	18.0
136	2.5	3.5	9.5	13.5	15.5	17.5
137	2.0	4.0	9.0	14.0	16.0	17.0
138	3.5	4.5	9.5	12.5	16.5	17.5
139	3.0	4.0	9.0	12.0	14.0	17.0
140	2.5	3.5	8.5	12.5	15.5	16.5

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**
(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
141	2.0	3.0	9.0	11.0	14.0	17.0
142	2.0	3.0	9.0	14.0	16.0	18.0
143	2.5	3.5	9.5	11.5	14.5	17.5
144	3.5	4.5	10.5	13.5	15.5	17.5
145	3.5	3.5	8.5	12.5	14.5	17.5
146	2.0	4.0	9.0	13.0	15.0	19.0
147	3.0	4.0	9.0	14.0	15.0	19.0
148	1.5	3.5	9.5	11.5	13.5	18.5
149	2.5	2.5	10.5	14.5	15.5	16.5
150	3.5	3.5	8.5	14.5	14.5	18.5
151	2.0	3.0	11.0	16.0	16.0	17.0
152	2.5	3.5	10.5	15.5	15.5	16.5
153	Total litter loss					
154	3.5	3.5	10.5	12.5	14.5	18.5

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development

(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
155	2.0	3.0	10.0	14.0	15.0	18.0
156	2.5	2.5	8.5	14.5	14.5	17.5
157	Not pregnant					
158	2.5	3.5	9.5	12.5	14.5	16.5
159	3.5	4.5	9.5	15.5	16.5	17.5
160	3.5	4.5	9.5	15.5	14.5	18.5
161	2.5	3.5	9.5	11.5	15.5	17.5
162	4.0	4.0	11.0	17.0	15.0	17.0
163	2.5	4.5	8.5	11.5	14.5	17.5
164	2.5	3.5	8.5	15.5	14.5	17.5
165	3.0	4.0	9.0	14.0	14.0	18.0
166	4.0	5.0	10.0	12.0	16.0	20.0
167	Not pregnant					
168	4.0	4.0	9.0	11.0	15.0	18.0

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**
(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
169	2.0	3.0	9.0	15.0	14.0	17.0
170	3.0	4.0	12.0	14.0	15.0	20.0
171	2.5	4.5	11.5	14.5	16.5	17.5
172	3.5	3.5	9.5	10.5	15.5	16.5
173	2.5	3.5	9.5	14.5	16.5	17.5
174	2.5	3.5	8.5	13.5	14.5	17.5
175	4.0	5.0	11.0	14.0	15.0	17.0
176	3.0	5.0	11.0	13.0	15.0	17.0
177	2.5	3.5	10.5	12.5	14.5	16.5
178	3.0	4.0	10.0	16.0	16.0	18.0
179	2.5	3.5	8.5	10.5	15.5	16.5
180	2.5	3.5	8.5	15.5	16.5	17.5
181	Total litter loss					
182	3.5	3.5	8.5	10.5	16.5	16.5

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**

(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
183	4.0	4.0	9.0	17.0	15.0	17.0
184	2.5	3.5	9.5	10.5	16.5	17.5
185	3.0	4.0	10.0	15.0	15.0	17.0
186	2.5	3.5	9.5	12.5	15.5	17.5
187	Not pregnant					
188	2.5	3.5	9.5	12.5	15.5	18.5
189	3.0	5.0	10.0	13.0	15.0	18.0
190	2.0	2.0	9.0	12.0	14.0	17.0
191	2.5	3.5	9.5	14.5	16.5	17.5
192	2.5	3.5	8.5	13.5	16.5	17.5
193	2.5	3.5	11.5	15.5	14.5	16.5
194	Not pregnant					
195	4.0	5.0	12.0	16.0	15.0	17.0
196	3.0	5.0	10.0	17.0	15.0	17.0

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**
(a) $F_0 - F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
197	3.0	4.0	9.0	14.0	16.0	19.0
198	2.0	3.0	9.0	12.0	14.0	17.0
199	2.5	4.5	9.5	14.5	14.5	16.5
200	4.0	5.0	11.0	12.0	15.0	17.0
201	4.0	6.0	10.0	14.0	16.0	19.0
202	3.5	4.5	10.5	13.5	16.5	18.5
203	3.5	4.5	10.5	13.5	16.5	16.5
204	3.5	4.5	8.5	13.5	14.5	16.5
205	2.5	3.5	10.5	15.5	16.5	18.5
206	1.5	2.5	8.5	11.5	14.5	17.5
207	2.5	3.5	11.5	14.5	16.5	18.5
208	3.5	4.5	10.5	12.5	14.5	16.5
209	4.0	5.0	10.0	13.0	15.0	17.0
210	3.5	4.5	9.5	13.5	14.5	16.5

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**

(a) $F_0 - F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
211	3.5	6.5	9.5	16.5	16.5	19.5
212	2.5	4.5	8.5	12.5	14.5	16.5
213	3.5	4.5	10.5	16.5	16.5	18.5
214	2.5	3.5	10.5	13.5	16.5	18.5
215	2.5	3.5	9.5	13.5	16.5	18.5
216	2.5	3.5	8.5	14.5	14.5	16.5
217	3.5	4.5	11.5	14.5	15.5	17.5
218	3.0	5.0	10.0	14.0	16.0	18.0
219	3.0	4.0	10.0	16.0	14.0	19.0
220	2.5	3.5	8.5	16.5	16.5	17.5
221	2.0	3.0	8.0	11.0	15.0	16.0
222	2.5	3.5	9.5	15.5	15.5	18.5
223	2.5	3.5	9.5	13.5	15.5	17.5
224	2.0	5.0	9.0	11.0	14.0	17.0

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development

(b) $F_1 - F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
337	Not pregnant					
338	2.5	3.5	8.5	13.5	15.5	18.5
339	2.5	3.5	9.5	12.5	15.5	18.5
340	2.5	3.5	10.5	11.5	15.5	18.5
341	3.0	3.0	9.0	14.0	17.0	20.0
342	2.5	3.5	8.5	13.5	15.5	18.5
343	2.5	3.5	9.5	13.5	16.5	18.5
344	3.0	4.0	10.0	15.0	18.0	20.0
345	3.0	4.0	11.0	14.0	16.0	20.0
346	2.0	3.0	9.0	13.0	15.0	18.0
347	4.0	5.0	9.0	14.0	17.0	20.0
348	Found dead					
349	2.5	3.5	9.5	12.5	16.5	18.5
350	3.0	4.0	12.0	14.0	18.0	18.0

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development (b) $F_1 - F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
351	2.5	3.5	8.5	14.5	16.5	19.5
352	2.5	2.5	8.5	11.5	15.5	18.5
353	2.5	3.5	10.5	14.5	16.5	18.5
354	3.0	3.0	11.0	16.0	16.0	19.0
355	2.5	3.5	12.5	15.5	16.5	18.5
356	2.5	3.5	9.5	14.5	16.5	18.5
357	3.0	4.0	9.0	13.0	15.0	18.0
358	2.0	3.0	9.0	10.0	14.0	19.0
359	2.5	3.5	9.5	11.5	15.5	18.5
360	3.5	4.5	9.5	12.5	16.5	19.5
361	2.5	3.5	10.5	11.5	15.5	18.5
362	3.5	3.5	8.5	14.5	15.5	18.5
363	2.5	3.5	10.5	13.5	17.5	18.5
364	2.0	4.0	10.0	11.0	16.0	19.0

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**
(b) $F_1 - F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
365	2.5	3.5	9.5	12.5	15.5	18.5
366	Found dead					
367	2.5	3.5	8.5	10.5	16.5	18.5
368	3.0	3.0	9.0	12.0	16.0	19.0
369	2.5	3.5	9.5	16.5	15.5	19.5
370	2.5	3.5	10.5	13.5	17.5	19.5
371	3.0	3.0	9.0	13.0	16.0	19.0
372	2.5	3.5	9.5	14.5	16.5	19.5
373	3.5	4.5	10.5	13.5	16.5	18.5
374	2.5	3.5	10.5	15.5	16.5	18.5
375	3.0	4.0	9.0	12.0	16.0	20.0
376	3.0	4.0	10.0	15.0	17.0	19.0
377	Found dead					
378	2.5	3.5	9.5	11.5	14.5	18.5

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development

(b) $F_1 - F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
379	2.5	3.5	8.5	14.5	15.5	19.5
380	3.0	3.0	9.0	9.0	15.0	16.0
381	3.0	4.0	9.0	12.0	17.0	19.0
382	2.5	3.5	9.5	14.5	14.5	17.5
383	2.5	3.5	11.5	14.5	14.5	18.5
384	2.5	3.5	11.5	13.5	16.5	17.5
385	2.5	3.5	10.5	12.5	16.5	19.5
386	3.5	4.5	9.5	12.5	15.5	19.5
387	2.5	3.5	9.5	12.5	14.5	18.5
388	2.5	3.5	11.5	13.5	15.5	18.5
389	3.0	4.0	10.0	15.0	16.0	19.0
390	2.5	3.5	10.5	13.5	15.5	18.5
391	3.0	4.0	9.0	12.0	16.0	19.0
392	2.5	3.5	9.5	15.5	15.5	17.5

Appendix 19 (continued) **Individual Litter Age of Onset and Completion of Landmarks of Offspring Development**
(b) $F_1 - F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
393	3.0	4.0	11.0	13.0	16.0	17.0
394	4.0	5.0	10.0	15.0	15.0	20.0
395	3.0	4.0	9.0	13.0	16.0	19.0
396	2.5	3.5	11.5	14.5	17.5	19.5
397	2.5	3.5	8.5	11.5	17.5	19.5
398	Not pregnant					
399	2.5	3.5	9.5	12.5	15.5	19.5
400	2.5	3.5	7.5	12.5	16.5	18.5
401	2.5	3.5	10.5	12.5	15.5	17.5
402	4.0	5.0	10.0	16.0	16.0	20.0
403	3.5	4.5	11.5	13.5	16.5	19.5
404	2.5	3.5	8.5	11.5	15.5	18.5
405	2.5	3.5	8.5	14.5	15.5	16.5
406	2.5	3.5	9.5	13.5	15.5	18.5

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development (b) $F_1 - F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
407	3.5	3.5	10.5	12.5	16.5	18.5
408	2.5	3.5	9.5	14.5	15.5	19.5
409	2.5	3.5	10.5	13.5	15.5	17.5
410	Not pregnant					
411	3.0	3.0	9.0	12.0	14.0	17.0
412	3.0	4.0	11.0	13.0	17.0	19.0
413	2.5	3.5	9.5	12.5	16.5	18.5
414	2.5	3.5	9.5	14.5	16.5	19.5
415	2.5	3.5	13.5	13.5	16.5	19.5
416	3.0	4.0	10.0	14.0	15.0	18.0
417	2.5	3.5	10.5	15.5	16.5	18.5
418	3.5	3.5	9.5	15.5	14.5	18.5
419	3.5	4.5	8.5	13.5	16.5	18.5
420	2.5	3.5	9.5	12.5	14.5	19.5

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development (b) $F_1 - F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
421	3.0	4.0	9.0	13.0	14.0	19.0
422	4.0	4.0	11.0	13.0	15.0	18.0
423	2.5	3.5	12.5	14.5	16.5	19.5
424	4.0	4.0	10.0	12.0	15.0	19.0
425	2.5	3.5	8.5	13.5	16.5	18.5
426	3.0	3.0	9.0	11.0	16.0	18.0
427	2.5	3.5	11.5	12.5	14.5	18.5
428	3.5	4.5	9.5	11.5	16.5	18.5
429	3.0	4.0	10.0	15.0	16.0	20.0
430	2.5	2.5	9.5	12.5	15.5	18.5
431	3.5	4.5	11.5	12.5	16.5	18.5
432	2.5	3.5	11.5	14.5	16.5	18.5
433	3.5	3.5	9.5	10.5	17.5	18.5
434	3.0	4.0	10.0	15.0	17.0	18.0

Appendix 19 (continued) Individual Litter Age of Onset and Completion of Landmarks of Offspring Development

(b) $F_1 - F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day *post partum*					
	Pinna Unfolding		Tooth Eruption		Eye Opening	
	Onset	Completion	Onset	Completion	Onset	Completion
435	3.0	4.0	11.0	Found dead		
436	2.5	3.5	8.5	13.5	16.5	18.5
437	2.5	3.5	10.5	14.5	16.5	18.5
438	2.5	3.5	9.5	13.5	16.5	18.5
439	Not pregnant					
440	Not pregnant					
441	Killed *in extremis*					
442	3.5	3.5	7.5	9.5	15.5	19.5
443	2.5	3.5	9.5	12.5	15.5	18.5
444	2.5	3.5	9.5	13.5	16.5	18.5
445	2.0	3.0	9.0	13.0	16.0	19.0
446	2.0	3.0	10.0	11.0	15.0	18.0
447	2.5	2.5	8.5	11.5	15.5	18.5
448	3.0	4.0	12.0	15.0	15.0	19.0

Appendix 20 Individual Litter Summary of Reflexological Responses – Offspring

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
113	15	14	93.3	14	14	100.0	14	14	100.0	14	14	100.0
114	15	13	86.7	14	14	100.0	14	14	100.0	14	14	100.0
115	15	11	73.3	Total litter loss								
116	17	17	100.0	15	15	100.0	15	15	100.0	15	15	100.0
117	16	13	81.3	14	14	100.0	14	14	100.0	14	14	100.0
118	Not pregnant											
119	13	8	61.5	13	13	100.0	13	13	100.0	13	13	100.0
120	15	14	93.3	14	14	100.0	14	14	100.0	14	14	100.0
121	18	16	88.9	6	6	100.0	6	6	100.0	6	6	100.0
122	Killed *in extremis*											
123	8	6	75.0	8	8	100.0	8	8	100.0	8	8	100.0
124	11	7	63.6	11	10	90.9	11	11	100.0	11	11	100.0
125	18	14	77.8	14	14	100.0	14	14	100.0	14	14	100.0
126	15	8	53.3	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring
(a) $F_0 – F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
127	11	6	54.5	11	11	100.0	11	11	100.0	11	11	100.0
128	12	9	75.0	11	11	100.0	11	11	100.0	11	11	100.0
129	14	10	71.4	14	14	100.0	14	14	100.0	14	14	100.0
130	8	5	62.5	8	8	100.0	8	8	100.0	8	8	100.0
131	13	12	92.3	13	13	100.0	13	13	100.0	13	13	100.0
132	13	10	76.9	13	13	100.0	13	13	100.0	13	13	100.0
133	16	15	93.8	15	15	100.0	15	15	100.0	15	15	100.0
134	13	12	92.3	13	13	100.0	13	13	100.0	13	13	100.0
135	9	9	100.0	9	9	100.0	9	9	100.0	9	9	100.0
136	18	18	100.0	16	16	100.0	16	16	100.0	16	16	100.0
137	17	17	100.0	14	14	100.0	14	14	100.0	14	14	100.0
138	19	19	100.0	2	2	100.0	2	2	100.0	2	2	100.0
139	15	15	100.0	7	7	100.0	7	7	100.0	7	7	100.0
140	15	8	53.3	15	15	100.0	15	15	100.0	15	15	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring

(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
141	14	12	85.7	13	13	100.0	13	13	100.0	13	13	100.0
142	14	13	92.9	13	13	100.0	13	13	100.0	13	13	100.0
143	16	5	31.3	16	16	100.0	16	16	100.0	16	16	100.0
144	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
145	16	14	87.5	14	14	100.0	14	14	100.0	14	14	100.0
146	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
147	16	15	93.8	16	16	100.0	16	16	100.0	16	16	100.0
148	8	8	100.0	8	8	100.0	8	8	100.0	8	8	100.0
149	14	12	85.7	13	13	100.0	13	13	100.0	13	13	100.0
150	16	11	68.8	16	16	100.0	16	16	100.0	16	16	100.0
151	16	16	100.0	16	16	100.0	16	16	100.0	16	16	100.0
152	16	16	100.0	15	15	100.0	15	15	100.0	15	15	100.0
153	9	2	22.2	Total litter loss								
154	14	7	50.0	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring
(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
155	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
156	14	12	85.7	14	14	100.0	14	14	100.0	14	14	100.0
157	Not pregnant											
158	15	15	100.0	15	15	100.0	15	15	100.0	15	15	100.0
159	15	12	80.0	13	13	100.0	13	13	100.0	13	13	100.0
160	19	13	68.4	16	16	100.0	16	16	100.0	16	16	100.0
161	15	13	86.7	13	13	100.0	13	13	100.0	13	13	100.0
162	13	10	76.9	13	13	100.0	13	13	100.0	13	13	100.0
163	15	14	93.3	15	15	100.0	15	15	100.0	15	15	100.0
164	16	10	62.5	15	15	100.0	15	15	100.0	15	15	100.0
165	16	12	75.0	16	16	100.0	16	16	100.0	16	16	100.0
166	16	15	93.8	15	15	100.0	15	15	100.0	15	15	100.0
167	Not pregnant											
168	19	19	100.0	16	16	100.0	16	16	100.0	16	16	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring
(a) $F_0 – F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
169	16	15	93.8	16	16	100.0	16	16	100.0	16	16	100.0
170	15	12	80.0	15	15	100.0	15	15	100.0	15	15	100.0
171	16	8	50.0	12	12	100.0	12	12	100.0	12	12	100.0
172	15	12	80.0	15	15	100.0	15	15	100.0	15	15	100.0
173	15	11	73.3	9	9	100.0	9	9	100.0	9	9	100.0
174	16	14	87.5	16	16	100.0	16	16	100.0	16	16	100.0
175	16	13	81.3	16	16	100.0	16	16	100.0	16	16	100.0
176	11	8	72.7	11	11	100.0	11	11	100.0	11	11	100.0
177	10	7	70.0	10	10	100.0	10	10	100.0	10	10	100.0
178	13	13	100.0	12	12	100.0	12	12	100.0	12	12	100.0
179	12	9	75.0	9	9	100.0	9	9	100.0	9	9	100.0
180	15	12	80.0	14	14	100.0	14	14	100.0	14	14	100.0
181	Total litter loss											
182	15	10	66.7	2	2	100.0	2	2	100.0	2	2	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
183	16	13	81.3	14	14	100.0	14	14	100.0	14	14	100.0
184	14	14	100.0	13	13	100.0	13	13	100.0	13	13	100.0
185	13	13	100.0	13	13	100.0	13	13	100.0	13	13	100.0
186	15	14	93.3	14	13	92.9	14	14	100.0	14	14	100.0
187	Not pregnant											
188	13	11	84.6	13	13	100.0	13	13	100.0	13	13	100.0
189	12	8	66.7	12	12	100.0	12	12	100.0	12	12	100.0
190	6	4	66.7	6	6	100.0	6	6	100.0	6	6	100.0
191	17	17	100.0	17	17	100.0	17	17	100.0	17	17	100.0
192	14	12	85.7	14	14	100.0	14	14	100.0	14	14	100.0
193	15	12	80.0	12	11	91.7	12	12	100.0	12	12	100.0
194	Not pregnant											
195	14	14	100.0	13	13	100.0	13	13	100.0	13	13	100.0
196	15	6	40.0	12	12	100.0	12	12	100.0	12	12	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
197	14	2	14.3	10	10	100.0	10	10	100.0	10	10	100.0
198	7	7	100.0	7	7	100.0	7	7	100.0	7	7	100.0
199	14	12	85.7	13	13	100.0	13	13	100.0	13	13	100.0
200	11	10	90.9	10	10	100.0	10	10	100.0	10	10	100.0
201	11	7	63.6	5	5	100.0	5	5	100.0	5	5	100.0
202	13	13	100.0	12	12	100.0	12	12	100.0	12	12	100.0
203	17	11	64.7	3	3	100.0	3	3	100.0	3	3	100.0
204	12	11	91.7	12	12	100.0	12	12	100.0	12	12	100.0
205	17	16	94.1	15	15	100.0	15	15	100.0	15	15	100.0
206	17	16	94.1	15	15	100.0	15	15	100.0	15	15	100.0
207	10	6	60.0	10	10	100.0	10	10	100.0	10	10	100.0
208	16	15	93.8	16	16	100.0	16	16	100.0	16	16	100.0
209	13	13	100.0	13	13	100.0	13	13	100.0	13	13	100.0
210	14	6	42.9	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring

(a) $F_0 – F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
211	13	10	76.9	13	13	100.0	13	13	100.0	13	13	100.0
212	16	14	87.5	6	6	100.0	6	6	100.0	6	6	100.0
213	13	9	69.2	12	12	100.0	12	12	100.0	12	12	100.0
214	11	11	100.0	10	10	100.0	10	10	100.0	10	10	100.0
215	10	10	100.0	10	10	100.0	10	10	100.0	10	10	100.0
216	16	16	100.0	16	16	100.0	16	16	100.0	16	16	100.0
217	12	11	91.7	12	12	100.0	12	12	100.0	12	12	100.0
218	15	15	100.0	15	15	100.0	15	15	100.0	15	15	100.0
219	13	10	76.9	13	13	100.0	13	13	100.0	13	13	100.0
220	12	11	91.7	11	11	100.0	11	11	100.0	11	11	100.0
221	5	5	100.0	5	5	100.0	5	5	100.0	5	5	100.0
222	15	11	73.3	7	7	100.0	7	7	100.0	7	7	100.0
223	15	15	100.0	14	14	100.0	14	14	100.0	14	14	100.0
224	8	7	87.5	8	8	100.0	8	8	100.0	8	8	100.0

Appendix 20 (continued) **Individual Litter Summary of Reflexological Responses – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
337	Not pregnant											
338	18	17	94.4	16	16	100.0	16	16	100.0	16	16	100.0
339	17	16	94.1	17	15	88.2	17	17	100.0	17	17	100.0
340	17	17	100.0	17	17	100.0	17	17	100.0	17	17	100.0
341	16	16	100.0	15	15	100.0	15	15	100.0	15	15	100.0
342	15	14	93.3	14	14	100.0	14	14	100.0	14	14	100.0
343	18	16	88.9	17	17	100.0	17	17	100.0	17	17	100.0
344	15	15	100.0	15	15	100.0	15	15	100.0	15	15	100.0
345	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
346	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
347	16	11	68.8	11	10	90.9	11	11	100.0	11	11	100.0
348	Found dead											
349	8	6	75.0	8	8	100.0	8	8	100.0	8	8	100.0
350	13	10	76.9	11	11	100.0	11	11	100.0	11	11	100.0

Appendix 20 (continued) **Individual Litter Summary of Reflexological Responses – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
351	16	15	93.8	16	16	100.0	16	16	100.0	16	16	100.0
352	13	13	100.0	13	13	100.0	13	13	100.0	13	13	100.0
353	15	12	80.0	15	15	100.0	15	15	100.0	15	15	100.0
354	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
355	14	10	71.4	14	14	100.0	14	14	100.0	14	14	100.0
356	16	15	93.8	16	16	100.0	16	16	100.0	16	16	100.0
357	14	9	64.3	14	14	100.0	14	14	100.0	14	14	100.0
358	12	12	100.0	12	12	100.0	12	12	100.0	12	12	100.0
359	16	16	100.0	15	15	100.0	15	15	100.0	15	15	100.0
360	11	8	72.7	10	10	100.0	10	10	100.0	10	10	100.0
361	13	13	100.0	13	13	100.0	13	13	100.0	13	13	100.0
362	13	7	53.8	12	12	100.0	12	12	100.0	12	12	100.0
363	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
364	12	10	83.3	12	12	100.0	12	12	100.0	12	12	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring
(b) $F_1 – F_2$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
365	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
366	Found dead											
367	16	16	100.0	13	13	100.0	13	13	100.0	13	13	100.0
368	17	16	94.1	17	17	100.0	17	17	100.0	17	17	100.0
369	17	12	70.6	17	16	94.1	17	17	100.0	17	17	100.0
370	16	16	100.0	16	16	100.0	16	16	100.0	16	16	100.0
371	16	16	100.0	15	15	100.0	15	15	100.0	15	15	100.0
372	17	14	82.4	17	17	100.0	17	17	100.0	17	17	100.0
373	16	16	100.0	15	14	93.3	15	15	100.0	15	15	100.0
374	17	8	47.1	17	17	100.0	17	17	100.0	17	17	100.0
375	15	13	86.7	14	14	100.0	14	14	100.0	14	14	100.0
376	17	17	100.0	16	16	100.0	16	16	100.0	16	16	100.0
377	Found dead											
378	14	14	100.0	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring (b) $F_1 – F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
379	18	16	88.9	18	18	100.0	18	18	100.0	18	18	100.0
380	5	5	100.0	5	5	100.0	5	5	100.0	5	5	100.0
381	13	11	84.6	13	13	100.0	13	13	100.0	13	13	100.0
382	13	12	92.3	13	13	100.0	13	13	100.0	13	13	100.0
383	14	11	78.6	13	13	100.0	13	13	100.0	13	13	100.0
384	14	3	21.4	13	13	100.0	13	13	100.0	13	13	100.0
385	12	10	83.3	12	12	100.0	12	12	100.0	12	12	100.0
386	17	14	82.4	17	17	100.0	17	17	100.0	17	17	100.0
387	17	12	70.6	16	16	100.0	16	16	100.0	16	16	100.0
388	14	13	92.9	14	14	100.0	14	14	100.0	14	14	100.0
389	17	13	76.5	16	16	100.0	16	16	100.0	16	16	100.0
390	15	15	100.0	14	14	100.0	14	14	100.0	14	14	100.0
391	14	14	100.0	14	14	100.0	14	14	100.0	14	14	100.0
392	15	14	93.3	15	15	100.0	15	15	100.0	15	15	100.0

Appendix 20 (continued) **Individual Litter Summary of Reflexological Responses – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
393	15	15	100.0	15	15	100.0	15	15	100.0	15	15	100.0
394	17	17	100.0	17	17	100.0	17	17	100.0	17	17	100.0
395	12	10	83.3	12	12	100.0	12	12	100.0	12	12	100.0
396	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
397	15	13	86.7	15	15	100.0	15	15	100.0	15	15	100.0
398	Not pregnant											
399	17	16	94.1	15	14	93.3	15	15	100.0	15	15	100.0
400	15	13	86.7	13	13	100.0	13	13	100.0	13	13	100.0
401	12	6	50.0	12	12	100.0	12	12	100.0	12	12	100.0
402	15	11	73.3	15	15	100.0	15	15	100.0	15	15	100.0
403	15	5	33.3	14	14	100.0	14	14	100.0	14	14	100.0
404	13	11	84.6	13	13	100.0	13	13	100.0	13	13	100.0
405	15	11	73.3	15	15	100.0	15	15	100.0	15	15	100.0
406	18	16	88.9	17	15	88.2	17	17	100.0	17	17	100.0

Appendix 20 (continued) **Individual Litter Summary of Reflexological Responses – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
407	16	14	87.5	16	16	100.0	16	16	100.0	16	16	100.0
408	18	17	94.4	17	17	100.0	17	17	100.0	17	17	100.0
409	14	12	85.7	14	13	92.9	14	14	100.0	14	14	100.0
410	Not pregnant											
411	13	10	76.9	13	13	100.0	13	13	100.0	13	13	100.0
412	14	14	100.0	14	14	100.0	14	14	100.0	14	14	100.0
413	13	12	92.3	12	12	100.0	12	12	100.0	12	12	100.0
414	18	15	83.3	18	18	100.0	18	18	100.0	18	18	100.0
415	15	13	86.7	15	15	100.0	15	15	100.0	15	15	100.0
416	15	15	100.0	15	15	100.0	15	15	100.0	15	15	100.0
417	13	9	69.2	13	13	100.0	13	13	100.0	13	13	100.0
418	15	15	100.0	14	14	100.0	14	14	100.0	14	14	100.0
419	15	13	86.7	13	13	100.0	13	13	100.0	13	13	100.0
420	15	12	80.0	15	15	100.0	15	15	100.0	15	15	100.0

Appendix 20 (continued) Individual Litter Summary of Reflexological Responses – Offspring (b) $F_1 – F_2$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
421	17	15	88.2	15	15	100.0	15	15	100.0	15	15	100.0
422	11	11	100.0	11	11	100.0	11	11	100.0	11	11	100.0
423	14	6	42.9	5	5	100.0	5	5	100.0	5	5	100.0
424	14	13	92.9	13	13	100.0	13	13	100.0	13	13	100.0
425	13	11	84.6	13	13	100.0	13	13	100.0	13	13	100.0
426	13	12	92.3	12	12	100.0	12	12	100.0	12	12	100.0
427	15	15	100.0	14	14	100.0	14	14	100.0	14	14	100.0
428	12	12	100.0	12	12	100.0	12	12	100.0	12	12	100.0
429	12	9	75.0	12	12	100.0	12	12	100.0	12	12	100.0
430	11	11	100.0	10	10	100.0	10	10	100.0	10	10	100.0
431	12	11	91.7	12	12	100.0	12	12	100.0	12	12	100.0
432	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
433	10	9	90.0	10	10	100.0	10	10	100.0	10	10	100.0
434	14	10	71.4	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 20 (continued) **Individual Litter Summary of Reflexological Responses – Offspring**
(b) $F_1 - F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Surface Righting Reflex			Mid-air Righting Reflex			Startle Reflex			Pupillary Reflex		
	Number			Number			Number			Number		
	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%	Examined	Passed	%
435	15	11	73.3	Found dead								
436	15	9	60.0	14	13	92.9	14	14	100.0	14	14	100.0
437	14	11	78.6	14	14	100.0	14	14	100.0	14	14	100.0
438	16	12	75.0	15	15	100.0	15	15	100.0	15	15	100.0
439	Not pregnant											
440	Not pregnant											
441	Killed *in extremis*											
442	9	5	55.6	9	9	100.0	9	9	100.0	9	9	100.0
443	11	6	54.5	11	11	100.0	11	11	100.0	11	11	100.0
444	13	7	53.8	13	13	100.0	13	13	100.0	13	13	100.0
445	14	10	71.4	13	13	100.0	13	13	100.0	13	13	100.0
446	15	10	66.7	15	15	100.0	15	15	100.0	15	15	100.0
447	11	11	100.0	11	11	100.0	11	11	100.0	11	11	100.0
448	14	14	100.0	14	14	100.0	14	14	100.0	14	14	100.0

Appendix 21 Individual Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
113	6	9	40.0	6	8	42.9
114	8	7	53.3	7	7	50.0
115	8	7	53.3	Total litter loss		
116	8	9	47.1	7	8	46.7
117	12	4	75.0	11	3	78.6
118	Not pregnant					
119	9	4	69.2	9	4	69.2
120	9	6	60.0	8	6	57.1
121	9	9	50.0	0	6	0.0
122	Killed *in extremis*					
123	2	6	25.0	2	6	25.0
124	5	6	45.5	5	6	45.5
125	10	8	55.6	8	6	57.1
126	8	7	53.3	7	7	50.0

Appendix 21 (continued) Individual Litter Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
127	8	3	72.7	8	3	72.7
128	7	5	58.3	6	5	54.5
129	6	8	42.9	6	8	42.9
130	6	2	75.0	6	2	75.0
131	5	8	38.5	5	8	38.5
132	6	7	46.2	6	7	46.2
133	7	9	43.8	6	9	40.0
134	10	3	76.9	10	3	76.9
135	5	4	55.6	5	4	55.6
136	13	5	72.2	11	5	68.8
137	8	9	47.1	6	8	42.9
138	8	11	42.1	1	1	50.0
139	5	10	33.3	3	4	42.9
140	6	9	40.0	6	9	40.0

Appendix 21 (continued) Individual Litter Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
141	9	5	64.3	9	4	69.2
142	-	-	-	-	-	-
143	9	7	56.3	9	7	56.3
144	4	10	28.6	4	10	28.6
145	8	8	50.0	7	7	50.0
146	9	5	64.3	9	5	64.3
147	7	9	43.8	7	9	43.8
148	2	6	25.0	2	6	25.0
149	9	5	64.3	9	4	69.2
150	7	9	43.8	7	9	43.8
151	4	12	25.0	4	12	25.0
152	9	7	56.3	9	6	60.0
153	5	4	55.6	Total litter loss		
154	8	6	57.1	8	6	57.1

- = offspring mis-sexed at Day 1 *post partum* – values excluded

Appendix 21 (continued) **Individual Litter Sex Ratios**

(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
155	5	9	35.7	5	9	35.7
156	7	7	50.0	7	7	50.0
157	Not pregnant					
158	10	5	66.7	10	5	66.7
159	5	10	33.3	4	9	30.8
160	12	7	63.2	9	7	56.3
161	9	6	60.0	8	5	61.5
162	8	5	61.5	8	5	61.5
163	6	9	40.0	6	9	40.0
164	7	9	43.8	6	9	40.0
165	8	8	50.0	8	8	50.0
166	8	8	50.0	8	7	53.3
167	Not pregnant					
168	8	11	42.1	8	8	50.0

Appendix 21 (continued) Individual Litter Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
169	7	9	43.8	7	9	43.8
170	10	5	66.7	10	5	66.7
171	11	5	68.8	10	2	83.3
172	8	7	53.3	8	7	53.3
173	6	9	40.0	4	5	44.4
174	6	10	37.5	6	10	37.5
175	11	5	68.8	11	5	68.8
176	8	3	72.7	8	3	72.7
177	3	7	30.0	3	7	30.0
178	8	5	61.5	7	5	58.3
179	8	4	66.7	7	2	77.8
180	8	7	53.3	8	6	57.1
181	Total litter loss					
182	8	7	53.3	2	0	100.0

Appendix 21 (continued) Individual Litter Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
183	11	5	68.8	10	4	71.4
184	7	7	50.0	6	7	46.2
185	7	6	53.8	7	6	53.8
186	8	7	53.3	7	7	50.0
187	Not pregnant					
188	6	7	46.2	6	7	46.2
189	5	7	41.7	5	7	41.7
190	5	1	83.3	5	1	83.3
191	11	6	64.7	11	6	64.7
192	8	6	57.1	8	6	57.1
193	7	8	46.7	5	7	41.7
194	Not pregnant					
195	5	9	35.7	5	8	38.5
196	6	9	40.0	4	8	33.3

Appendix 21 (continued) Individual Litter Sex Ratios

(a) $F_0 - F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
197	6	8	42.9	4	6	40.0
198	3	4	42.9	3	4	42.9
199	6	8	42.9	5	8	38.5
200	4	7	36.4	3	7	30.0
201	3	8	27.3	2	3	40.0
202	7	6	53.8	6	6	50.0
203	9	8	52.9	1	2	33.3
204	6	6	50.0	6	6	50.0
205	7	10	41.2	5	10	33.3
206	8	9	47.1	7	8	46.7
207	6	4	60.0	6	4	60.0
208	7	9	43.8	7	9	43.8
209	4	9	30.8	4	9	30.8
210	9	5	64.3	9	5	64.3

Appendix 21 (continued) **Individual Litter Sex Ratios**

(a) $F_0 - F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
211	7	6	53.8	7	6	53.8
212	13	3	81.3	6	0	100.0
213	5	8	38.5	5	7	41.7
214	4	7	36.4	3	7	30.0
215	5	5	50.0	5	5	50.0
216	6	10	37.5	6	10	37.5
217	7	5	58.3	7	5	58.3
218	11	4	73.3	11	4	73.3
219	8	5	61.5	8	5	61.5
220	6	6	50.0	5	6	45.5
221	3	2	60.0	3	2	60.0
222	7	8	46.7	4	3	57.1
223	10	5	66.7	10	4	71.4
224	3	5	37.5	3	5	37.5

Appendix 21 (continued) Individual Litter Sex Ratios

(b) $F_1 - F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
337	Not pregnant					
338	7	11	38.9	6	10	37.5
339	5	12	29.4	5	12	29.4
340	10	7	58.8	10	7	58.8
341	7	9	43.8	6	9	40.0
342	8	7	53.3	8	6	57.1
343	8	10	44.4	7	10	41.2
344	8	7	53.3	8	7	53.3
345	6	8	42.9	6	8	42.9
346	4	10	28.6	4	10	28.6
347	10	6	62.5	7	4	63.6
348	Found dead					
349	-	-	-	-	-	-
350	7	6	53.8	6	5	54.5

- = offspring mis-sexed at Day 1 *post partum* – values excluded

Appendix 21 (continued) Individual Litter Sex Ratios
(b) $F_1 - F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
351	10	6	62.5	10	6	62.5
352	8	5	61.5	8	5	61.5
353	4	11	26.7	4	11	26.7
354	9	5	64.3	9	5	64.3
355	10	4	71.4	10	4	71.4
356	7	9	43.8	7	9	43.8
357	4	10	28.6	4	10	28.6
358	9	3	75.0	9	3	75.0
359	6	10	37.5	6	9	40.0
360	6	5	54.5	5	5	50.0
361	8	5	61.5	8	5	61.5
362	9	4	69.2	8	4	66.7
363	-	-	-	-	-	-
364	7	5	58.3	7	5	58.3

- = Offspring wrongly sexed at day 1 *post partum* – values excluded

Appendix 21 (continued) Individual Litter Sex Ratios

(b) $F_1 - F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
365	8	6	57.1	8	6	57.1
366	Found dead					
367	9	7	56.3	7	6	53.8
368	9	8	52.9	9	8	52.9
369	8	9	47.1	8	9	47.1
370	8	8	50.0	8	8	50.0
371	6	10	37.5	6	9	40.0
372	10	7	58.8	10	7	58.8
373	5	11	31.3	4	11	26.7
374	11	6	64.7	11	6	64.7
375	9	6	60.0	9	5	64.3
376	10	7	58.8	10	6	62.5
377	Found dead					
378	8	6	57.1	8	6	57.1

Appendix 21 (continued) Individual Litter Sex Ratios
(b) $F_1 - F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
379	9	9	50.0	9	9	50.0
380	3	2	60.0	3	2	60.0
381	9	4	69.2	9	4	69.2
382	7	6	53.8	7	6	53.8
383	9	5	64.3	8	5	61.5
384	5	9	35.7	5	8	38.5
385	6	6	50.0	6	6	50.0
386	11	6	64.7	11	6	64.7
387	7	10	41.2	6	10	37.5
388	6	8	42.9	6	8	42.9
389	3	14	17.6	3	13	18.8
390	11	4	73.3	10	4	71.4
391	7	7	50.0	7	7	50.0
392	7	8	46.7	7	8	46.7

Appendix 21 (continued) Individual Litter Sex Ratios
(b) $F_1 - F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
393	7	8	46.7	7	8	46.7
394	10	7	58.8	10	7	58.8
395	9	3	75.0	9	3	75.0
396	10	4	71.4	10	4	71.4
397	9	6	60.0	9	6	60.0
398	Not pregnant					
399	5	12	29.4	5	10	33.3
400	8	7	53.3	7	6	53.8
401	5	7	41.7	5	7	41.7
402	7	8	46.7	7	8	46.7
403	10	5	66.7	9	5	64.3
404	6	7	46.2	6	7	46.2
405	5	10	33.3	5	10	33.3
406	11	7	61.1	11	6	64.7

Appendix 21 (continued) **Individual Litter Sex Ratios**

(b) $F_1 - F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
407	9	7	56.3	9	7	56.3
408	6	12	33.3	6	11	35.3
409	5	9	35.7	5	9	35.7
410	Not pregnant					
411	5	8	38.5	5	8	38.5
412	9	5	64.3	9	5	64.3
413	6	7	46.2	5	7	41.7
414	10	8	55.6	10	8	55.6
415	8	7	53.3	8	7	53.3
416	5	10	33.3	5	10	33.3
417	7	6	53.8	7	6	53.8
418	4	11	26.7	4	10	28.6
419	9	6	60.0	8	5	61.5
420	5	10	33.3	5	10	33.3

Appendix 21 (continued) **Individual Litter Sex Ratios**

(b) $F_1 - F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
421	8	9	47.1	8	7	53.3
422	3	8	27.3	3	8	27.3
423	8	6	57.1	4	1	80.0
424	5	9	35.7	4	9	30.8
425	10	3	76.9	10	3	76.9
426	7	6	53.8	6	6	50.0
427	7	8	46.7	6	8	42.9
428	5	7	41.7	5	7	41.7
429	7	5	58.3	7	5	58.3
430	5	6	45.5	5	5	50.0
431	5	7	41.7	5	7	41.7
432	6	8	42.9	6	8	42.9
433	6	4	60.0	6	4	60.0
434	6	8	42.9	6	8	42.9

Appendix 21 (continued) Individual Litter Sex Ratios
(b) $F_1 - F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female Number	Day 1 *post partum*			Day 21 *post partum*		
	Number alive			Number alive		
	Male	Female	% Males/litter	Male	Female	% Males/litter
435	11	4	73.3	Found dead		
436	4	11	26.7	4	10	28.6
437	7	7	50.0	7	7	50.0
438	7	9	43.8	7	8	46.7
439	Not pregnant					
440	Not pregnant					
441	Killed *in extremis*					
442	5	4	55.6	5	4	55.6
443	1	10	9.1	1	10	9.1
444	6	7	46.2	6	7	46.2
445	5	9	35.7	4	9	30.8
446	8	7	53.3	8	7	53.3
447	6	5	54.5	6	5	54.5
448	6	8	42.9	6	8	42.9

Appendix 22 Individual Completion of Offspring Sexual Development (Day *Post Partum*) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
225	43	205	337	34	115
226	43	205	338	35	110
227	46	224	339	34	107
228	47	185	340	37	110
229	44	198	341	33	104
230	44	198	342	37	121
231	41	147	343	34	97
232	Found dead		344	38	100
233	42	190	345	33	99
234	40	200	346	31	110
235	44	224	347	31	87
236	45	219	348	33	116
237	44	188	349	32	103
238	43	180	350	33	102
239	43	199	351	31	90

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
240	44	191	352	31	97
241	44	222	353	32	97
242	44	199	354	40	118
243	45	192	355	34	101
244	43	173	356	32	95
245	46	186	357	34	103
246	42	226	358	43	120
247	45	221	359	30	95
248	45	200	360	37	117
249	42	193	361	35	121
250	41	207	362	34	96
251	43	229	363	33	119
252	42	191	364	34	111
449	50	203	454	41	135

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
253	41	132	365	33	104
254	41	168	366	33	97
255	44	205	367	36	120
256	41	214	368	33	119
257	43	231	369	34	121
258	40	178	370	33	101
259	44	220	371	34	122
260	43	218	372	34	110
261	44	201	373	35	113
262	43	196	374	33	101
263	45	208	375	32	90
264	39	142	376	34	101
265	44	157	377	31	85
266	43	210	378	38	121
267	43	220	379	32	110

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
268	43	200	380	37	123
269	46	184	381	35	101
270	45	233	382	35	105
271	44	187	383	35	110
272	43	182	384	38	100
273	42	199	385	34	106
274	46	228	386	33	103
275	42	184	387	36	132
276	45	210	388	37	96
277	43	187	389	36	117
278	48	219	390	34	92
279	43	226	391	33	117
280	42	189	392	32	99
450	47	246	455	32	114

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
281	43	212	393	34	106
282	42	187	394	33	101
283	47	191	395	33	90
284	41	181	396	35	104
285	43	219	397	34	106
286	47	205	398	34	97
287	41	155	399	36	99
288	42	185	400	31	102
289	44	218	401	38	123
290	45	191	402	35	106
291	44	211	403	35	112
292	43	229	404	36	131
293	44	228	405	35	127
294	47	196	406	34	109
295	44	195	407	35	109

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**

F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
296	46	228	408	36	109
297	43	204	409	35	99
298	44	198	410	36	108
299	43	214	411	34	111
300	43	229	412	34	114
301	44	239	413	34	117
302	43	229	414	34	101
303	46	260	415	33	108
304	47	232	416	34	102
305	47	233	417	34	110
306	47	193	418	37	111
307	46	198	419	35	101
308	46	235	420	34	133
451	45	194	456	33	101

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
309	44	238	421	33	95
310	44	218	422	32	78
311	42	170	423	30	77
312	44	213	424	30	92
313	46	199	425	32	82
314	47	206	426	33	102
315	44	206	427	33	95
316	46	249	428	33	109
317	41	202	429	32	108
318	48	224	430	33	88
319	46	197	431	30	73
320	46	229	432	33	95
321	47	205	433	32	96
322	45	188	434	31	87
323	43	187	435	32	114

Appendix 22 (continued) **Individual Completion of Sexual Development (Day *Post Partum*)**
F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Males			Females		
Male number	Day of completion	Bodyweight (g) at sexual development	Female number	Day of completion	Bodyweight (g) at sexual development
324	43	194	436	31	89
325	47	209	437	30	91
326	44	211	438	31	70
327	43	218	439	31	87
328	43	180	440	31	100
329	42	195	441	31	93
330	43	225	442	30	86
331	46	278	443	31	77
332	42	192	444	31	92
333	48	212	445	31	91
334	45	230	446	32	103
335	45	248	447	30	102
336	46	273	448	30	108
452	47	224	457	39	113
			458	29	80

Appendix 23 Individual Macroscopic *Post Mortem* Findings – Males
(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Macroscopic findings	Status
2	Right tests – small, pale, flaccid	Terminal kill
6	Both testis – small and flaccid	Terminal kill
15	Fur loss on head	Terminal kill

Appendix 23 (continued) **Individual Macroscopic *Post Mortem* Findings – Males**

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Macroscopic findings	Status
39	Right kidney – increased renal pelvic cavitation	Terminal kill
52	Right kidney – increased renal pelvic cavitation	Terminal kill

Appendix 23 (continued) Individual Macroscopic *Post Mortem* Findings – Males
(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Macroscopic findings	Status
58	Liver – swollen Kidneys – large	Found dead
71	Liver – enlarged, pale with accentuated lobular pattern	Terminal Kill
75	Both testis – small and flaccid Epididymides – small	Terminal Kill

Appendix 23 (continued) Individual Macroscopic *Post Mortem* Findings – Males

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Macroscopic findings	Status
91	Thoracic cavity – filled with reddish fluid Lungs – yellow fibrous adhesions covering entire surface Stomach – gaseous distension Staining around snout and eyes Duodenum – gaseous distension – slight yellow coloured contents and surface	Found dead

Appendix 23 (continued) Individual Macroscopic *Post Mortem* Findings – Males
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Macroscopic findings	Status
232	Thoracic cavity – filled with green, amorphous fluid type material, some of which adhering to lung surface	Found dead
247	Left kidney – increased renal pelvic cavitation	Terminal kill
251	Left ear bruised and swollen	Terminal kill

Appendix 23 (continued) Individual Macroscopic *Post Mortem* Findings – Males
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Macroscopic findings	Status
	No abnormalities detected	

Appendix 23 (continued) Individual Macroscopic *Post Mortem* Findings – Males
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Macroscopic findings	Status
293	Right testis – small and flaccid Prostate – yellow area on ventral surface	Terminal kill

Appendix 23 (continued) **Individual Macroscopic *Post Mortem* Findings – Males**
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Macroscopic findings	Status
319	Lungs – post caval lobe and right caudal lobe replaced by pale amorphous tissue which is adherent to diaphragm Liver – accentuated lobular pattern Thymic lymph does – prominent Staining around eyes	Terminal kill

Appendix 24 Individual Macroscopic *Post Mortem* Findings – Females

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Macroscopic findings	Status
120	External – subcutaneous mass – left axillary region, cut surface pale amorphous tissue	Terminal kill
122	External – abdominal area bloated	Killed *in extremis*
	Internal – 1 pup lodged in vagina. All pups dead *in utero*.	
139	Spleen – slightly misshapen, surrounded by connective tissue, white colouration on surface moity	Terminal kill

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Macroscopic findings	Status
143	External – fur loss on ventrum	Terminal kill

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Macroscopic findings	Status
188	Subcutaneous mass proximal to right axillary region – cut surface amorphous tissue	Terminal kill

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Macroscopic findings	Status
213	External – fur loss on ventrum	Terminal kill
216	External – left eye – opaque Internal – left eye – spherical sac with cloudy liquid contents inside the eyeball	Terminal kill
217	External – fur loss on ventrum	Terminal kill
222	Subcutaneous mass in right ventral cervical region – cut surface pale amorphous tissue	Terminal kill

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Macroscopic findings	Status
348	Thoracic cavity – filled with clear fluid Lungs – white fibrous adhesions covering entire surface	Found dead
352	Thymus – scattered white foci	Terminal kill
362	Wound on ventrum – approximately 3 cm long, similar to a scab	Terminal kill

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Macroscopic findings	Status
366	Thoracic cavity – filled with a red/brown fluid Lungs – severe congestion and covered with fibrous adhesion	Found dead
377	Thoracic cavity – filled with a red/brown fluid Lungs – severe congestion, some fibrous adhesions evident	Found dead

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Macroscopic findings	Status
	No abnormalities detected	

Appendix 24 (continued) Individual Macroscopic *Post Mortem* Findings – Females
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Macroscopic findings	Status
435	Thoracic cavity – filled with reddish fluid Lungs – covered with pale green fibrous material	Found dead
441	Heart and lungs – small areas of adhered, green, fibrous lesions Liver – pale Kidneys – pale Spleen – pale Small intestines – reduced contents Adrenals – enlarged Severe bleeding from cervix Uterus – left horn: 4 late deaths, 2 early deaths Uterus – right horn: 6 late deaths External – red staining around mouth, snout and eyes, vaginal bleeding	Killed *in extremis*
458	Right kidney – increased renal pelvic cavitation	Terminal kill

Appendix 25 Stage of Oestrus for Females at Terminal Necropsy

F_0 Generation

Group 1		Group 2		Group 3		Group 4	
Animal Number	Stage	Animal Number	Stage	Animal Number	Stage	Animal Number	Stage
113	D	141	D-P	169	D	197	D
114	D	142	D	170	D	198	D-P
115	D	143	D	171	D	199	M-D
116	D	144	D	172	M-D	200	D
117	D	145	D	173	D	201	D
118	P-E_1	146	D	174	M-D	202	D
119	D	147	D	175	M-D	203	D
120	D	148	D-P	176	D-P	204	D
121	M-D	149	D	177	D	205	D
122	Moribund	150	M-D	178	D	206	D
123	D	151	D	179	P-E_1	207	P-E_1
124	P-E_1	152	D	180	D	208	M-D
125	M	153	D-P	181	P-E	209	D
126	D	154	D	182	D	210	D
127	P-E_1	155	D	183	M-D	211	D
128	D-P	156	D	184	D	212	D
129	M	157	D	185	M-D	213	D
130	D	158	D	186	D	214	P
131	D	159	D	187	D	215	D
132	D	160	M-D	188	P-E_1	216	M-D
133	D	161	D	189	D	217	D
134	M-D	162	M-D	190	D-P	218	D
135	P-E_1	163	D	191	M-D	219	D
136	D	164	D	192	D	220	M-D
137	M-D	165	D-P	193	D-P	221	D
138	P-E_1	166	D	194	P-E_1	222	M-D
139	D	167	D	195	M-D	223	M-D
140	D	168	M-D	196	M-D	224	D

Appendix 25 (continued) Stage of Oestrus for Females at Terminal Necropsy

F_1 Generation

Group 1		Group 2		Group 3		Group 4	
Animal Number	Stage	Animal Number	Stage	Animal Number	Stage	Animal Number	Stage
337	D-P	365	D	393	M-D	421	D
338	D	366	Found Dead	394	D	422	
339	M-D	367	D	395	D	423	D
340	M-D	368	D	396	D	424	D
341	M-D	369	D	397	D	425	D
342	D	370	D	398	D	426	D-P
343	D-P	371	D	399	M-D	427	D
344	D	372	D	400	D	428	D
345	D	373	M-D	401	D	429	D
346	D	374	D	402	D-P	430	D
347	D	375	D	403	D	431	D
348	Found Dead	376	D	404	D	432	D
349	D-P	377	Found Dead	405	P-E_1	433	D
350	P-E_1	378	D	406	D	434	D
351	D-P	379	D	407	D	435	Found Dead
352	D	380	D	408	M-D	436	D
353	D	381	D	409	D	437	D
354	D-P	382	D	410	D	438	M-D
355	D-P	383	D-P	411	D	439	D
356	P-E_1	384	D	412	P-E_1	440	P-E_1
357	D	385	D	413	D	441	Moribund
358	P-E_1	386	D	414	D-P	442	D
359	D	387	M-D	415	D	443	D-P
360	D-P	388	D	416	D	444	D
361	D-P	389	D	417	P-E_1	445	D
362	D-P	390	D	418	D	446	D
363	D	391	D	419	D	447	D
364	D	392	D	420	M-D	448	D

Appendix 26 Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
113	Male	No milk in stomach, autolysis	PD1	-	No abnormalities detected
114	-	-	-	-	No abnormalities detected
115	3 Male	Autolysis	3	-	No abnormalities detected
	10,11 Female	No milk in stomach, autolysis	4	-	Total litter loss
116	1 Male	Autolysis	9	-	No abnormalities detected
	13 Female	Autolysis	9	-	No abnormalities detected
117	Male	No abnormalities detected	PD1	-	No abnormalities detected
	12 Female	Autolysis	2	-	No abnormalities detected
118	Not pregnant				
119	-	-	-	-	No abnormalities detected
120	-	-	-	-	No abnormalities detected
121	6 Male	Autolysis	4	-	No abnormalities detected
	12 Female	Autolysis	5	-	No abnormalities detected
	1,3,5,7,9 Male	Autolysis	6	-	No abnormalities detected
	14 Female	No abnormalities detected	10	-	No abnormalities detected
122	Killed *in extremis*				
123	-	-	-	-	No abnormalities detected
124	-	-	-	-	No abnormalities detected
125	5 Male	Autolysis	10	-	No abnormalities detected

* = - indicates no interim deaths and therefore no observations for this litter
** = - indicates no identification required as all of litter showed no abnormalities
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
126	-	-	-	-	No abnormalities detected
127	-	-	-	-	No abnormalities detected
128	2 Male	Autolysis	11	-	No abnormalities detected
129	-	-	-	-	No abnormalities detected
130	-	-	-	-	No abnormalities detected
131	Female	Lower body crushed, no milk in stomach	PD1	-	No abnormalities detected
132	-	-	-	-	No abnormalities detected
133	-	-	-	-	No abnormalities detected
134	Male	Autolysis	PD1	-	No abnormalities detected
135	-	-	-	-	No abnormalities detected
136	-	-	-	-	No abnormalities detected
137	-	-	-	-	No abnormalities detected
138	5 Male	Autolysis	5	-	No abnormalities detected
	2 Male	No milk in stomach, autolysis	8	-	No abnormalities detected
139	Female	Autolysis	PD1	-	No abnormalities detected
	8 Female	Autolysis	9	-	No abnormalities detected
	15 Female	No abnormalities detected	9	-	No abnormalities detected
	2 Male	No abnormalities detected	10	-	No abnormalities detected
140	6 Male	No abnormalities detected	3	-	No abnormalities detected

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** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre-day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
141	Male	No abnormalities detected	PD1	-	No abnormalities detected
	Female	No abnormalities detected	PD1	-	No abnormalities detected
	10 Female	Autolysis	8	-	No abnormalities detected
142	2 Female	Autolysis	9	-	No abnormalities detected
143	-	-	-	-	No abnormalities detected
144	-	-	-	-	No abnormalities detected
145	Male	No milk in stomach, gaseous distension of stomach, stomach contains colourless contents	PD1	-	No abnormalities detected
	14 Female	Autolysis	4	-	No abnormalities detected
146	-	-	-	-	No abnormalities detected
147	-	-	-	-	No abnormalities detected
148	-	-	-	-	No abnormalities detected
149	12 Female	Autolysis	5	-	No abnormalities detected
150	-	-	-	-	No abnormalities detected
151	-	-	-	-	No abnormalities detected
152	-	-	-	-	No abnormalities detected
153	2 Males	No milk in stomach, autolysis	PD1	-	No abnormalities detected
	3,4,5 Male	Emaciated, no milk in stomach, autolysis	2	-	No abnormalities detected
	9 Female	Emaciated, no milk in stomach, autolysis	2	-	Total litter loss

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** = - indicates no identification required as all of litter showed no abnormalities
PD1 = Pre Day 1
- = Not applicable

Appendix 26 (continued) **Individual Macroscopic *Post Mortem* Findings – Offspring**

(a) F_0 - F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
154	Female	No milk in stomach, stomach filled with colourless fluid	PD1	-	No abnormalities detected
155	-	-	-	-	No abnormalities detected
156	-	-	-	-	No abnormalities detected
157	Not pregnant				
158	-	-	-	-	No abnormalities detected
159	-	-	-	-	No abnormalities detected
160	5 Male	Autolysis	4	-	No abnormalities detected
	11 Male	Autolysis	6	-	No abnormalities detected
	1 Male	Autolysis	14	-	No abnormalities detected
161	5 Male	No abnormalities detected	8	-	No abnormalities detected
	14 Female	Autolysis	8	-	No abnormalities detected
162	-	-	-	-	No abnormalities detected
163	-	-	-	-	No abnormalities detected
164	-	-	-	-	No abnormalities detected
165	-	-	-	-	No abnormalities detected
166	-	-	-	-	No abnormalities detected
167	Not pregnant				
168	14 Female	No milk in stomach, autolysis	5	1 Female	Right kidney – increased renal pelvic cavitation

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** = - indicates no identification required as all of litter showed no abnormalities
PD1 = Pre Day 1
- = Not applicable

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
169	-	-	-	-	No abnormalities detected
170	-	-	-	-	No abnormalities detected
171	13,15 Female	No abnormalities detected	2	-	No abnormalities detected
	6 Male	Autolysis	5	-	No abnormalities detected
	12 Female	No abnormalities detected	13	-	No abnormalities detected
172	Male	No milk in stomach, autolysis	PD1	Male	Left kidney replaced by small cyst
173	14 Female	Cannibalised	9	-	No abnormalities detected
	13 Female	Autolysis	9	-	No abnormalities detected
	1,3 Male	Autolysis	9	-	No abnormalities detected
	9 Female	Autolysis	11	-	No abnormalities detected
	8 Female	Autolysis	15	-	No abnormalities detected
174	-	-	-	-	No abnormalities detected
175	-	-	-	-	No abnormalities detected
176	-	-	-	-	No abnormalities detected
177	-	-	-	-	No abnormalities detected
178	4 Male	Cannibalised	13	-	No abnormalities detected
179	11 Female	Cannibalised	6	-	No abnormalities detected
	12 Female	Autolysis	12	-	No abnormalities detected
	3 Male	Autolysis	13	-	No abnormalities detected
180	-	-	-	-	No abnormalities detected

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** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Offspring number and sex*	Interim death* Observation	Day of death *post partum*	Offspring number and sex**	Terminal kill** Observation
181	-	-	-	-	Total litter loss
182	12 Female	Puncture wound on neck	5	-	No abnormalities detected
	1,8 Male	No abnormalities detected	10	-	No abnormalities detected
	7 Male	No abnormalities detected	12	-	No abnormalities detected
183	3 Male	No abnormalities detected	11	-	No abnormalities detected
	16 Female	No abnormalities detected	11	-	No abnormalities detected
184	-	-	-	-	No abnormalities detected
185	-	-	-	-	No abnormalities detected
186	6 Male	No abnormalities detected	8	-	No abnormalities detected
187	Not pregnant				
188	Female	No milk in stomach, autolysis	PD1	-	No abnormalities detected
189	-	-	-	-	No abnormalities detected
190	-	-	-	-	No abnormalities detected
191	-	-	-	-	No abnormalities detected
192	Female	No abnormalities detected	PD1	-	No abnormalities detected
193	8 Female	Internal organs cannibalised	12	-	No abnormalities detected
	7 Male	No abnormalities detected	2	-	No abnormalities detected
194	Not pregnant				
195	-	-	-	-	No abnormalities detected
196	1 Male	No abnormalities detected	6	-	No abnormalities detected
	7 Male	Autolysis	12	-	No abnormalities detected

* = - indicates no interim deaths and therefore no observations for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
197	10 Female	No abnormalities detected	10	-	No abnormalities detected
198	Female	No abnormalities detected	PD1	-	No abnormalities detected
199	-	-	-	-	No abnormalities detected
200	Female	No abnormalities detected	PD1	-	No abnormalities detected
	3 Male	Autolysis	3	-	No abnormalities detected
201	5,6,10 Female	Autolysis	11	-	No abnormalities detected
	4,11 Female	Autolysis	12	-	No abnormalities detected
	3 Male	Autolysis	13	-	No abnormalities detected
202	7 Male	No milk in stomach, autolysis	10	-	No abnormalities detected
203	Male	No milk in stomach	4	-	No abnormalities detected
	9 Male	Autolysis	4	-	No abnormalities detected
	6 Male	Autolysis	5	-	No abnormalities detected
	2 Male	Autolysis	7	-	No abnormalities detected
	13,16 Female	Autolysis	7	-	No abnormalities detected
	12,14 Female	Autolysis	8	-	No abnormalities detected
	3 Male	Autolysis	9	-	No abnormalities detected
	5 Male	Autolysis	10	-	No abnormalities detected
	10 Female	Autolysis	10	-	No abnormalities detected
	7 Male	Autolysis	14	1 Male	Small
				1 Female	Small

* = - indicates no interim deaths and therefore no observations for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
204	-	-	-	-	No abnormalities detected
205	-	-	-	-	No abnormalities detected
206	-	-	-	-	No abnormalities detected
207	Male	No milk in stomach	PD1	-	No abnormalities detected
208	-	-	-	-	No abnormalities detected
209	-	-	-	-	No abnormalities detected
210	-	-	-	-	No abnormalities detected
211	-	-	-	-	No abnormalities detected
212	14 Female	No abnormalities detected	9	-	No abnormalities detected
213	-	-	-	1 Male	Generalised fur loss
				3 Female	Generalised fur loss
214	2 Male	No abnormalities detected	14	-	No abnormalities detected
215	-	-	-	-	No abnormalities detected
216	-	-	-	-	No abnormalities detected
217	Male	Autolysis	1	-	No abnormalities detected
218	-	-	-	-	No abnormalities detected
219	-	-	-	-	No abnormalities detected
220	4 Male	Autolysis	9	-	No abnormalities detected
221	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths and therefore no observations for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(a) F_0 - F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
222	9 Female	Autolysis	7	-	No abnormalities detected
	4 Male	Autolysis	10	-	No abnormalities detected
	11 Female	Autolysis	10	-	No abnormalities detected
	14 Female	No abnormalities detected	11	-	No abnormalities detected
223	-	-	-	-	No abnormalities detected
224	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths and therefore no observations for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
337	-	-	-	-	No abnormalities detected
338	-	-	-	-	No abnormalities detected
339	-	-	-	-	No abnormalities detected
340	-	-	-	-	No abnormalities detected
341	-	-	-	-	No abnormalities detected
342	-	-	-	-	No abnormalities detected
343	-	-	-	-	No abnormalities detected
344	-	-	-	15 Female	Bladder – enlarged and misshapen Bladder wall – cloudy appearance
345	-	-	-	13 Female	Right kidney – increased renal pelvic cavitation
346	-	-	-	-	No abnormalities detected
347	5 Male	Autolysis	2	-	No abnormalities detected
	3 Male	Autolysis	10	-	No abnormalities detected
348	-	-	-	-	No abnormalities detected
349	-	-	-	-	No abnormalities detected
350	2 Males	Autolysis	PD1	-	No abnormalities detected
	11 Female	Wounds on top of head, laboured respiration, internal hydrocephalus	10	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) **Individual Macroscopic *Post Mortem* Findings – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
351	-	-	-	-	No abnormalities detected
352	-	-	-	8 Male	Left kidney – increased renal pelvic cavitation
353	-	-	-	-	No abnormalities detected
354	-	-	-	-	No abnormalities detected
355	-	-	-	-	No abnormalities detected
356	-	-	-	-	No abnormalities detected
357	-	-	-	-	No abnormalities detected
358	-	-	-	-	No abnormalities detected
359	12 Female	No abnormalities detected	5	15 Female	Left kidney – increased renal pelvic cavitation
360	-	-	-	-	No abnormalities detected
361	-	-	-	-	No abnormalities detected
362	Male	No milk in stomach, autolysis	PD1	-	No abnormalities detected
	Female	No milk in stomach, autolysis	PD1	-	No abnormalities detected
363	-	-	-	-	No abnormalities detected
364	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
365	-	-	-	-	No abnormalities detected
366	-	-	-	-	No abnormalities detected
367	-	-	-	-	No abnormalities detected
368	-	-	-	-	No abnormalities detected
369	-	-	-	-	No abnormalities detected
370	-	-	-	-	No abnormalities detected
371	10 Female	Autolysis	6	-	No abnormalities detected
372	-	-	-	-	No abnormalities detected
373	2 Male	No milk in stomach, autolysis	8	-	No abnormalities detected
374	-	-	-	-	No abnormalities detected
375	-	-	-	-	No abnormalities detected
376	-	-	-	-	No abnormalities detected
377	-	-	-	-	No abnormalities detected
378	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable

Appendix 26 (continued) **Individual Macroscopic *Post Mortem* Findings – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
379	-	-	-	-	No abnormalities detected
380	-	-	-	-	No abnormalities detected
381	-	-	-	-	No abnormalities detected
382	-	-	-	-	No abnormalities detected
383	Male	All internal organs cannibalised	PD1	-	No abnormalities detected
384	-	-	-	-	No abnormalities detected
385	-	-	-	-	No abnormalities detected
386	-	-	-	-	No abnormalities detected
387	-	-	-	-	No abnormalities detected
388	-	-	-	-	No abnormalities detected
389	-	-	-	-	No abnormalities detected
390	1 Male	Autolysis	2	-	No abnormalities detected
391	-	-	-	4 Male	Right kidney – increased renal pelvic cavitation
392	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable
PD1 = Pre Day 1

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Offspring number and sex	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
393	-	-	-	-	No abnormalities detected
394	-	-	-	-	No abnormalities detected
395	-	-	-	7 Male	Right kidney – increased renal pelvic cavitation
396	-	-	-	-	No abnormalities detected
397	-	-	-	-	No abnormalities detected
398	-	-	-	-	No abnormalities detected
399	10 Female	No milk in stomach	8	-	No abnormalities detected
400	-	-	-	-	No abnormalities detected
401	-	-	-	-	No abnormalities detected
402	-	-	-	-	No abnormalities detected
403	5 Male	Autolysis	4	-	No abnormalities detected
404	-	-	-	-	No abnormalities detected
405	-	-	-	-	No abnormalities detected
406	16 Female	No milk in stomach	4	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable

Appendix 26 (continued) **Individual Macroscopic *Post Mortem* Findings – Offspring**
(b) $F_1 - F_2$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
407	-	-	-	-	No abnormalities detected
408	-	-	-	-	No abnormalities detected
409	-	-	-	-	No abnormalities detected
410	-	-	-	-	No abnormalities detected
411	-	-	-	-	No abnormalities detected
412	-	-	-	-	No abnormalities detected
413	-	-	-	-	No abnormalities detected
414	-	-	-	-	No abnormalities detected
415	-	-	-	-	No abnormalities detected
416	-	-	-	-	No abnormalities detected
417	-	-	-	-	No abnormalities detected
418	-	-	-	-	No abnormalities detected
419	-	-	-	5 Male	Right kidney – increased renal pelvic cavitation
420	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
- = Not applicable

Appendix 26 (continued) Individual Macroscopic *Post Mortem* Findings – Offspring

(b) $F_1 – F_2$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex**	Terminal kill**
		Observation			Observation
421	Male	No milk in stomach	PD1	-	No abnormalities detected
	16 Female	Autolysis	13	4,5 Male	Right kidney – increased renal pelvic cavitation
422	-	-	-	-	No abnormalities detected
423	10,14 Female	Autolysis	2	-	No abnormalities detected
424	-	-	-	-	No abnormalities detected
425	-	-	-	-	No abnormalities detected
426	1 Male	Autolysis	9	-	No abnormalities detected
427	4 Male	Autolysis	4	3 Male	Right kidney – increased renal pelvic cavitation
428	-	-	-	-	No abnormalities detected
429	-	-	-	-	No abnormalities detected
430	-	-	-	-	No abnormalities detected
431	-	-	-	-	No abnormalities detected
432	-	-	-	-	No abnormalities detected
433	-	-	-	-	No abnormalities detected
434	-	-	-	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
PD1 = Pre Day 1
- = Not applicable

Appendix 26 (continued) **Individual Macroscopic *Post Mortem* Findings – Offspring**
(b) $F_1 – F_2$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Offspring number and sex*	Interim death*	Day of death *post partum*	Offspring number and sex	Terminal kill**
		Observation			Observation
435	1-11 Male 12-15 Female	No milk in stomach, pups killed due to death of mother	15	-	-
436	-	-	-	-	No abnormalities detected
437	-	-	-	-	No abnormalities detected
438	14 Female	Autolysis	5	6,7 Male	Right kidney – increased renal pelvic cavitation
439	-	-	-	-	No abnormalities detected
440	-	-	-	-	No abnormalities detected
441	-	-	-	-	No abnormalities detected
442	-	-	-	-	No abnormalities detected
443	-	-	-	-	No abnormalities detected
444	-	-	-	-	No abnormalities detected
445	Male	No milk in stomach, autolysis	PD1	-	No abnormalities detected
446	-	-	-	-	No abnormalities detected
447	-	-	-	-	No abnormalities detected
448	2 Females	Autolysis	PD1	-	No abnormalities detected

* = - indicates no interim deaths for this litter
** = - indicates no identification required as all of litter showed no abnormalities
PD1 = Pre Day 1

Appendix 27 Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0.054	0.009	2.077	0.351	3.813	0.644	24.121	4.074	0.875	0.148	0.425	0.072	0.019	0.003
2	0.068	0.009	2.070	0.282	4.355	0.594	28.274	3.857	0.957	0.131	0.563	0.077	0.025	0.003
3	0.064	0.010	2.294	0.342	4.595	0.685	24.305	3.622	0.915	0.136	0.355	0.053	0.020	0.003
4	0.066	0.011	2.321	0.385	4.372	0.725	21.275	3.528	0.897	0.149	0.418	0.069	0.034	0.006
5	0.045	0.008	2.133	0.386	3.776	0.683	21.592	3.905	0.761	0.138	0.492	0.089	0.035	0.006
6	0.065	0.011	2.175	0.352	4.308	0.697	25.141	4.068	0.749	0.121	0.395	0.064	0.024	0.004
7	0.076	0.010	2.286	0.307	4.904	0.659	24.837	3.338	0.895	0.120	0.468	0.063	0.038	0.005
8	0.069	0.010	2.211	0.323	5.281	0.771	25.749	3.759	1.127	0.165	0.519	0.076	0.041	0.006
9	0.059	0.009	2.119	0.332	4.253	0.667	23.595	3.698	0.949	0.149	0.347	0.054	0.034	0.005
10	0.060	0.008	2.232	0.303	4.410	0.599	24.947	3.390	0.921	0.125	0.436	0.059	0.039	0.005
11	0.077	0.013	2.200	0.380	3.949	0.682	19.730	3.408	0.738	0.127	0.382	0.066	0.039	0.007
12	0.056	0.009	2.223	0.348	4.833	0.758	23.000	3.605	0.918	0.144	0.354	0.055	0.034	0.005
13	0.085	0.015	2.120	0.364	3.830	0.657	20.521	3.520	0.887	0.152	0.335	0.057	0.038	0.007
14	0.062	0.010	2.190	0.368	3.730	0.627	19.229	3.232	0.657	0.110	0.300	0.050	0.037	0.006

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
1	0.687	0.116	0.721	0.122	0.020	0.003	0.893	0.151	2.078	0.351	1.846	0.312	1.813	0.306
2	0.672	0.092	0.307	0.042	0.016	0.002	0.847	0.116	2.560	0.349	1.974	0.269	1.166	0.159
3	0.905	0.135	0.755	0.113	0.014	0.002	0.808	0.120	3.252	0.485	1.843	0.275	1.853	0.276
4	0.729	0.121	0.734	0.122	0.012	0.002	0.362	0.060	2.662	0.441	2.060	0.342	2.016	0.334
5	0.549	0.099	0.626	0.113	0.011	0.002	0.659	0.119	2.024	0.366	1.509	0.273	1.557	0.282
6	0.761	0.123	0.500	0.081	0.018	0.003	0.568	0.092	3.177	0.514	0.995	0.161	1.009	0.163
7	0.737	0.099	0.763	0.103	0.024	0.003	0.689	0.093	3.155	0.424	1.988	0.267	1.955	0.263
8	0.755	0.110	0.836	0.122	0.021	0.003	0.742	0.108	2.497	0.365	1.815	0.265	1.825	0.266
9	0.847	0.133	0.709	0.111	0.019	0.003	0.499	0.078	2.779	0.436	1.777	0.279	1.778	0.279
10	0.655	0.089	0.734	0.100	0.023	0.003	0.629	0.085	2.360	0.321	1.999	0.272	2.095	0.285
11	0.746	0.129	0.674	0.116	0.018	0.003	0.895	0.155	2.869	0.496	1.905	0.329	1.912	0.330
12	0.767	0.120	0.782	0.123	0.020	0.003	0.956	0.150	3.290	0.516	1.885	0.295	1.946	0.305
13	0.706	0.121	0.729	0.125	0.019	0.003	0.804	0.138	2.350	0.403	1.928	0.331	1.975	0.339
14	0.639	0.107	0.670	0.113	0.017	0.003	0.780	0.131	2.983	0.501	1.668	0.280	1.773	0.298

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
15	0.076	0.012	2.251	0.352	4.486	0.702	21.095	3.301	0.719	0.113	0.445	0.070	0.024	0.004
16	0.054	0.008	2.103	0.314	4.141	0.619	23.147	3.460	0.776	0.116	0.457	0.068	0.033	0.005
17	0.047	0.008	2.118	0.365	3.893	0.671	21.659	3.734	0.797	0.137	0.279	0.048	0.038	0.007
18	0.062	0.011	2.293	0.399	3.877	0.675	18.896	3.292	0.813	0.142	0.229	0.040	0.014	0.002
19	0.053	0.009	2.148	0.380	3.233	0.572	18.500	3.274	0.974	0.172	0.389	0.069	0.029	0.005
20	0.040	0.006	2.181	0.347	4.361	0.694	20.825	3.316	0.892	0.142	0.409	0.065	0.041	0.007
21	0.055	0.009	2.233	0.362	3.949	0.640	21.102	3.420	0.707	0.115	0.369	0.060	0.032	0.005
22	0.068	0.011	2.247	0.352	4.414	0.691	26.321	4.119	0.799	0.125	0.350	0.055	0.026	0.004
23	0.053	0.009	2.062	0.366	4.209	0.746	18.356	3.255	0.824	0.146	0.312	0.055	0.024	0.004
24	0.068	0.010	2.138	0.322	4.544	0.684	25.092	3.779	0.991	0.149	0.464	0.070	0.034	0.005
25	0.060	0.010	2.265	0.395	3.832	0.669	21.272	3.712	0.910	0.159	0.499	0.087	0.025	0.004
26	0.064	0.010	2.130	0.336	4.648	0.733	21.819	3.441	0.800	0.126	0.358	0.056	0.034	0.005
27	0.056	0.008	2.326	0.323	4.557	0.633	23.918	3.322	0.818	0.114	0.446	0.062	0.027	0.004
28	0.053	0.009	2.053	0.360	4.122	0.723	17.435	3.059	0.779	0.137	0.404	0.071	0.037	0.006

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
15	0.838	0.131	0.895	0.140	0.016	0.003	0.826	0.129	3.107	0.486	2.256	0.353	2.251	0.352
16	0.797	0.119	0.754	0.113	0.014	0.002	0.942	0.141	2.676	0.400	1.867	0.279	1.841	0.275
17	0.786	0.136	0.885	0.153	0.016	0.003	0.555	0.096	2.890	0.498	1.842	0.318	1.794	0.309
18	0.839	0.146	0.733	0.128	0.021	0.004	0.636	0.111	2.908	0.507	2.179	0.380	2.119	0.369
19	0.724	0.128	0.725	0.128	0.020	0.004	0.947	0.168	2.657	0.470	1.926	0.341	1.964	0.348
20	0.736	0.117	0.709	0.113	0.017	0.003	0.949	0.151	3.216	0.512	2.020	0.322	2.044	0.325
21	0.705	0.114	0.714	0.116	0.016	0.003	0.691	0.112	2.336	0.379	2.116	0.343	2.043	0.331
22	0.754	0.118	0.725	0.113	0.021	0.003	0.541	0.085	2.685	0.420	2.060	0.322	1.989	0.311
23	0.664	0.118	0.675	0.120	0.016	0.003	0.787	0.140	2.618	0.464	1.700	0.301	1.695	0.301
24	0.793	0.119	0.874	0.132	0.016	0.002	0.952	0.143	2.522	0.380	1.990	0.300	1.987	0.299
25	0.671	0.117	0.655	0.114	0.017	0.003	0.547	0.095	1.860	0.325	1.850	0.323	1.805	0.315
26	0.695	0.110	0.739	0.117	0.016	0.003	0.929	0.147	2.963	0.467	1.794	0.283	1.845	0.291
27	0.747	0.104	0.763	0.106	0.022	0.003	0.603	0.084	3.137	0.436	1.857	0.258	1.915	0.266
28	0.747	0.131	0.758	0.133	0.020	0.004	0.669	0.117	2.703	0.474	1.832	0.321	1.836	0.322

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
29	0.063	0.011	2.132	0.355	4.342	0.724	21.127	3.521	0.741	0.124	0.365	0.061	0.015	0.002
30	0.057	0.007	1.992	0.248	4.223	0.526	26.352	3.282	0.866	0.108	0.612	0.076	0.024	0.003
31	0.058	0.008	2.188	0.308	4.256	0.599	22.020	3.097	0.960	0.135	0.373	0.052	0.017	0.002
32	0.070	0.010	2.039	0.301	4.344	0.642	24.971	3.688	0.770	0.114	0.419	0.062	0.023	0.003
33	0.048	0.008	2.138	0.335	4.056	0.636	21.205	3.324	0.754	0.118	0.301	0.047	0.022	0.003
34	0.041	0.007	2.120	0.359	4.142	0.701	19.810	3.352	1.082	0.183	0.433	0.073	0.022	0.004
35	0.068	0.012	2.106	0.364	4.421	0.764	23.296	4.023	0.822	0.142	0.294	0.051	0.031	0.005
36	0.051	0.008	2.308	0.362	4.184	0.657	21.585	3.389	0.863	0.135	0.506	0.079	0.032	0.005
37	0.047	0.008	2.281	0.403	4.906	0.867	28.233	4.988	1.136	0.201	0.468	0.083	0.038	0.007
38	0.057	0.008	2.182	0.292	3.772	0.504	18.866	2.522	0.798	0.107	0.319	0.043	0.028	0.004
39	0.060	0.008	2.089	0.290	4.827	0.670	28.224	3.920	0.982	0.136	0.634	0.088	0.030	0.004
40	0.055	0.009	2.160	0.344	3.880	0.618	20.375	3.244	0.803	0.128	0.364	0.058	0.026	0.004
41	0.078	0.013	2.168	0.370	4.683	0.799	23.965	4.090	0.907	0.155	0.277	0.047	0.038	0.006
42	0.060	0.010	2.115	0.341	4.217	0.680	19.853	3.202	0.818	0.132	0.437	0.070	0.014	0.002

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
29	0.609	0.102	0.669	0.112	0.021	0.004	0.709	0.118	2.673	0.445	1.742	0.290	1.759	0.293
30	0.680	0.085	0.703	0.088	0.015	0.002	0.660	0.082	2.412	0.300	1.803	0.225	1.825	0.227
31	0.806	0.113	0.688	0.097	0.015	0.002	0.803	0.113	3.153	0.443	1.865	0.262	1.809	0.254
32	0.750	0.111	0.767	0.113	0.010	0.001	0.571	0.084	2.986	0.441	2.067	0.305	2.066	0.305
33	0.741	0.116	0.738	0.116	0.017	0.003	0.729	0.114	2.460	0.386	2.086	0.327	2.060	0.323
34	0.649	0.110	0.687	0.116	0.018	0.003	0.760	0.129	2.638	0.446	1.583	0.268	1.638	0.277
35	0.691	0.119	0.684	0.118	0.019	0.003	0.551	0.095	2.686	0.464	1.860	0.321	1.860	0.321
36	0.704	0.111	0.704	0.111	0.015	0.002	0.355	0.056	2.624	0.412	1.715	0.269	1.705	0.268
37	0.800	0.141	0.733	0.130	0.011	0.002	0.660	0.117	2.433	0.430	1.865	0.330	1.929	0.341
38	0.616	0.082	0.629	0.084	0.018	0.002	0.682	0.091	1.980	0.265	1.859	0.249	1.824	0.244
39	0.842	0.117	0.790	0.110	0.022	0.003	1.058	0.147	2.646	0.368	1.881	0.261	1.907	0.265
40	0.718	0.114	0.700	0.111	0.023	0.004	0.715	0.114	2.417	0.385	1.957	0.312	1.950	0.311
41	0.724	0.124	0.683	0.117	0.020	0.003	0.780	0.133	2.801	0.478	1.810	0.309	1.715	0.293
42	0.753	0.121	0.743	0.120	0.015	0.002	0.644	0.104	2.577	0.416	1.854	0.299	1.809	0.292

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
43	0.076	0.012	2.103	0.319	4.359	0.661	22.659	3.438	0.936	0.142	0.239	0.036	0.041	0.006
44	0.056	0.009	2.056	0.314	3.728	0.570	24.577	3.758	0.780	0.119	0.455	0.070	0.048	0.007
45	0.052	0.008	2.007	0.328	3.304	0.540	20.478	3.346	0.729	0.119	0.299	0.049	0.052	0.008
46	0.052	0.009	2.045	0.341	3.411	0.569	19.566	3.266	0.944	0.158	0.382	0.064	0.052	0.009
47	0.075	0.013	2.106	0.378	3.990	0.716	19.475	3.496	0.677	0.122	0.313	0.056	0.028	0.005
48	0.048	0.009	1.980	0.354	3.613	0.646	16.594	2.969	0.626	0.112	0.351	0.063	0.022	0.004
49	0.060	0.010	2.071	0.350	3.931	0.664	22.149	3.741	0.850	0.144	0.425	0.072	0.028	0.005
50	0.048	0.008	2.403	0.414	3.853	0.663	20.061	3.453	0.937	0.161	0.417	0.072	0.037	0.006
51	0.050	0.008	2.263	0.384	4.346	0.738	19.739	3.351	0.922	0.157	0.424	0.072	0.056	0.010
52	0.067	0.010	2.204	0.314	4.618	0.658	25.381	3.616	0.821	0.117	0.368	0.052	0.037	0.005
53	0.053	0.008	2.136	0.316	4.420	0.653	25.136	3.713	0.923	0.136	0.463	0.068	0.034	0.005
54	0.051	0.007	2.321	0.301	4.875	0.632	26.235	3.403	0.982	0.127	0.594	0.077	0.040	0.005
55	0.061	0.009	2.234	0.347	4.425	0.687	23.841	3.702	0.822	0.128	0.487	0.076	0.027	0.004
56	0.046	0.008	2.161	0.369	3.840	0.656	20.237	3.459	0.968	0.165	0.371	0.063	0.026	0.004

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
43	0.742	0.113	0.693	0.105	0.012	0.002	0.622	0.094	3.173	0.481	1.931	0.293	1.890	0.287
44	0.864	0.132	0.765	0.117	0.022	0.003	0.628	0.096	2.448	0.374	2.003	0.306	1.968	0.301
45	0.668	0.109	0.677	0.111	0.008	0.001	0.569	0.093	1.665	0.272	1.840	0.301	1.911	0.312
46	0.753	0.126	0.760	0.127	0.015	0.003	0.734	0.123	2.919	0.487	1.942	0.324	1.915	0.320
47	0.765	0.137	0.733	0.132	0.016	0.003	0.807	0.145	2.138	0.384	1.944	0.349	1.904	0.342
48	0.580	0.104	0.605	0.108	0.015	0.003	0.665	0.119	1.929	0.345	1.566	0.280	1.564	0.280
49	0.723	0.122	0.816	0.138	0.017	0.003	0.701	0.118	2.785	0.470	1.863	0.315	1.833	0.310
50	0.697	0.120	0.664	0.114	0.016	0.003	0.718	0.124	2.071	0.356	1.910	0.329	1.837	0.316
51	0.700	0.119	0.694	0.118	0.020	0.003	0.435	0.074	1.908	0.324	1.976	0.335	2.038	0.346
52	0.598	0.085	0.638	0.091	0.014	0.002	0.668	0.095	2.403	0.342	1.722	0.245	1.714	0.244
53	0.679	0.100	0.707	0.104	0.020	0.003	0.648	0.096	2.554	0.377	1.759	0.260	1.720	0.254
54	0.743	0.096	0.760	0.099	0.017	0.002	0.717	0.093	2.740	0.355	1.990	0.258	1.969	0.255
55	0.625	0.097	0.672	0.104	0.017	0.003	0.638	0.099	2.280	0.354	1.987	0.309	1.985	0.308
56	0.665	0.114	0.709	0.121	0.017	0.003	0.896	0.153	2.457	0.420	1.893	0.324	1.847	0.316

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
57	0.049	0.009	2.096	0.395	3.627	0.684	20.763	3.918	0.839	0.158	0.447	0.084	0.020	0.004
58	Found dead													
59	0.056	0.009	2.086	0.318	3.535	0.538	21.101	3.212	0.782	0.119	0.450	0.068	0.024	0.004
60	0.085	0.015	2.126	0.365	4.243	0.729	21.188	3.641	0.724	0.124	0.358	0.062	0.036	0.006
61	0.069	0.013	2.040	0.377	3.625	0.670	17.746	3.280	0.712	0.132	0.305	0.056	0.022	0.004
62	0.057	0.009	2.224	0.332	4.750	0.709	24.579	3.669	0.917	0.137	0.391	0.058	0.031	0.005
63	0.056	0.010	2.074	0.352	3.311	0.562	19.606	3.329	0.714	0.121	0.265	0.045	0.036	0.006
64	0.066	0.013	2.011	0.381	3.943	0.747	19.894	3.768	0.757	0.143	0.328	0.062	0.031	0.006
65	0.049	0.007	2.188	0.295	4.612	0.622	22.745	3.065	0.807	0.109	0.316	0.043	0.027	0.004
66	0.051	0.008	2.046	0.310	4.302	0.651	23.009	3.481	0.770	0.116	0.494	0.075	0.039	0.006
67	0.062	0.011	2.210	0.383	3.968	0.688	21.713	3.763	0.902	0.156	0.452	0.078	0.038	0.007
68	0.072	0.012	2.191	0.376	4.095	0.704	20.387	3.503	0.857	0.147	0.406	0.070	0.029	0.005
69	0.047	0.008	2.058	0.335	4.127	0.672	22.817	3.716	0.867	0.141	0.356	0.058	0.019	0.003
70	0.045	0.007	2.160	0.335	3.954	0.614	21.153	3.285	0.906	0.141	0.504	0.078	0.020	0.003

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
57	0.603	0.114	0.616	0.116	0.019	0.004	0.639	0.121	1.828	0.345	1.610	0.304	1.667	0.315
58	Found dead													
59	0.734	0.112	0.743	0.113	0.018	0.003	0.704	0.107	2.707	0.412	1.932	0.294	1.947	0.296
60	0.760	0.131	0.867	0.149	0.012	0.002	0.615	0.106	2.754	0.473	1.954	0.336	2.018	0.347
61	0.648	0.120	0.622	0.115	0.022	0.004	0.421	0.078	2.086	0.386	1.851	0.342	1.786	0.330
62	0.777	0.116	0.800	0.119	0.021	0.003	0.875	0.131	2.803	0.418	2.218	0.331	2.248	0.336
63	0.616	0.105	0.605	0.103	0.020	0.003	0.751	0.128	1.863	0.316	1.778	0.302	1.852	0.314
64	0.652	0.123	0.699	0.132	0.014	0.003	0.422	0.080	2.315	0.438	1.767	0.335	1.842	0.349
65	0.736	0.099	0.685	0.092	0.022	0.003	0.745	0.100	2.360	0.318	1.814	0.244	1.896	0.256
66	0.688	0.104	0.662	0.100	0.014	0.002	0.724	0.110	3.015	0.456	1.908	0.289	1.894	0.287
67	0.644	0.112	0.644	0.112	0.015	0.003	0.721	0.125	2.363	0.410	1.740	0.302	1.622	0.281
68	0.681	0.117	0.678	0.116	0.017	0.003	0.796	0.137	2.539	0.436	1.815	0.312	1.818	0.312
69	0.730	0.119	0.769	0.125	0.008	0.001	1.079	0.176	2.802	0.456	1.835	0.299	1.816	0.296
70	0.754	0.117	0.733	0.114	0.019	0.003	0.928	0.144	2.569	0.399	2.067	0.321	2.006	0.311

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
71	0.043	0.007	2.263	0.350	5.278	0.817	31.956	4.947	1.087	0.168	0.411	0.064	0.032	0.005
72	0.065	0.009	2.150	0.291	3.762	0.508	25.378	3.429	1.074	0.145	0.363	0.049	0.032	0.004
73	0.057	0.009	2.230	0.342	4.921	0.754	25.352	3.882	0.853	0.131	0.462	0.071	0.049	0.008
74	0.053	0.009	2.002	0.339	4.175	0.706	20.283	3.432	0.654	0.111	0.248	0.042	0.027	0.005
75	0.052	0.010	2.185	0.402	4.203	0.774	19.932	3.671	0.719	0.132	0.238	0.044	0.031	0.006
76	0.046	0.007	2.020	0.328	4.180	0.679	22.300	3.620	0.752	0.122	0.271	0.044	0.033	0.005
77	0.066	0.010	2.244	0.324	4.270	0.616	24.796	3.578	1.108	0.160	0.420	0.061	0.040	0.006
78	0.052	0.008	2.094	0.314	4.295	0.644	26.154	3.921	0.960	0.144	0.505	0.076	0.026	0.004
79	0.039	0.007	2.233	0.389	4.140	0.721	20.811	3.626	0.744	0.130	0.333	0.058	0.027	0.005
80	0.043	0.007	1.987	0.342	3.629	0.625	19.654	3.383	0.805	0.139	0.328	0.056	0.039	0.007
81	0.067	0.011	2.182	0.352	4.839	0.780	25.475	4.109	1.002	0.162	0.336	0.054	0.034	0.005
82	0.065	0.009	2.272	0.322	4.676	0.663	27.966	3.967	1.033	0.147	0.392	0.056	0.030	0.004
83	0.071	0.011	2.105	0.338	4.289	0.690	19.564	3.145	0.936	0.150	0.375	0.060	0.022	0.004
84	0.054	0.009	2.065	0.351	4.012	0.681	21.348	3.624	0.859	0.146	0.472	0.080	0.039	0.007

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
71	0.804	0.124	0.747	0.116	0.020	0.003	0.653	0.101	2.730	0.423	2.080	0.322	2.165	0.335
72	0.706	0.095	0.594	0.080	0.023	0.003	0.564	0.076	1.853	0.250	1.732	0.234	1.709	0.231
73	0.694	0.106	0.778	0.119	0.021	0.003	0.870	0.133	2.932	0.449	1.836	0.281	1.921	0.294
74	0.789	0.134	0.702	0.119	0.017	0.003	0.840	0.142	2.700	0.457	1.728	0.292	1.814	0.307
75	0.445	0.082	0.400	0.074	0.013	0.002	0.795	0.146	2.645	0.487	0.743	0.137	0.728	0.134
76	0.610	0.099	0.568	0.092	0.019	0.003	0.647	0.105	2.543	0.413	1.818	0.295	1.718	0.279
77	0.754	0.109	0.707	0.102	0.011	0.002	0.729	0.105	2.878	0.415	1.996	0.288	2.093	0.302
78	0.716	0.107	0.804	0.121	0.017	0.003	0.835	0.125	2.051	0.307	2.127	0.319	2.108	0.316
79	0.635	0.111	0.662	0.115	0.017	0.003	0.855	0.149	2.195	0.382	1.572	0.274	1.620	0.282
80	0.628	0.108	0.672	0.116	0.018	0.003	0.637	0.110	2.070	0.356	1.878	0.323	1.793	0.309
81	0.673	0.109	0.708	0.114	0.017	0.003	0.725	0.117	2.682	0.433	1.660	0.268	1.651	0.266
82	0.778	0.110	0.763	0.108	0.018	0.003	1.091	0.155	2.748	0.390	2.086	0.296	2.032	0.288
83	0.647	0.104	0.757	0.122	0.016	0.003	0.753	0.121	2.428	0.390	1.972	0.317	1.901	0.306
84	0.644	0.109	0.653	0.111	0.011	0.002	0.488	0.083	2.511	0.426	1.827	0.310	1.744	0.296

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
85	0.065	0.009	2.392	0.321	5.402	0.724	30.040	4.027	0.940	0.126	0.409	0.055	0.024	0.003
86	0.078	0.012	2.112	0.326	4.304	0.665	26.256	4.058	0.892	0.138	0.464	0.072	0.024	0.004
87	0.058	0.010	2.284	0.383	4.471	0.750	23.263	3.903	0.806	0.135	0.373	0.063	0.024	0.004
88	0.076	0.013	2.030	0.360	3.944	0.699	21.381	3.791	0.855	0.152	0.494	0.088	0.042	0.007
89	0.062	0.010	2.189	0.345	4.500	0.710	25.140	3.965	0.821	0.129	0.318	0.050	0.027	0.004
90	0.050	0.008	1.993	0.324	4.214	0.684	26.853	4.359	0.843	0.137	0.308	0.050	0.033	0.005
91	Found dead													
92	0.064	0.010	2.229	0.357	5.218	0.835	20.937	3.350	0.823	0.132	0.287	0.046	0.040	0.006
93	0.047	0.007	2.121	0.327	4.408	0.679	23.574	3.632	0.711	0.110	0.428	0.066	0.039	0.006
94	0.051	0.007	2.226	0.318	5.185	0.740	27.316	3.897	0.846	0.121	0.523	0.075	0.031	0.004
95	0.057	0.009	2.078	0.323	4.317	0.670	24.053	3.735	1.037	0.161	0.406	0.063	0.032	0.005
96	0.069	0.011	2.026	0.316	4.334	0.675	22.683	3.533	0.910	0.142	0.409	0.064	0.026	0.004
97	0.063	0.010	2.035	0.324	3.869	0.615	20.575	3.271	0.840	0.134	0.288	0.046	0.039	0.006
98	0.058	0.010	2.161	0.372	4.479	0.771	21.922	3.773	0.804	0.138	0.404	0.070	0.037	0.006

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
85	0.725	0.097	0.733	0.098	0.020	0.003	0.674	0.090	1.766	0.237	1.794	0.240	1.900	0.255
86	0.628	0.097	0.613	0.095	0.017	0.003	0.922	0.143	1.773	0.274	1.738	0.269	1.721	0.266
87	0.705	0.118	0.635	0.107	0.023	0.004	0.500	0.084	2.361	0.396	1.484	0.249	1.437	0.241
88	0.774	0.137	0.720	0.128	0.018	0.003	0.551	0.098	2.515	0.446	1.893	0.336	1.892	0.335
89	0.633	0.100	0.627	0.099	0.015	0.002	0.679	0.107	2.343	0.370	1.893	0.299	1.771	0.279
90	0.597	0.097	0.625	0.101	0.022	0.004	0.584	0.095	2.110	0.343	1.673	0.272	1.728	0.281
91	Found dead													
92	0.696	0.111	0.793	0.127	0.019	0.003	0.608	0.097	2.254	0.361	1.917	0.307	1.885	0.302
93	0.635	0.098	0.684	0.105	0.019	0.003	0.695	0.107	2.528	0.390	1.669	0.257	1.720	0.265
94	0.759	0.108	0.702	0.100	0.021	0.003	0.745	0.106	2.009	0.287	1.995	0.285	2.023	0.289
95	0.650	0.101	0.703	0.109	0.019	0.003	0.436	0.068	2.359	0.366	1.863	0.289	1.870	0.290
96	0.696	0.108	0.632	0.098	0.019	0.003	0.735	0.114	2.489	0.388	1.834	0.286	1.840	0.287
97	0.643	0.102	0.696	0.111	0.016	0.003	0.520	0.083	2.459	0.391	1.884	0.300	1.909	0.303
98	0.633	0.109	0.628	0.108	0.028	0.005	0.424	0.073	2.254	0.388	1.796	0.309	1.792	0.308

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
99	0.070	0.013	2.109	0.400	3.604	0.684	17.134	3.251	0.567	0.108	0.321	0.061	0.039	0.007
100	0.066	0.011	2.270	0.382	4.000	0.673	23.394	3.938	0.888	0.149	0.372	0.063	0.042	0.007
101	0.059	0.009	2.175	0.329	5.088	0.770	25.060	3.791	0.693	0.105	0.332	0.050	0.029	0.004
102	0.067	0.009	2.271	0.318	4.552	0.638	27.628	3.869	0.764	0.107	0.455	0.064	0.029	0.004
103	0.042	0.008	2.082	0.394	4.078	0.771	20.016	3.784	1.349	0.255	0.393	0.074	0.036	0.007
104	0.061	0.013	2.059	0.426	3.497	0.724	17.057	3.531	0.513	0.106	0.267	0.055	0.049	0.010
105	0.062	0.010	2.139	0.359	4.547	0.764	23.836	4.006	0.833	0.140	0.304	0.051	0.026	0.004
106	0.054	0.010	2.064	0.384	4.102	0.762	21.551	4.006	0.949	0.176	0.303	0.056	0.030	0.006
107	0.063	0.009	2.130	0.303	5.216	0.742	25.643	3.648	0.920	0.131	0.531	0.076	0.047	0.007
108	0.063	0.010	2.206	0.352	4.044	0.645	22.203	3.541	0.854	0.136	0.360	0.057	0.040	0.006
109	0.061	0.010	2.167	0.358	4.568	0.754	23.585	3.892	0.727	0.120	0.376	0.062	0.025	0.004
110	0.041	0.007	2.151	0.388	4.692	0.847	21.950	3.962	0.884	0.160	0.314	0.057	0.032	0.006
111	0.069	0.011	2.153	0.344	4.090	0.653	26.547	4.241	0.896	0.143	0.456	0.073	0.037	0.006
112	0.062	0.010	2.176	0.366	4.728	0.795	23.940	4.024	0.974	0.164	0.369	0.062	0.040	0.007

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
99	0.677	0.128	0.706	0.134	0.016	0.003	0.592	0.112	3.218	0.611	1.803	0.342	1.813	0.344
100	0.677	0.114	0.669	0.113	0.012	0.002	0.595	0.100	1.604	0.270	1.830	0.308	1.796	0.302
101	0.676	0.102	0.677	0.102	0.028	0.004	0.675	0.102	2.578	0.390	1.741	0.263	1.716	0.260
102	0.850	0.119	0.790	0.111	0.017	0.002	0.641	0.090	2.356	0.330	2.192	0.307	2.127	0.298
103	0.604	0.114	0.554	0.105	0.023	0.004	0.594	0.112	2.461	0.465	1.603	0.303	1.616	0.305
104	0.609	0.126	0.593	0.123	0.015	0.003	0.553	0.114	1.755	0.363	1.831	0.379	1.729	0.358
105	0.703	0.118	0.687	0.115	0.024	0.004	0.603	0.101	1.888	0.317	1.885	0.317	1.894	0.318
106	0.764	0.142	0.661	0.123	0.026	0.005	0.642	0.119	2.506	0.466	1.760	0.327	1.765	0.328
107	0.605	0.086	0.631	0.090	0.022	0.003	1.074	0.153	2.008	0.286	1.842	0.262	1.790	0.255
108	0.709	0.113	0.738	0.118	0.018	0.003	0.668	0.107	2.474	0.395	1.924	0.307	1.877	0.299
109	0.770	0.127	0.714	0.118	0.016	0.003	0.843	0.139	2.856	0.471	1.803	0.298	1.727	0.285
110	0.730	0.132	0.774	0.140	0.021	0.004	0.847	0.153	2.952	0.533	2.074	0.374	2.052	0.370
111	0.583	0.093	0.582	0.093	0.018	0.003	0.479	0.077	2.547	0.407	1.704	0.272	1.662	0.265
112	0.719	0.121	0.690	0.116	0.020	0.003	0.570	0.096	2.622	0.441	1.754	0.295	1.759	0.296

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males

(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
225	0.062	0.010	1.913	0.298	3.043	0.475	21.701	3.385	0.799	0.125	0.569	0.089	0.013	0.002
226	0.072	0.010	2.195	0.312	4.463	0.635	25.152	3.578	0.928	0.132	0.549	0.078	0.027	0.004
227	0.086	0.012	2.206	0.296	4.526	0.608	29.137	3.911	0.861	0.116	0.401	0.054	0.009	0.001
228	0.066	0.011	1.988	0.335	3.449	0.581	22.324	3.758	0.750	0.126	0.448	0.075	0.008	0.001
229	0.068	0.012	2.107	0.380	3.680	0.664	21.283	3.842	0.776	0.140	0.469	0.085	0.013	0.002
230	0.062	0.010	2.095	0.348	4.211	0.700	25.120	4.173	0.781	0.130	0.332	0.055	0.023	0.004
231	0.064	0.014	1.992	0.420	2.796	0.590	14.972	3.159	0.771	0.163	0.416	0.088	0.014	0.003
232	Found dead													
233	0.062	0.009	2.238	0.343	4.246	0.650	23.444	3.590	0.869	0.133	0.296	0.045	0.014	0.002
234	0.058	0.009	2.166	0.344	4.526	0.720	20.785	3.304	0.914	0.145	0.286	0.045	0.009	0.001
235	0.069	0.010	2.136	0.312	4.327	0.632	22.566	3.294	0.729	0.106	0.505	0.074	0.018	0.003
236	0.063	0.011	2.066	0.357	4.290	0.741	22.823	3.942	0.762	0.132	0.238	0.041	0.012	0.002
237	0.059	0.010	2.119	0.342	4.165	0.673	21.921	3.541	0.997	0.161	0.574	0.093	0.021	0.003
238	0.069	0.011	1.960	0.300	4.293	0.657	22.307	3.416	0.938	0.144	0.424	0.065	0.015	0.002

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
225	0.657	0.102	0.685	0.107	0.011	0.002	0.573	0.089	4.345	0.678	1.841	0.287	1.831	0.286
226	0.757	0.108	0.720	0.102	0.027	0.004	0.547	0.078	3.050	0.434	1.892	0.269	1.758	0.250
227	0.763	0.102	0.765	0.103	0.028	0.004	0.986	0.132	3.350	0.450	1.812	0.243	1.793	0.241
228	0.773	0.130	0.773	0.130	0.011	0.002	0.502	0.085	2.174	0.366	1.981	0.334	1.985	0.334
229	0.919	0.166	0.907	0.164	0.021	0.004	0.841	0.152	2.588	0.467	1.891	0.341	1.886	0.340
230	0.679	0.113	0.726	0.121	0.019	0.003	0.741	0.123	2.912	0.484	1.950	0.324	1.876	0.312
231	0.670	0.141	0.690	0.146	0.009	0.002	0.545	0.115	2.021	0.426	1.681	0.355	1.751	0.369
232	Found dead													
233	0.639	0.098	0.726	0.111	0.017	0.003	0.310	0.047	2.237	0.343	1.895	0.290	1.910	0.292
234	0.745	0.118	0.753	0.120	0.009	0.001	0.871	0.138	2.281	0.363	2.011	0.320	1.960	0.312
235	0.740	0.108	0.868	0.127	0.011	0.002	0.966	0.141	3.201	0.467	1.966	0.287	1.980	0.289
236	0.748	0.129	0.775	0.134	0.011	0.002	0.852	0.147	2.519	0.435	2.196	0.379	2.163	0.374
237	0.620	0.100	0.682	0.110	0.017	0.003	0.905	0.146	2.613	0.422	1.735	0.280	1.786	0.289
238	0.686	0.105	0.629	0.096	0.018	0.003	0.769	0.118	3.183	0.487	1.797	0.275	1.742	0.267

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
239	0.046	0.008	2.255	0.416	4.233	0.781	20.596	3.800	0.782	0.144	0.438	0.081	0.024	0.004
240	0.078	0.014	1.975	0.353	3.760	0.671	18.752	3.349	0.775	0.138	0.446	0.080	0.019	0.003
241	0.056	0.009	2.046	0.327	3.528	0.564	23.780	3.805	1.079	0.173	0.358	0.057	0.025	0.004
242	0.046	0.008	1.986	0.358	3.605	0.651	18.049	3.258	0.875	0.158	0.404	0.073	0.016	0.003
243	0.061	0.012	1.975	0.389	3.506	0.690	15.399	3.031	0.688	0.135	0.313	0.062	0.011	0.002
244	0.061	0.011	1.958	0.344	3.583	0.629	18.429	3.233	0.701	0.123	0.455	0.080	0.012	0.002
245	0.060	0.010	2.173	0.357	3.971	0.652	22.070	3.624	0.825	0.135	0.452	0.074	0.017	0.003
246	0.066	0.011	2.121	0.340	3.569	0.573	20.416	3.277	0.823	0.132	0.555	0.089	0.019	0.003
247	0.059	0.008	2.132	0.302	4.487	0.636	26.373	3.736	0.932	0.132	0.497	0.070	0.022	0.003
248	0.056	0.009	1.989	0.317	4.152	0.661	23.478	3.739	0.929	0.148	0.546	0.087	0.015	0.002
249	0.040	0.007	1.991	0.331	3.403	0.565	22.258	3.697	0.880	0.146	0.523	0.087	0.018	0.003
250	0.057	0.009	2.110	0.332	4.165	0.656	22.006	3.466	1.004	0.158	0.436	0.069	0.013	0.002
251	0.050	0.008	2.160	0.332	4.801	0.739	27.394	4.214	0.826	0.127	0.386	0.059	0.017	0.003
252	0.055	0.007	1.892	0.251	4.245	0.563	27.636	3.665	0.921	0.122	0.535	0.071	0.020	0.003

+ = Percentage of bodyweight

Appendix 27 (continued) **Individual Organ Weights (g) – Males**

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
239	0.857	0.158	0.952	0.176	0.008	0.001	0.454	0.084	3.111	0.574	1.970	0.363	1.996	0.368
240	0.556	0.099	0.573	0.102	0.018	0.003	0.776	0.139	2.573	0.459	1.734	0.310	1.729	0.309
241	0.684	0.109	0.754	0.121	0.012	0.002	0.717	0.115	2.515	0.402	1.956	0.313	2.137	0.342
242	0.658	0.119	0.693	0.125	0.015	0.003	0.606	0.109	2.932	0.529	1.776	0.321	1.795	0.324
243	0.648	0.128	0.687	0.135	0.010	0.002	0.494	0.097	2.357	0.464	1.881	0.370	1.963	0.386
244	0.737	0.129	0.667	0.117	0.018	0.003	0.669	0.117	2.221	0.390	1.794	0.315	1.876	0.329
245	0.692	0.114	0.642	0.105	0.009	0.001	0.771	0.127	2.404	0.395	1.773	0.291	1.793	0.294
246	0.784	0.126	0.748	0.120	0.011	0.002	0.689	0.111	2.473	0.397	1.963	0.315	2.014	0.323
247	0.712	0.101	0.687	0.097	0.018	0.003	0.668	0.095	3.226	0.457	2.061	0.292	2.062	0.292
248	0.726	0.116	0.764	0.122	0.017	0.003	0.677	0.108	2.704	0.431	1.834	0.292	1.794	0.286
249	0.746	0.124	0.747	0.124	0.013	0.002	0.928	0.154	2.406	0.400	1.948	0.324	1.974	0.328
250	0.734	0.116	0.696	0.110	0.013	0.002	0.846	0.133	3.301	0.520	2.082	0.328	2.100	0.331
251	0.735	0.113	0.718	0.110	0.019	0.003	0.467	0.072	2.814	0.433	2.300	0.354	3.168	0.487
252	0.586	0.078	0.641	0.085	0.009	0.001	0.858	0.114	3.049	0.404	1.931	0.256	1.976	0.262

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
253	0.040	0.006	2.116	0.324	4.014	0.614	21.894	3.348	0.747	0.114	0.285	0.044	0.019	0.003
254	0.066	0.012	2.098	0.389	3.343	0.619	16.666	3.086	0.840	0.156	0.501	0.093	0.015	0.003
255	0.066	0.011	2.163	0.348	4.374	0.703	25.022	4.023	0.848	0.136	0.378	0.061	0.010	0.002
256	0.047	0.008	1.781	0.289	4.249	0.690	27.829	4.518	0.825	0.134	0.502	0.081	0.020	0.003
257	0.065	0.011	2.156	0.357	4.315	0.714	24.044	3.981	0.861	0.143	0.512	0.085	0.014	0.002
258	0.050	0.009	2.007	0.347	3.489	0.604	19.842	3.433	0.868	0.150	0.472	0.082	0.023	0.004
259	0.079	0.013	2.007	0.338	4.123	0.695	20.716	3.493	0.771	0.130	0.457	0.077	0.017	0.003
260	0.058	0.008	2.146	0.311	4.466	0.647	26.984	3.911	0.911	0.132	0.326	0.047	0.029	0.004
261	0.067	0.012	1.987	0.362	3.156	0.575	19.910	3.627	0.773	0.141	0.331	0.060	0.010	0.002
262	0.075	0.013	1.958	0.332	4.004	0.679	23.696	4.016	0.955	0.162	0.500	0.085	0.024	0.004
263	0.049	0.009	1.932	0.353	3.710	0.678	23.120	4.227	0.859	0.157	0.421	0.077	0.025	0.005
264	0.047	0.010	2.055	0.447	3.570	0.776	17.058	3.708	0.735	0.160	0.342	0.074	0.019	0.004
265	0.048	0.011	1.900	0.424	3.219	0.719	16.024	3.577	0.696	0.155	0.344	0.077	0.018	0.004
266	0.049	0.007	2.116	0.324	4.868	0.744	25.907	3.961	0.932	0.143	0.485	0.074	0.027	0.004

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
253	0.833	0.127	0.830	0.127	0.026	0.004	0.736	0.113	2.897	0.443	1.841	0.281	1.844	0.282
254	0.685	0.127	0.692	0.128	0.017	0.003	0.430	0.080	2.685	0.497	1.660	0.307	1.700	0.315
255	0.685	0.110	0.733	0.118	0.015	0.002	0.759	0.122	2.630	0.423	1.775	0.285	1.779	0.286
256	0.755	0.123	0.808	0.131	0.010	0.002	0.666	0.108	2.906	0.472	1.940	0.315	1.961	0.318
257	0.758	0.125	0.740	0.123	0.009	0.001	1.065	0.176	2.645	0.438	2.001	0.331	1.871	0.310
258	0.730	0.126	0.676	0.117	0.009	0.002	0.662	0.115	2.103	0.364	1.703	0.295	1.727	0.299
259	0.777	0.131	0.817	0.138	0.008	0.001	0.765	0.129	2.389	0.403	2.269	0.383	2.270	0.383
260	0.557	0.081	0.672	0.097	0.016	0.002	0.743	0.108	2.809	0.407	1.716	0.249	1.715	0.249
261	0.581	0.106	0.647	0.118	0.007	0.001	0.542	0.099	2.157	0.393	1.687	0.307	1.680	0.306
262	0.572	0.097	0.642	0.109	0.008	0.001	0.492	0.083	2.331	0.395	1.561	0.265	1.606	0.272
263	0.821	0.150	0.819	0.150	0.011	0.002	0.648	0.118	2.659	0.486	2.037	0.372	2.095	0.383
264	0.711	0.155	0.735	0.160	0.012	0.003	0.753	0.164	2.454	0.533	1.895	0.412	1.925	0.418
265	0.660	0.147	0.692	0.154	0.010	0.002	0.720	0.161	1.945	0.434	1.527	0.341	1.529	0.341
266	0.757	0.116	0.719	0.110	0.010	0.002	0.669	0.102	2.907	0.444	1.735	0.265	1.764	0.270

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
267	0.085	0.014	2.129	0.345	4.331	0.702	24.913	4.038	0.918	0.149	0.441	0.071	0.034	0.006
268	0.063	0.012	1.853	0.366	3.366	0.665	17.764	3.511	0.721	0.142	0.379	0.075	0.015	0.003
269	0.048	0.009	1.936	0.363	3.406	0.639	19.217	3.605	0.863	0.162	0.621	0.117	0.020	0.004
270	0.062	0.009	2.101	0.321	4.533	0.693	21.012	3.213	0.835	0.128	0.401	0.061	0.032	0.005
271	0.048	0.008	1.989	0.351	3.302	0.583	18.719	3.307	1.046	0.185	0.139	0.025	0.021	0.004
272	0.056	0.011	1.966	0.375	3.282	0.626	15.845	3.024	0.649	0.124	0.256	0.049	0.022	0.004
273	0.048	0.007	2.156	0.305	4.760	0.672	27.855	3.934	1.184	0.167	0.563	0.080	0.018	0.003
274	0.045	0.008	2.052	0.353	3.463	0.595	18.644	3.203	0.672	0.115	0.415	0.071	0.019	0.003
275	0.056	0.010	2.073	0.371	3.466	0.620	19.650	3.515	0.825	0.148	0.358	0.064	0.030	0.005
276	0.061	0.009	1.897	0.292	3.814	0.587	26.248	4.038	0.990	0.152	0.521	0.080	0.019	0.003
277	0.072	0.014	2.221	0.417	3.526	0.662	20.110	3.773	0.748	0.140	0.448	0.084	0.022	0.004
278	0.051	0.008	2.090	0.324	3.885	0.602	23.551	3.651	1.014	0.157	0.503	0.078	0.017	0.003
279	0.079	0.013	2.018	0.328	4.144	0.674	21.438	3.486	0.774	0.126	0.420	0.068	0.012	0.002
280	0.064	0.011	2.036	0.345	3.873	0.655	20.523	3.473	0.764	0.129	0.325	0.055	0.018	0.003

+ = Percentage of bodyweight

Appendix 27 (continued) **Individual Organ Weights (g) – Males**

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
267	0.722	0.117	0.704	0.114	0.024	0.004	0.705	0.114	1.528	0.248	1.920	0.311	1.954	0.317
268	0.822	0.162	0.774	0.153	0.010	0.002	0.925	0.183	1.872	0.370	1.951	0.386	1.979	0.391
269	1.751	0.329	0.714	0.134	0.017	0.003	0.815	0.153	2.396	0.450	0.648	0.122	1.785	0.335
270	0.612	0.094	0.753	0.115	0.015	0.002	0.845	0.129	2.379	0.364	2.231	0.341	2.230	0.341
271	0.625	0.110	0.651	0.115	0.014	0.002	0.672	0.119	2.357	0.416	1.654	0.292	1.768	0.312
272	0.627	0.120	1.735	0.331	0.011	0.002	0.708	0.135	1.662	0.317	1.670	0.319	0.619	0.118
273	0.589	0.083	0.699	0.099	0.009	0.001	0.761	0.107	2.677	0.378	1.739	0.246	1.770	0.250
274	0.611	0.105	0.636	0.109	0.013	0.002	0.839	0.144	1.997	0.343	1.870	0.321	1.856	0.319
275	0.692	0.124	0.661	0.118	0.013	0.002	0.844	0.151	2.836	0.507	1.941	0.347	1.956	0.350
276	0.661	0.102	0.722	0.111	0.009	0.001	0.832	0.128	2.654	0.408	1.854	0.285	1.894	0.291
277	0.605	0.114	0.672	0.126	0.007	0.001	0.616	0.116	2.395	0.449	1.801	0.338	1.839	0.345
278	0.562	0.087	0.848	0.131	0.007	0.001	0.665	0.103	2.863	0.444	1.700	0.264	1.603	0.249
279	0.689	0.112	0.801	0.130	0.017	0.003	0.905	0.147	2.626	0.427	1.821	0.296	1.871	0.304
280	0.687	0.116	0.744	0.126	0.011	0.002	0.834	0.141	2.392	0.405	1.821	0.308	1.855	0.314

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
281	0.049	0.007	2.040	0.296	3.611	0.524	24.229	3.517	1.013	0.147	0.415	0.060	0.011	0.002
282	0.052	0.010	2.046	0.380	3.425	0.635	20.406	3.786	0.680	0.126	0.307	0.057	0.018	0.003
283	0.052	0.009	2.189	0.383	3.931	0.688	23.074	4.041	0.749	0.131	0.426	0.075	0.016	0.003
284	0.054	0.009	1.964	0.331	3.611	0.608	23.415	3.942	0.706	0.119	0.496	0.084	0.017	0.003
285	0.067	0.010	2.063	0.315	4.289	0.656	25.177	3.850	0.877	0.134	0.563	0.086	0.024	0.004
286	0.053	0.010	2.038	0.395	3.575	0.693	18.828	3.649	0.703	0.136	0.375	0.073	0.019	0.004
287	0.066	0.013	2.068	0.396	3.206	0.614	20.030	3.837	0.705	0.135	0.592	0.113	0.014	0.003
288	0.066	0.011	2.075	0.330	4.181	0.666	24.543	3.908	0.774	0.123	0.419	0.067	0.041	0.007
289	0.061	0.009	1.908	0.293	4.315	0.662	23.569	3.615	0.645	0.099	0.570	0.087	0.021	0.003
290	0.049	0.009	2.001	0.387	3.498	0.677	14.050	2.718	0.700	0.135	0.468	0.091	0.023	0.004
291	0.057	0.008	2.154	0.315	4.593	0.671	24.493	3.581	1.049	0.153	0.598	0.087	0.027	0.004
292	0.037	0.006	2.092	0.341	3.813	0.621	25.174	4.100	0.793	0.129	0.477	0.078	0.024	0.004
293	0.068	0.010	2.155	0.308	5.263	0.752	30.403	4.343	1.368	0.195	0.670	0.096	0.017	0.002
294	0.074	0.014	2.063	0.378	4.424	0.810	21.022	3.850	0.806	0.148	0.433	0.079	0.016	0.003

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
281	0.722	0.105	0.690	0.100	0.020	0.003	0.615	0.089	2.796	0.406	1.811	0.263	1.764	0.256
282	0.803	0.149	0.920	0.171	0.023	0.004	0.490	0.091	2.461	0.457	1.846	0.342	1.914	0.355
283	0.706	0.124	0.753	0.132	0.027	0.005	0.554	0.097	2.367	0.415	1.715	0.300	1.733	0.304
284	0.736	0.124	0.650	0.109	0.011	0.002	0.693	0.117	2.306	0.388	1.777	0.299	1.842	0.310
285	0.599	0.092	0.717	0.110	0.010	0.002	0.536	0.082	2.399	0.367	1.757	0.269	1.733	0.265
286	0.614	0.119	0.620	0.120	0.009	0.002	0.532	0.103	1.997	0.387	1.767	0.342	1.803	0.349
287	0.665	0.127	0.724	0.139	0.014	0.003	0.514	0.098	2.305	0.442	1.562	0.299	1.558	0.298
288	0.747	0.119	0.679	0.108	0.017	0.003	0.733	0.117	2.056	0.327	1.873	0.298	1.922	0.306
289	0.714	0.110	0.654	0.100	0.013	0.002	0.823	0.126	2.863	0.439	1.789	0.274	1.788	0.274
290	0.746	0.144	0.894	0.173	0.010	0.002	0.653	0.126	2.649	0.512	1.712	0.331	1.817	0.351
291	0.650	0.095	0.687	0.100	0.012	0.002	0.754	0.110	2.101	0.307	2.209	0.323	2.213	0.324
292	0.757	0.123	0.804	0.131	0.018	0.003	0.939	0.153	2.742	0.447	2.045	0.333	2.036	0.332
293	0.788	0.113	0.372	0.053	0.016	0.002	0.586	0.084	2.257	0.322	1.692	0.242	0.986	0.141
294	0.923	0.169	0.762	0.140	0.012	0.002	0.594	0.109	2.597	0.476	1.859	0.340	1.857	0.340

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
295	0.049	0.009	2.001	0.350	3.729	0.652	20.853	3.646	0.880	0.154	0.372	0.065	0.021	0.004
296	0.054	0.009	2.134	0.339	4.610	0.732	24.493	3.888	1.267	0.201	0.417	0.066	0.012	0.002
297	0.062	0.009	2.143	0.314	4.303	0.631	25.324	3.713	0.811	0.119	0.438	0.064	0.017	0.002
298	0.051	0.009	1.976	0.366	3.399	0.629	16.497	3.055	0.734	0.136	0.380	0.070	0.018	0.003
299	0.069	0.011	2.118	0.351	4.145	0.686	20.649	3.419	0.790	0.131	0.554	0.092	0.016	0.003
300	0.065	0.010	1.950	0.308	4.455	0.703	22.060	3.479	0.914	0.144	0.465	0.073	0.016	0.003
301	0.060	0.008	2.266	0.307	4.785	0.647	21.119	2.858	1.088	0.147	0.595	0.081	0.019	0.003
302	0.074	0.012	2.132	0.339	4.916	0.783	24.122	3.841	0.740	0.118	0.327	0.052	0.019	0.003
303	0.052	0.010	2.098	0.386	3.353	0.616	20.396	3.749	0.854	0.157	0.290	0.053	0.022	0.004
304	0.071	0.013	2.021	0.366	3.522	0.638	22.340	4.047	0.905	0.164	0.509	0.092	0.021	0.004
305	0.062	0.010	1.991	0.330	3.924	0.651	20.472	3.395	0.705	0.117	0.343	0.057	0.022	0.004
306	0.049	0.010	1.867	0.396	3.103	0.659	18.123	3.848	0.808	0.172	0.401	0.085	0.022	0.005
307	0.066	0.013	1.896	0.368	3.591	0.697	21.426	4.160	0.806	0.157	0.277	0.054	0.030	0.006
308	0.070	0.011	2.106	0.317	4.194	0.631	23.190	3.487	1.142	0.172	0.494	0.074	0.030	0.005

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
295	0.800	0.140	0.777	0.136	0.010	0.002	0.642	0.112	2.305	0.403	1.866	0.326	1.744	0.305
296	0.913	0.145	0.910	0.144	0.015	0.002	0.666	0.106	2.794	0.443	2.024	0.321	1.980	0.314
297	0.622	0.091	0.713	0.105	0.009	0.001	0.962	0.141	2.351	0.345	1.795	0.263	1.882	0.276
298	0.625	0.116	0.637	0.118	0.009	0.002	0.448	0.083	2.006	0.371	1.648	0.305	1.693	0.314
299	0.716	0.119	0.828	0.137	0.010	0.002	0.314	0.052	2.204	0.365	2.030	0.336	2.037	0.337
300	0.670	0.106	0.726	0.115	0.007	0.001	0.397	0.063	2.666	0.421	2.009	0.317	2.117	0.334
301	0.827	0.112	0.795	0.108	0.013	0.002	0.751	0.102	2.384	0.323	2.057	0.278	2.035	0.275
302	0.733	0.117	0.810	0.129	0.014	0.002	0.824	0.131	2.653	0.422	2.076	0.331	2.068	0.329
303	0.561	0.103	0.600	0.110	0.016	0.003	0.891	0.164	2.551	0.469	1.608	0.296	1.654	0.304
304	0.690	0.125	0.677	0.123	0.010	0.002	0.985	0.178	2.045	0.370	1.611	0.292	1.691	0.306
305	0.689	0.114	0.689	0.114	0.010	0.002	0.790	0.131	1.900	0.315	1.871	0.310	2.023	0.335
306	0.620	0.132	0.681	0.145	0.009	0.002	0.475	0.101	1.602	0.340	1.913	0.406	1.954	0.415
307	0.674	0.131	0.636	0.123	0.016	0.003	0.530	0.103	2.281	0.443	1.672	0.325	1.642	0.319
308	0.840	0.126	0.812	0.122	0.017	0.003	0.982	0.148	2.739	0.412	1.985	0.298	2.054	0.309

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
309	0.060	0.007	2.139	0.263	4.599	0.566	33.683	4.143	0.994	0.122	0.421	0.052	0.014	0.002
310	0.064	0.010	2.126	0.338	3.889	0.618	23.686	3.766	0.957	0.152	0.307	0.049	0.013	0.002
311	0.088	0.015	2.048	0.358	4.374	0.765	24.029	4.201	0.568	0.099	0.360	0.063	0.010	0.002
312	0.060	0.010	2.180	0.360	4.054	0.670	22.473	3.715	0.748	0.124	0.478	0.079	0.016	0.003
313	0.057	0.011	2.097	0.408	3.513	0.683	21.028	4.091	0.812	0.158	0.445	0.087	0.029	0.006
314	0.055	0.011	1.913	0.366	4.453	0.851	22.621	4.325	0.823	0.157	0.523	0.100	0.019	0.004
315	0.064	0.011	1.891	0.338	3.645	0.652	21.060	3.767	0.838	0.150	0.542	0.097	0.016	0.003
316	0.062	0.010	2.132	0.342	5.035	0.807	27.142	4.350	0.971	0.156	0.556	0.089	0.019	0.003
317	0.087	0.014	2.081	0.327	5.067	0.795	26.837	4.213	0.888	0.139	0.439	0.069	0.026	0.004
318	0.085	0.015	1.727	0.304	3.663	0.645	21.945	3.864	0.839	0.148	0.625	0.110	0.012	0.002
319	0.081	0.018	2.041	0.461	3.130	0.707	12.685	2.863	0.590	0.133	0.531	0.120	0.018	0.004
320	0.084	0.014	2.084	0.342	4.495	0.737	27.733	4.546	0.860	0.141	0.336	0.055	0.022	0.004
321	0.049	0.010	1.870	0.364	3.450	0.671	18.050	3.512	0.644	0.125	0.586	0.114	0.018	0.004
322	0.037	0.007	1.949	0.352	4.062	0.735	19.751	3.572	0.797	0.144	0.671	0.121	0.021	0.004

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
309	0.911	0.112	0.904	0.111	0.018	0.002	0.308	0.038	2.536	0.312	1.820	0.224	1.899	0.234
310	0.870	0.138	0.851	0.135	0.027	0.004	0.453	0.072	2.130	0.339	1.915	0.304	1.907	0.303
311	0.749	0.131	0.665	0.116	0.013	0.002	0.434	0.076	2.499	0.437	1.554	0.272	1.560	0.273
312	0.835	0.138	0.847	0.140	0.013	0.002	0.921	0.152	2.272	0.376	1.904	0.315	1.919	0.317
313	0.815	0.159	0.895	0.174	0.025	0.005	0.639	0.124	2.096	0.408	1.805	0.351	1.882	0.366
314	0.896	0.171	0.831	0.159	0.019	0.004	0.572	0.109	2.311	0.442	1.794	0.343	1.779	0.340
315	0.625	0.112	0.592	0.106	0.011	0.002	0.230	0.041	1.964	0.351	1.628	0.291	1.646	0.294
316	0.672	0.108	0.699	0.112	0.017	0.003	0.592	0.095	2.550	0.409	1.926	0.309	1.940	0.311
317	0.661	0.104	0.693	0.109	0.012	0.002	0.655	0.103	2.403	0.377	2.031	0.319	2.120	0.333
318	0.522	0.092	0.571	0.101	0.012	0.002	0.443	0.078	2.421	0.426	1.607	0.283	1.581	0.278
319	0.575	0.130	0.567	0.128	0.016	0.004	0.281	0.063	1.363	0.308	1.622	0.366	1.669	0.377
320	0.741	0.121	0.758	0.124	0.019	0.003	0.640	0.105	2.128	0.349	1.830	0.300	1.883	0.309
321	0.579	0.113	0.636	0.124	0.017	0.003	0.578	0.112	1.708	0.332	1.850	0.360	1.882	0.366
322	0.746	0.135	0.814	0.147	0.017	0.003	0.748	0.135	1.801	0.326	1.865	0.337	1.899	0.343

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Adrenals		Brain		Kidneys		Liver		Spleen		Thymus		Thyroid	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
323	0.045	0.009	2.059	0.404	4.913	0.963	22.258	4.364	0.900	0.176	0.398	0.078	0.012	0.002
324	0.068	0.012	1.983	0.363	4.440	0.813	19.132	3.504	0.742	0.136	0.240	0.044	0.015	0.003
325	0.075	0.015	1.891	0.379	3.642	0.730	19.697	3.947	0.754	0.151	0.451	0.090	0.028	0.006
326	0.064	0.013	1.971	0.390	3.780	0.749	20.548	4.069	0.731	0.145	0.372	0.074	0.023	0.005
327	0.070	0.011	2.106	0.342	4.610	0.750	28.001	4.553	0.814	0.132	0.582	0.095	0.017	0.003
328	0.055	0.010	2.004	0.357	4.421	0.787	24.752	4.404	0.991	0.176	0.336	0.060	0.015	0.003
329	0.067	0.011	2.009	0.322	5.061	0.811	27.487	4.405	0.774	0.124	0.595	0.095	0.023	0.004
330	0.046	0.007	2.210	0.343	4.703	0.730	27.708	4.302	0.967	0.150	0.605	0.094	0.019	0.003
331	0.051	0.007	2.182	0.299	4.898	0.672	30.757	4.219	1.017	0.140	0.557	0.076	0.028	0.004
332	0.043	0.009	2.004	0.442	3.084	0.681	17.351	3.830	0.650	0.143	0.261	0.058	0.015	0.003
333	0.045	0.009	1.945	0.392	3.383	0.682	22.117	4.459	0.656	0.132	0.431	0.087	0.017	0.003
334	0.062	0.010	2.050	0.327	4.206	0.672	24.541	3.920	0.766	0.122	0.519	0.083	0.032	0.005
335	0.076	0.013	2.011	0.343	5.150	0.877	25.069	4.271	0.821	0.140	0.512	0.087	0.019	0.003
336	0.070	0.011	2.355	0.358	5.614	0.853	27.405	4.165	1.104	0.168	0.502	0.076	0.031	0.005

+ = Percentage of bodyweight

Appendix 27 (continued) Individual Organ Weights (g) – Males
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male number	Left epididymis		Right epididymis		Pituitary		Prostate		SVCG		Left testis		Right testis	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
323	0.769	0.151	0.742	0.145	0.014	0.003	0.358	0.070	1.747	0.343	2.205	0.432	2.152	0.422
324	0.641	0.117	0.658	0.121	0.019	0.003	0.578	0.106	2.228	0.408	1.659	0.304	1.732	0.317
325	0.584	0.117	0.688	0.138	0.015	0.003	0.774	0.155	2.133	0.427	1.652	0.331	1.732	0.347
326	0.667	0.132	0.661	0.131	0.014	0.003	0.560	0.111	2.481	0.491	1.800	0.356	1.760	0.349
327	0.582	0.095	0.559	0.091	0.019	0.003	1.024	0.167	1.743	0.283	1.918	0.312	1.889	0.307
328	0.676	0.120	0.734	0.131	0.019	0.003	0.582	0.104	2.520	0.448	1.802	0.321	1.870	0.333
329	0.810	0.130	0.806	0.129	0.011	0.002	0.598	0.096	1.948	0.312	1.759	0.282	1.664	0.267
330	0.718	0.111	0.796	0.124	0.015	0.002	0.906	0.141	2.779	0.432	1.880	0.292	1.889	0.293
331	0.715	0.098	0.732	0.100	0.013	0.002	0.907	0.124	3.282	0.450	2.163	0.297	2.120	0.291
332	0.577	0.127	0.584	0.129	0.010	0.002	0.303	0.067	2.263	0.500	1.736	0.383	1.766	0.390
333	0.613	0.124	0.739	0.149	0.017	0.003	0.558	0.113	2.311	0.466	1.719	0.347	1.708	0.344
334	0.653	0.104	0.563	0.090	0.022	0.004	0.411	0.066	2.225	0.355	1.663	0.266	1.691	0.270
335	0.696	0.119	0.709	0.121	0.015	0.003	0.976	0.166	2.759	0.470	1.946	0.332	2.007	0.342
336	0.786	0.119	0.806	0.122	0.017	0.003	0.816	0.124	2.703	0.411	1.955	0.297	1.975	0.300

SVCG = Seminal vesicles and coagulating gland
+ = Percentage of bodyweight

Appendix 28 Individual Organ Weights (g) – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
113	0.118	0.033	1.972	0.552	2.522	0.706	18.664	5.228	0.117	0.033
114	0.090	0.025	1.954	0.546	2.519	0.704	16.645	4.649	0.085	0.024
115	Total litter loss									
116	0.082	0.020	2.132	0.529	2.769	0.687	14.081	3.494	0.154	0.038
117	0.067	0.018	1.956	0.526	2.734	0.735	18.326	4.926	0.078	0.021
118	Not pregnant									
119	0.078	0.024	2.029	0.613	2.484	0.750	15.943	4.817	0.105	0.032
120	0.096	0.027	1.936	0.545	2.568	0.723	21.318	6.005	0.090	0.025
121	0.090	0.024	2.001	0.538	2.792	0.751	16.890	4.540	0.115	0.031
122	Killed *in extremis*									
123	0.090	0.025	1.864	0.518	2.374	0.659	17.087	4.746	0.153	0.042
124	0.088	0.026	1.933	0.567	2.607	0.765	15.659	4.592	0.124	0.036
125	0.092	0.027	2.088	0.611	2.645	0.773	18.579	5.432	0.099	0.029
126	0.091	0.022	1.954	0.480	2.890	0.710	18.376	4.515	0.113	0.028

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
113	0.019	0.005	0.486	0.136	0.141	0.039	0.012	0.003	0.363	0.102
114	0.018	0.005	0.491	0.137	0.195	0.054	0.015	0.004	0.385	0.108
115	Total litter loss									
116	0.021	0.005	0.582	0.144	0.216	0.054	0.012	0.003	0.495	0.123
117	0.015	0.004	0.465	0.125	0.145	0.039	0.011	0.003	0.355	0.095
118	Not pregnant									
119	0.013	0.004	0.631	0.191	0.098	0.030	0.011	0.003	0.419	0.127
120	0.020	0.006	0.649	0.183	0.099	0.028	0.015	0.004	0.397	0.112
121	0.014	0.004	0.700	0.188	0.199	0.053	0.008	0.002	0.529	0.142
122	Killed *in extremis*									
123	0.018	0.005	0.768	0.213	0.259	0.072	0.032	0.009	0.723	0.201
124	0.019	0.006	0.527	0.155	0.181	0.053	0.016	0.005	0.427	0.125
125	0.015	0.004	0.555	0.162	0.149	0.044	0.013	0.004	0.424	0.124
126	0.017	0.004	0.636	0.156	0.228	0.056	0.014	0.003	0.398	0.098

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
127	0.085	0.027	1.963	0.633	2.171	0.700	13.732	4.430	0.127	0.041
128	0.078	0.022	2.051	0.586	2.608	0.745	15.582	4.452	0.125	0.036
129	0.110	0.032	2.062	0.593	2.521	0.724	19.678	5.655	0.107	0.031
130	0.086	0.025	2.018	0.594	2.740	0.806	17.464	5.136	0.116	0.034
131	0.093	0.024	1.943	0.507	2.736	0.714	19.789	5.167	0.105	0.027
132	0.123	0.034	2.117	0.585	2.792	0.771	20.861	5.763	0.100	0.028
133	0.124	0.034	2.003	0.547	2.545	0.695	18.629	5.090	0.108	0.030
134	0.086	0.025	2.004	0.581	2.731	0.792	18.781	5.444	0.101	0.029
135	0.074	0.023	2.003	0.616	2.365	0.728	15.225	4.685	0.136	0.042
136	0.113	0.029	1.908	0.488	2.592	0.663	18.632	4.765	0.132	0.034
137	0.107	0.027	1.948	0.485	2.639	0.656	17.360	4.318	0.135	0.034
138	0.076	0.021	2.078	0.566	2.613	0.712	14.996	4.086	0.115	0.031
139	0.094	0.023	1.735	0.421	2.803	0.680	16.321	3.961	0.179	0.043
140	0.078	0.022	2.018	0.565	2.841	0.796	19.008	5.324	0.104	0.029

+ = Percentage of bodyweight

Appendix 28 (continued) **Individual Organ Weights (g) – Females**

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
127	0.019	0.006	0.597	0.193	0.265	0.085	0.010	0.003	0.549	0.177
128	0.016	0.005	0.612	0.175	0.204	0.058	0.012	0.003	0.598	0.171
129	0.020	0.006	0.575	0.165	0.134	0.039	0.015	0.004	0.387	0.111
130	0.034	0.010	0.601	0.177	0.186	0.055	0.008	0.002	0.503	0.148
131	0.012	0.003	0.466	0.122	0.128	0.033	0.016	0.004	0.388	0.101
132	0.021	0.006	0.619	0.171	0.115	0.032	0.013	0.004	0.380	0.105
133	0.018	0.005	0.617	0.169	0.232	0.063	0.009	0.002	0.580	0.158
134	0.016	0.005	0.610	0.177	0.182	0.053	0.008	0.002	0.286	0.083
135	0.017	0.005	0.575	0.177	0.175	0.054	0.019	0.006	0.798	0.246
136	0.013	0.003	0.552	0.141	0.135	0.035	0.013	0.003	0.352	0.090
137	0.021	0.005	0.570	0.142	0.192	0.048	0.013	0.003	0.367	0.091
138	0.017	0.005	0.659	0.180	0.110	0.030	0.016	0.004	0.437	0.119
139	0.030	0.007	0.836	0.203	0.216	0.052	0.017	0.004	1.079	0.262
140	0.018	0.005	0.618	0.173	0.148	0.041	0.015	0.004	0.626	0.175

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
141	0.101	0.026	1.949	0.498	2.705	0.692	19.054	4.873	0.177	0.045
142	0.109	0.032	1.997	0.584	2.482	0.726	17.386	5.084	0.116	0.034
143	0.090	0.025	2.068	0.563	2.768	0.754	18.648	5.081	0.110	0.030
144	0.089	0.026	1.859	0.548	2.453	0.724	16.112	4.753	0.098	0.029
145	0.095	0.023	1.968	0.481	2.948	0.721	18.215	4.454	0.142	0.035
146	0.074	0.023	2.015	0.630	2.327	0.727	15.874	4.961	0.098	0.031
147	0.099	0.032	1.961	0.635	2.332	0.755	14.552	4.709	0.092	0.030
148	0.063	0.019	1.741	0.528	2.578	0.781	15.317	4.642	0.118	0.036
149	0.092	0.026	2.124	0.590	2.796	0.777	19.047	5.291	0.099	0.028
150	0.084	0.024	1.935	0.553	2.324	0.664	16.242	4.641	0.086	0.025
151	0.087	0.021	1.974	0.471	3.004	0.717	20.247	4.832	0.107	0.026
152	0.082	0.022	1.979	0.528	2.697	0.719	18.597	4.959	0.133	0.035
153	Total litter loss									
154	0.102	0.030	2.030	0.588	2.464	0.714	16.238	4.707	0.148	0.043

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
141	0.013	0.003	0.592	0.151	0.246	0.063	0.018	0.005	0.966	0.247
142	0.015	0.004	0.492	0.144	0.186	0.054	0.014	0.004	0.372	0.109
143	0.018	0.005	0.527	0.144	0.123	0.034	0.009	0.002	0.362	0.099
144	0.013	0.004	0.585	0.173	0.128	0.038	0.016	0.005	0.369	0.109
145	0.016	0.004	0.518	0.127	0.181	0.044	0.016	0.004	0.641	0.157
146	0.023	0.007	0.630	0.197	0.089	0.028	0.018	0.006	0.381	0.119
147	0.017	0.006	0.449	0.145	0.108	0.035	0.011	0.004	0.344	0.111
148	0.023	0.007	0.528	0.160	0.285	0.086	0.022	0.007	0.284	0.086
149	0.021	0.006	0.639	0.178	0.195	0.054	0.021	0.006	0.384	0.107
150	0.019	0.005	0.501	0.143	0.110	0.031	0.016	0.005	0.311	0.089
151	0.015	0.004	0.475	0.113	0.134	0.032	0.026	0.006	0.379	0.090
152	0.020	0.005	0.578	0.154	0.133	0.035	0.010	0.003	0.404	0.108
153	Total litter loss									
154	0.016	0.005	0.538	0.156	0.222	0.064	0.011	0.003	0.420	0.122

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
155	0.091	0.026	1.964	0.556	2.693	0.763	19.325	5.475	0.100	0.028
156	0.091	0.022	2.078	0.504	3.083	0.748	21.152	5.134	0.153	0.037
155	Not pregnant									
158	0.081	0.025	1.986	0.605	2.346	0.715	15.663	4.775	0.124	0.038
159	0.084	0.023	1.874	0.512	2.446	0.668	17.936	4.901	0.121	0.033
160	0.075	0.019	2.075	0.523	2.669	0.672	18.547	4.672	0.090	0.023
161	0.091	0.022	1.933	0.477	2.804	0.692	19.701	4.864	0.132	0.033
162	0.095	0.025	1.926	0.498	2.779	0.718	19.045	4.921	0.103	0.027
163	0.082	0.022	1.978	0.540	2.381	0.651	18.974	5.184	0.085	0.023
164	0.086	0.024	1.928	0.540	2.484	0.696	17.225	4.825	0.119	0.033
165	0.096	0.026	1.936	0.533	2.547	0.702	16.095	4.434	0.144	0.040
166	0.107	0.030	1.929	0.545	2.362	0.667	15.712	4.438	0.085	0.024
167	Not pregnant									
168	0.076	0.022	1.991	0.575	2.715	0.785	18.272	5.281	0.096	0.028

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
155	0.016	0.005	0.637	0.180	0.159	0.045	0.009	0.003	0.391	0.111
156	0.018	0.004	0.764	0.185	0.224	0.054	0.022	0.005	0.596	0.145
157	Not pregnant									
158	0.017	0.005	0.420	0.128	0.103	0.031	0.013	0.004	0.317	0.097
159	0.016	0.004	0.626	0.171	0.199	0.054	0.014	0.004	0.399	0.109
160	0.016	0.004	0.585	0.147	0.235	0.059	0.023	0.006	0.351	0.088
161	0.017	0.004	0.816	0.201	0.209	0.052	0.021	0.005	0.513	0.127
162	0.015	0.004	0.579	0.150	0.057	0.015	0.018	0.005	0.266	0.069
163	0.019	0.005	0.575	0.157	0.148	0.040	0.017	0.005	0.292	0.080
164	0.017	0.005	0.560	0.157	0.168	0.047	0.017	0.005	0.449	0.126
165	0.026	0.007	0.589	0.162	0.161	0.044	0.041	0.011	0.492	0.136
166	0.015	0.004	0.596	0.168	0.129	0.036	0.017	0.005	0.407	0.115
167	Not pregnant									
168	0.010	0.003	0.556	0.161	0.170	0.049	0.025	0.007	0.280	0.081

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
169	0.115	0.032	1.707	0.477	2.595	0.725	17.873	4.992	0.113	0.032
170	0.097	0.028	1.957	0.562	2.611	0.750	18.813	5.406	0.116	0.033
171	0.081	0.021	2.004	0.507	2.428	0.615	16.898	4.278	0.100	0.025
172	0.088	0.026	1.912	0.569	2.428	0.723	16.924	5.037	0.107	0.032
173	0.106	0.026	1.918	0.466	2.936	0.713	18.590	4.512	0.160	0.039
174	0.091	0.025	2.040	0.567	2.645	0.735	18.135	5.038	0.130	0.036
175	0.099	0.026	1.938	0.511	2.457	0.648	19.025	5.020	0.106	0.028
176	0.093	0.027	2.004	0.573	2.395	0.684	16.604	4.744	0.114	0.033
177	0.079	0.021	1.914	0.501	2.434	0.637	18.119	4.743	0.115	0.030
178	0.093	0.026	1.907	0.536	2.493	0.700	16.605	4.664	0.098	0.028
179	0.111	0.031	1.924	0.537	2.797	0.781	18.178	5.078	0.102	0.028
180	0.058	0.015	2.004	0.519	2.721	0.705	17.366	4.499	0.129	0.033
181	Total litter loss									
182	0.080	0.022	1.907	0.525	2.363	0.651	15.753	4.340	0.154	0.042

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
169	0.016	0.004	0.616	0.172	0.146	0.041	0.016	0.004	0.629	0.176
170	0.017	0.005	0.667	0.192	0.183	0.053	0.018	0.005	0.310	0.089
171	0.021	0.005	0.538	0.136	0.127	0.032	0.010	0.003	0.343	0.087
172	0.018	0.005	0.632	0.188	0.121	0.036	0.024	0.007	0.335	0.100
173	0.016	0.004	0.595	0.144	0.201	0.049	0.015	0.004	0.699	0.170
174	0.018	0.005	0.629	0.175	0.123	0.034	0.012	0.003	0.358	0.099
175	0.018	0.005	0.528	0.139	0.179	0.047	0.015	0.004	0.343	0.091
176	0.011	0.003	0.601	0.172	0.208	0.059	0.014	0.004	0.308	0.088
177	0.018	0.005	0.590	0.154	0.124	0.032	0.027	0.007	0.325	0.085
178	0.019	0.005	0.493	0.138	0.134	0.038	0.020	0.006	0.298	0.084
179	0.018	0.005	0.723	0.202	0.194	0.054	0.015	0.004	0.509	0.142
180	0.013	0.003	0.495	0.128	0.242	0.063	0.012	0.003	0.402	0.104
181	Total litter loss									
182	0.018	0.005	0.672	0.185	0.136	0.037	0.026	0.007	0.752	0.207

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
183	0.095	0.024	2.020	0.515	2.679	0.683	18.589	4.742	0.119	0.030
184	0.089	0.024	1.907	0.522	2.424	0.664	15.737	4.312	0.125	0.034
185	0.088	0.026	1.979	0.575	2.393	0.696	16.598	4.825	0.099	0.029
186	0.101	0.030	1.996	0.589	2.373	0.700	17.115	5.049	0.094	0.028
187	Not pregnant									
188	0.101	0.029	1.880	0.537	2.646	0.756	17.185	4.910	0.131	0.037
189	0.097	0.024	1.996	0.502	2.781	0.699	17.711	4.450	0.127	0.032
190	0.074	0.025	1.980	0.662	2.356	0.788	12.005	4.015	0.101	0.034
191	0.098	0.027	1.974	0.539	2.550	0.697	15.453	4.222	0.124	0.034
192	0.117	0.027	1.847	0.426	3.024	0.697	23.430	5.399	0.120	0.028
193	0.099	0.027	2.083	0.572	2.615	0.718	17.005	4.672	0.158	0.043
194	Not pregnant									
195	0.063	0.016	1.862	0.487	2.007	0.525	18.489	4.840	0.097	0.025
196	0.107	0.031	1.995	0.572	2.375	0.681	16.756	4.801	0.130	0.037

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
183	0.011	0.003	0.543	0.139	0.161	0.041	0.021	0.005	0.395	0.101
184	0.015	0.004	0.668	0.183	0.202	0.055	0.016	0.004	0.608	0.167
185	0.014	0.004	0.609	0.177	0.171	0.050	0.026	0.008	0.276	0.080
186	0.011	0.003	0.530	0.156	0.156	0.046	0.014	0.004	0.322	0.095
187	Not pregnant									
188	0.026	0.007	0.883	0.252	0.151	0.043	0.012	0.003	0.559	0.160
189	0.018	0.005	0.741	0.186	0.282	0.071	0.022	0.006	0.622	0.156
190	0.012	0.004	0.506	0.169	0.177	0.059	0.013	0.004	0.331	0.111
191	0.018	0.005	0.476	0.130	0.152	0.042	0.007	0.002	0.264	0.072
192	0.019	0.004	0.656	0.151	0.242	0.056	0.015	0.003	0.364	0.084
193	0.014	0.004	0.695	0.191	0.304	0.084	0.014	0.004	0.486	0.134
194	Not pregnant									
195	0.015	0.004	0.485	0.127	0.279	0.073	0.027	0.007	0.333	0.087
196	0.011	0.003	0.671	0.192	0.123	0.035	0.016	0.005	0.351	0.101

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
197	0.081	0.023	1.989	0.559	2.710	0.761	18.017	5.061	0.093	0.026
198	0.097	0.025	1.904	0.500	2.561	0.672	17.395	4.566	0.062	0.016
199	0.092	0.027	2.056	0.596	2.456	0.712	15.730	4.559	0.080	0.023
200	0.087	0.028	1.822	0.582	2.234	0.714	16.055	5.129	0.086	0.027
201	0.083	0.025	1.844	0.557	2.411	0.728	15.038	4.543	0.115	0.035
202	0.092	0.025	1.837	0.503	2.418	0.662	17.096	4.684	0.098	0.027
203	0.082	0.019	1.972	0.461	2.993	0.699	18.469	4.315	0.107	0.025
204	0.134	0.035	2.013	0.528	2.785	0.731	18.072	4.743	0.143	0.038
205	0.108	0.031	1.986	0.563	2.586	0.733	17.565	4.976	0.093	0.026
206	0.132	0.034	2.157	0.557	2.978	0.770	23.176	5.989	0.113	0.029
207	0.101	0.028	1.985	0.559	2.556	0.720	15.157	4.270	0.138	0.039
208	0.100	0.027	2.060	0.560	2.611	0.710	17.808	4.839	0.113	0.031
209	0.101	0.028	2.034	0.563	2.647	0.733	18.811	5.211	0.109	0.030
210	0.089	0.023	1.914	0.497	2.853	0.741	19.971	5.187	0.115	0.030

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
197	0.010	0.003	0.519	0.146	0.194	0.054	0.020	0.006	0.367	0.103
198	0.021	0.006	0.646	0.170	0.252	0.066	0.012	0.003	0.728	0.191
199	0.013	0.004	0.562	0.163	0.140	0.041	0.016	0.005	0.451	0.131
200	0.014	0.004	0.525	0.168	0.294	0.094	0.011	0.004	0.408	0.130
201	0.021	0.006	0.602	0.182	0.310	0.094	0.016	0.005	0.460	0.139
202	0.012	0.003	0.600	0.164	0.139	0.038	0.006	0.002	0.348	0.095
203	0.021	0.005	0.679	0.159	0.228	0.053	0.016	0.004	0.460	0.107
204	0.019	0.005	0.639	0.168	0.127	0.033	0.024	0.006	0.386	0.101
205	0.016	0.005	0.669	0.190	0.132	0.037	0.018	0.005	0.358	0.101
206	0.009	0.002	0.652	0.168	0.115	0.030	0.014	0.004	0.452	0.117
207	0.010	0.003	0.627	0.177	0.174	0.049	0.012	0.003	0.547	0.154
208	0.019	0.005	0.545	0.148	0.087	0.024	0.025	0.007	0.328	0.089
209	0.012	0.003	0.488	0.135	0.158	0.044	0.032	0.009	0.330	0.091
210	0.016	0.004	0.715	0.186	0.147	0.038	0.029	0.008	0.505	0.131

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
211	0.118	0.032	1.983	0.532	2.679	0.718	18.168	4.871	0.123	0.033
212	0.085	0.024	2.019	0.577	2.502	0.715	15.472	4.421	0.078	0.022
213	0.112	0.028	2.088	0.521	2.768	0.690	18.372	4.582	0.118	0.029
214	0.087	0.025	1.979	0.572	2.355	0.681	16.078	4.647	0.116	0.034
215	0.105	0.029	1.920	0.529	2.600	0.716	16.543	4.557	0.133	0.037
216	0.090	0.025	1.886	0.521	2.644	0.730	17.120	4.729	0.087	0.024
217	0.096	0.025	1.881	0.498	3.047	0.806	20.780	5.497	0.097	0.026
218	0.104	0.027	1.976	0.505	2.602	0.665	19.952	5.103	0.107	0.027
219	0.102	0.029	1.924	0.540	2.317	0.651	16.870	4.739	0.091	0.026
220	0.084	0.023	1.963	0.532	2.781	0.754	18.422	4.992	0.089	0.024
221	0.080	0.024	1.967	0.592	2.409	0.726	15.008	4.520	0.181	0.055
222	0.099	0.024	2.025	0.481	3.065	0.728	16.774	3.984	0.095	0.023
223	0.109	0.031	2.094	0.598	2.690	0.769	16.327	4.665	0.072	0.021
224	0.110	0.030	2.033	0.557	3.245	0.889	18.828	5.158	0.139	0.038

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
211	0.012	0.003	0.563	0.151	0.116	0.031	0.007	0.002	0.296	0.079
212	0.023	0.007	0.636	0.182	0.249	0.071	0.020	0.006	0.990	0.283
213	0.027	0.007	0.674	0.168	0.201	0.050	0.021	0.005	0.448	0.112
214	0.010	0.003	0.560	0.162	0.144	0.042	0.019	0.005	0.408	0.118
215	0.010	0.003	0.657	0.181	0.262	0.072	0.004	0.001	0.477	0.131
216	0.010	0.003	0.525	0.145	0.252	0.070	0.008	0.002	0.509	0.141
217	0.019	0.005	0.730	0.193	0.109	0.029	0.012	0.003	0.584	0.154
218	0.010	0.003	0.598	0.153	0.150	0.038	0.013	0.003	0.538	0.138
219	0.015	0.004	0.509	0.143	0.138	0.039	0.016	0.004	0.317	0.089
220	0.013	0.004	0.595	0.161	0.153	0.041	0.009	0.002	0.444	0.120
221	0.020	0.006	0.684	0.206	0.241	0.073	0.011	0.003	0.493	0.148
222	0.018	0.004	0.722	0.171	0.245	0.058	0.016	0.004	0.793	0.188
223	0.016	0.005	0.529	0.151	0.183	0.052	0.009	0.003	0.311	0.089
224	0.022	0.006	0.663	0.182	0.140	0.038	0.014	0.004	0.579	0.159

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
337	Not pregnant									
338	0.105	0.028	2.042	0.547	2.772	0.743	21.699	5.817	0.119	0.032
339	0.096	0.025	2.044	0.523	2.861	0.732	23.336	5.968	0.094	0.024
340	0.091	0.028	2.023	0.632	2.368	0.740	16.979	5.306	0.092	0.029
341	0.102	0.028	1.879	0.516	2.718	0.747	17.249	4.739	0.115	0.032
342	0.123	0.034	1.982	0.540	3.089	0.842	18.073	4.925	0.146	0.040
343	0.112	0.031	1.999	0.562	2.544	0.715	17.598	4.943	0.118	0.033
344	0.119	0.036	1.794	0.540	2.643	0.796	18.416	5.547	0.115	0.035
345	0.108	0.028	2.167	0.567	2.316	0.606	18.843	4.933	0.158	0.041
346	0.112	0.029	2.011	0.522	2.686	0.698	19.471	5.057	0.144	0.037
347	0.083	0.020	2.070	0.496	2.692	0.646	21.223	5.089	0.168	0.040
348	Found dead									
349	0.091	0.024	1.920	0.508	2.512	0.665	18.960	5.016	0.129	0.034
350	0.088	0.024	2.025	0.558	2.830	0.780	17.663	4.866	0.105	0.029

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
337	Not pregnant									
338	0.014	0.004	0.539	0.145	0.111	0.030	0.019	0.005	0.414	0.111
339	0.020	0.005	0.746	0.191	0.186	0.048	0.014	0.004	0.388	0.099
340	0.009	0.003	0.560	0.175	0.103	0.032	0.015	0.005	0.352	0.110
341	0.014	0.004	0.734	0.202	0.245	0.067	0.020	0.005	0.528	0.145
342	0.015	0.004	0.680	0.185	0.194	0.053	0.009	0.002	0.530	0.144
343	0.009	0.003	0.602	0.169	0.167	0.047	0.013	0.004	0.355	0.100
344	0.012	0.004	0.694	0.209	0.126	0.038	0.027	0.008	0.441	0.133
345	0.009	0.002	0.731	0.191	0.139	0.036	0.021	0.005	0.375	0.098
346	0.015	0.004	0.744	0.193	0.106	0.028	0.020	0.005	0.449	0.117
347	0.017	0.004	0.645	0.155	0.093	0.022	0.021	0.005	0.470	0.113
348	Found dead									
349	0.010	0.003	0.801	0.212	0.232	0.061	0.015	0.004	0.425	0.112
350	0.021	0.006	0.840	0.231	0.167	0.046	0.017	0.005	0.517	0.142

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
351	0.109	0.029	1.980	0.522	2.766	0.730	20.275	5.350	0.099	0.026
352	0.113	0.031	1.942	0.538	2.765	0.766	19.607	5.431	0.093	0.026
353	0.116	0.031	1.974	0.532	2.503	0.675	16.941	4.566	0.119	0.032
354	0.108	0.034	1.916	0.608	2.150	0.683	17.177	5.453	0.089	0.028
355	0.090	0.026	1.930	0.563	2.203	0.642	17.134	4.995	0.099	0.029
356	0.098	0.028	1.924	0.545	2.438	0.691	19.837	5.620	0.113	0.032
357	0.137	0.035	1.982	0.503	3.168	0.804	19.960	5.066	0.123	0.031
358	0.096	0.032	1.718	0.569	2.110	0.699	13.856	4.588	0.137	0.045
359	0.120	0.032	2.002	0.527	2.683	0.706	19.131	5.034	0.117	0.031
360	0.101	0.027	2.037	0.546	2.358	0.632	16.302	4.371	0.116	0.031
361	0.078	0.022	1.802	0.503	2.780	0.777	18.143	5.068	0.090	0.025
362	0.120	0.034	1.900	0.543	2.414	0.690	16.869	4.820	0.085	0.024
363	0.079	0.025	1.936	0.609	2.607	0.820	15.909	5.003	0.084	0.026
364	0.086	0.022	1.913	0.488	2.664	0.680	18.960	4.837	0.096	0.024

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
351	0.017	0.004	0.819	0.216	0.096	0.025	0.014	0.004	0.354	0.093
352	0.013	0.004	0.705	0.195	0.220	0.061	0.011	0.003	0.664	0.184
353	0.016	0.004	0.637	0.172	0.126	0.034	0.016	0.004	0.384	0.104
354	0.013	0.004	0.435	0.138	0.122	0.039	0.021	0.007	0.270	0.086
355	0.014	0.004	0.640	0.187	0.149	0.043	0.021	0.006	0.306	0.089
356	0.012	0.003	0.524	0.148	0.179	0.051	0.010	0.003	0.280	0.079
357	0.020	0.005	0.899	0.228	0.160	0.041	0.013	0.003	0.367	0.093
358	0.011	0.004	0.615	0.204	0.110	0.036	0.019	0.006	0.458	0.152
359	0.012	0.003	0.732	0.193	0.190	0.050	0.013	0.003	0.440	0.116
360	0.015	0.004	0.609	0.163	0.263	0.071	0.017	0.005	0.487	0.131
361	0.015	0.004	0.741	0.207	0.417	0.116	0.018	0.005	0.654	0.183
362	0.016	0.005	0.670	0.191	0.182	0.052	0.021	0.006	0.338	0.097
363	0.015	0.005	0.634	0.199	0.122	0.038	0.020	0.006	0.321	0.101
364	0.020	0.005	0.629	0.160	0.194	0.049	0.013	0.003	0.448	0.114

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
365	0.095	0.024	2.015	0.511	2.545	0.646	17.728	4.499	0.101	0.026
366	Found dead									
367	0.103	0.029	2.273	0.649	2.385	0.681	18.219	5.205	0.133	0.038
368	0.099	0.028	2.035	0.578	2.645	0.751	17.894	5.084	0.119	0.034
369	0.101	0.026	1.997	0.509	2.748	0.701	19.425	4.955	0.131	0.033
370	0.087	0.026	1.943	0.578	2.622	0.780	16.496	4.910	0.130	0.039
371	0.095	0.025	2.012	0.539	2.560	0.686	18.413	4.936	0.102	0.027
372	0.094	0.028	1.979	0.584	2.707	0.799	17.472	5.154	0.103	0.030
373	0.099	0.029	1.828	0.541	2.576	0.762	15.453	4.572	0.112	0.033
374	0.141	0.041	1.893	0.544	2.304	0.662	18.127	5.209	0.146	0.042
375	0.094	0.026	1.934	0.533	2.335	0.643	16.128	4.443	0.093	0.026
376	0.099	0.030	2.024	0.615	2.619	0.796	16.969	5.158	0.124	0.038
377	Found dead									
378	0.125	0.036	1.916	0.554	2.586	0.747	17.150	4.957	0.103	0.030

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
365	0.013	0.003	0.734	0.186	0.153	0.039	0.020	0.005	0.371	0.094
366	Found dead									
367	0.009	0.003	0.667	0.191	0.069	0.020	0.007	0.002	0.515	0.147
368	0.011	0.003	0.594	0.169	0.198	0.056	0.023	0.007	0.317	0.090
369	0.018	0.005	0.614	0.157	0.129	0.033	0.014	0.004	0.328	0.084
370	0.010	0.003	0.614	0.183	0.152	0.045	0.010	0.003	0.690	0.205
371	0.015	0.004	0.807	0.216	0.109	0.029	0.021	0.006	0.832	0.223
372	0.015	0.004	0.594	0.175	0.136	0.040	0.025	0.007	0.274	0.081
373	0.011	0.003	0.610	0.180	0.165	0.049	0.025	0.007	0.346	0.102
374	0.012	0.003	0.611	0.176	0.154	0.044	0.026	0.007	0.608	0.175
375	0.014	0.004	0.588	0.162	0.131	0.036	0.023	0.006	0.405	0.112
376	0.012	0.004	0.754	0.229	0.189	0.057	0.013	0.004	0.485	0.147
377	Found dead									
378	0.012	0.003	0.628	0.182	0.172	0.050	0.025	0.007	0.325	0.094

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
379	0.096	0.027	1.854	0.518	2.590	0.723	18.605	5.197	0.095	0.027
380	0.097	0.027	2.026	0.560	2.514	0.694	16.934	4.678	0.091	0.025
381	0.087	0.026	1.845	0.543	2.806	0.825	16.910	4.974	0.122	0.036
382	0.092	0.028	1.836	0.551	2.231	0.670	17.510	5.258	0.094	0.028
383	0.088	0.025	2.029	0.583	2.981	0.857	18.847	5.416	0.093	0.027
384	0.087	0.028	1.964	0.623	2.314	0.735	15.534	4.931	0.076	0.024
385	0.084	0.023	1.887	0.510	2.793	0.755	17.695	4.782	0.092	0.025
386	0.096	0.027	1.892	0.524	2.552	0.707	18.352	5.084	0.131	0.036
387	0.117	0.030	1.985	0.506	2.687	0.685	19.135	4.881	0.116	0.030
388	0.080	0.024	1.827	0.559	2.108	0.645	15.683	4.796	0.117	0.036
389	0.137	0.037	2.041	0.550	2.711	0.731	19.685	5.306	0.122	0.033
390	0.115	0.034	1.775	0.524	2.201	0.649	14.114	4.163	0.095	0.028
391	0.116	0.031	1.930	0.515	2.554	0.681	18.785	5.009	0.077	0.021
392	0.116	0.029	1.838	0.466	2.595	0.659	20.801	5.279	0.106	0.027

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
379	0.015	0.004	0.637	0.178	0.132	0.037	0.020	0.006	0.353	0.099
380	0.014	0.004	0.763	0.211	0.261	0.072	0.021	0.006	0.410	0.113
381	0.003	0.001	0.618	0.182	0.160	0.047	0.008	0.002	0.619	0.182
382	0.014	0.004	0.576	0.173	0.148	0.044	0.022	0.007	0.267	0.080
383	0.017	0.005	0.939	0.270	0.086	0.025	0.019	0.005	0.260	0.075
384	0.011	0.003	0.557	0.177	0.083	0.026	0.016	0.005	0.414	0.131
385	0.012	0.003	0.606	0.164	0.118	0.032	0.018	0.005	0.474	0.128
386	0.015	0.004	0.637	0.176	0.113	0.031	0.017	0.005	0.587	0.163
387	0.015	0.004	0.726	0.185	0.194	0.049	0.020	0.005	0.352	0.090
388	0.012	0.004	0.536	0.164	0.146	0.045	0.021	0.006	0.340	0.104
389	0.017	0.005	0.621	0.167	0.229	0.062	0.023	0.006	0.441	0.119
390	0.010	0.003	0.615	0.181	0.116	0.034	0.016	0.005	0.402	0.119
391	0.015	0.004	0.656	0.175	0.176	0.047	0.018	0.005	0.510	0.136
392	0.010	0.003	0.547	0.139	0.083	0.021	0.019	0.005	0.265	0.067

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
393	0.113	0.031	1.840	0.497	2.349	0.635	16.159	4.367	0.091	0.025
394	0.098	0.031	1.665	0.520	2.512	0.785	14.853	4.642	0.102	0.032
395	0.110	0.037	1.991	0.664	2.031	0.677	15.979	5.326	0.118	0.039
396	0.098	0.029	2.019	0.596	2.266	0.668	14.518	4.283	0.100	0.029
397	0.076	0.023	1.958	0.595	2.365	0.719	15.706	4.774	0.108	0.033
398	Not pregnant									
399	0.099	0.029	1.969	0.584	2.282	0.677	13.444	3.989	0.104	0.031
400	0.080	0.021	1.938	0.513	2.637	0.698	18.355	4.856	0.111	0.029
401	0.098	0.028	1.083	0.313	2.271	0.656	15.393	4.449	0.081	0.023
402	0.099	0.032	1.840	0.588	2.118	0.677	15.506	4.954	0.102	0.033
403	0.117	0.027	1.935	0.439	3.062	0.694	21.816	4.947	0.163	0.037
404	0.080	0.026	1.985	0.634	2.378	0.760	15.855	5.065	0.082	0.026
405	0.146	0.039	2.013	0.534	3.026	0.803	19.519	5.177	0.137	0.036
406	0.115	0.031	1.914	0.509	2.844	0.756	18.920	5.032	0.128	0.034

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
393	0.017	0.005	0.596	0.161	0.160	0.043	0.020	0.005	0.252	0.068
394	0.011	0.003	0.471	0.147	0.152	0.048	0.017	0.005	0.230	0.072
395	0.015	0.005	0.665	0.222	0.102	0.034	0.025	0.008	0.558	0.186
396	0.014	0.004	0.710	0.209	0.158	0.047	0.007	0.002	0.470	0.139
397	0.012	0.004	0.679	0.206	0.046	0.014	0.016	0.005	0.549	0.167
398	Not pregnant									
399	0.022	0.007	0.507	0.150	0.260	0.077	0.027	0.008	0.245	0.073
400	0.014	0.004	0.673	0.178	0.083	0.022	0.017	0.004	0.441	0.117
401	0.004	0.001	0.413	0.119	0.149	0.043	0.013	0.004	0.375	0.108
402	0.007	0.002	0.505	0.161	0.102	0.033	0.018	0.006	0.407	0.130
403	0.017	0.004	0.635	0.144	0.197	0.045	0.011	0.002	0.432	0.098
404	0.016	0.005	0.536	0.171	0.104	0.033	0.018	0.006	0.347	0.111
405	0.017	0.005	0.811	0.215	0.128	0.034	0.027	0.007	0.381	0.101
406	0.019	0.005	0.775	0.206	0.248	0.066	0.025	0.007	0.645	0.172

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
407	0.094	0.025	1.883	0.498	2.865	0.758	16.552	4.379	0.094	0.025
408	0.119	0.032	2.058	0.546	2.649	0.703	17.367	4.607	0.125	0.033
409	0.088	0.028	1.836	0.590	2.386	0.767	14.182	4.560	0.095	0.031
410	Not pregnant									
411	0.139	0.041	1.890	0.559	2.545	0.753	16.564	4.901	0.091	0.027
412	0.088	0.024	1.926	0.534	2.608	0.722	18.248	5.055	0.087	0.024
413	0.095	0.026	1.856	0.502	2.465	0.666	16.927	4.575	0.104	0.028
414	0.094	0.025	2.088	0.563	2.578	0.695	17.872	4.817	0.107	0.029
415	0.107	0.029	2.082	0.560	2.694	0.724	17.389	4.674	0.092	0.025
416	0.085	0.025	1.928	0.560	2.295	0.667	15.666	4.554	0.085	0.025
417	0.092	0.026	1.945	0.542	2.626	0.731	18.077	5.035	0.093	0.026
418	0.096	0.028	1.761	0.507	2.085	0.601	17.808	5.132	0.118	0.034
419	0.089	0.028	1.791	0.569	2.590	0.822	16.537	5.250	0.110	0.035
420	0.092	0.023	2.020	0.508	2.972	0.747	18.067	4.539	0.115	0.029

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
407	0.020	0.005	0.487	0.129	0.116	0.031	0.013	0.003	0.322	0.085
408	0.014	0.004	0.686	0.182	0.075	0.020	0.020	0.005	0.346	0.092
409	0.010	0.003	0.527	0.169	0.071	0.023	0.019	0.006	0.283	0.091
410	Not pregnant									
411	0.014	0.004	0.663	0.196	0.153	0.045	0.030	0.009	0.580	0.172
412	0.011	0.003	0.592	0.164	0.064	0.018	0.016	0.004	0.455	0.126
413	0.011	0.003	0.656	0.177	0.140	0.038	0.028	0.008	0.472	0.128
414	0.015	0.004	0.761	0.205	0.125	0.034	0.017	0.005	0.708	0.191
415	0.016	0.004	0.692	0.186	0.123	0.033	0.020	0.005	0.428	0.115
416	0.017	0.005	0.514	0.149	0.168	0.049	0.019	0.006	0.395	0.115
417	0.015	0.004	0.594	0.165	0.224	0.062	0.010	0.003	0.387	0.108
418	0.008	0.002	0.740	0.213	0.130	0.037	0.010	0.003	0.379	0.109
419	0.016	0.005	0.546	0.173	0.125	0.040	0.019	0.006	0.290	0.092
420	0.015	0.004	0.867	0.218	0.298	0.075	0.019	0.005	0.364	0.091

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
421	0.101	0.026	1.793	0.456	2.843	0.723	21.563	5.487	0.135	0.034
422	0.089	0.028	1.845	0.586	1.968	0.625	13.988	4.441	0.090	0.029
423	0.105	0.030	1.878	0.535	2.695	0.768	15.316	4.364	0.115	0.033
424	0.114	0.030	1.948	0.511	2.594	0.681	17.822	4.678	0.103	0.027
425	0.107	0.033	1.926	0.585	2.454	0.746	17.450	5.304	0.075	0.023
426	0.097	0.026	2.024	0.537	2.895	0.768	19.563	5.189	0.110	0.029
427	0.104	0.030	1.620	0.460	2.061	0.586	18.386	5.223	0.093	0.026
428	0.068	0.019	1.825	0.521	2.571	0.735	16.138	4.611	0.092	0.026
429	0.113	0.031	2.052	0.564	2.503	0.688	20.339	5.588	0.096	0.026
430	0.081	0.025	1.696	0.514	2.311	0.700	17.359	5.260	0.109	0.033
431	0.098	0.028	1.901	0.546	2.364	0.679	14.881	4.276	0.098	0.028
432	0.080	0.025	1.834	0.573	2.262	0.707	15.061	4.707	0.109	0.034
433	0.085	0.024	1.970	0.550	2.291	0.640	16.911	4.724	0.075	0.021
434	0.096	0.028	1.854	0.547	2.479	0.731	17.670	5.212	0.083	0.024

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
421	0.017	0.004	0.720	0.183	0.197	0.050	0.013	0.003	0.858	0.218
422	0.010	0.003	0.651	0.207	0.142	0.045	0.004	0.001	0.494	0.157
423	0.015	0.004	0.550	0.157	0.202	0.058	0.009	0.003	0.380	0.108
424	0.007	0.002	0.601	0.158	0.095	0.025	0.014	0.004	0.555	0.146
425	0.016	0.005	0.715	0.217	0.185	0.056	0.022	0.007	0.434	0.132
426	0.019	0.005	0.804	0.213	0.208	0.055	0.025	0.007	0.575	0.153
427	0.018	0.005	0.604	0.172	0.147	0.042	0.020	0.006	0.443	0.126
428	0.019	0.005	0.739	0.211	0.115	0.033	0.022	0.006	0.450	0.129
429	0.011	0.003	0.665	0.183	0.162	0.045	0.025	0.007	0.858	0.236
430	0.017	0.005	0.504	0.153	0.183	0.055	0.020	0.006	0.491	0.149
431	0.010	0.003	0.672	0.193	0.152	0.044	0.026	0.007	0.596	0.171
432	0.011	0.003	0.454	0.142	0.154	0.048	0.014	0.004	0.429	0.134
433	0.004	0.001	0.444	0.124	0.125	0.035	0.013	0.004	0.539	0.151
434	0.019	0.006	0.494	0.146	0.069	0.020	0.030	0.009	0.408	0.120

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females

(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Adrenals		Brain		Kidneys		Liver		Ovaries	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
435	Found dead									
436	0.096	0.029	1.856	0.568	2.260	0.691	15.270	4.670	0.080	0.024
437	0.158	0.041	2.044	0.532	2.673	0.696	18.531	4.826	0.117	0.030
438	0.126	0.038	1.799	0.548	2.510	0.765	17.113	5.217	0.080	0.024
439	Not pregnant									
440	Not pregnant									
441	Killed *in extremis*									
442	0.089	0.024	1.975	0.541	2.877	0.788	18.964	5.196	0.087	0.024
443	0.090	0.028	1.960	0.613	2.555	0.798	17.182	5.369	0.114	0.036
444	0.099	0.028	1.957	0.547	2.524	0.705	16.556	4.625	0.099	0.028
445	0.132	0.034	1.658	0.425	2.825	0.724	22.617	5.799	0.134	0.034
446	0.109	0.029	2.051	0.540	2.732	0.719	18.981	4.995	0.097	0.026
447	0.090	0.026	1.800	0.519	2.544	0.733	15.370	4.429	0.118	0.034
448	0.105	0.025	2.110	0.511	2.716	0.658	24.542	5.942	0.081	0.020

+ = Percentage of bodyweight

Appendix 28 (continued) Individual Organ Weights (g) – Females
(b) F_1 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Female number	Pituitary		Spleen		Thymus		Thyroid		Uterus	
	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+	Weight (g)	%+
435	Found dead									
436	0.023	0.007	0.829	0.254	0.132	0.040	0.022	0.007	0.605	0.185
437	0.019	0.005	0.782	0.204	0.094	0.024	0.028	0.007	0.736	0.192
438	0.009	0.003	0.577	0.176	0.120	0.036	0.025	0.008	0.438	0.133
439	Not pregnant									
440	Not pregnant									
441	Killed *in extremis*									
442	0.005	0.001	0.607	0.166	0.153	0.042	0.018	0.005	0.643	0.176
443	0.016	0.005	0.712	0.223	0.139	0.043	0.018	0.006	0.480	0.150
444	0.015	0.004	0.537	0.150	0.134	0.037	0.013	0.004	0.356	0.099
445	0.013	0.003	0.696	0.178	0.249	0.064	0.012	0.003	0.707	0.181
446	0.009	0.002	0.610	0.161	0.158	0.042	0.023	0.006	0.500	0.132
447	0.012	0.003	0.673	0.194	0.262	0.076	0.015	0.004	0.552	0.159
448	0.013	0.003	0.702	0.170	0.113	0.027	0.017	0.004	0.585	0.142

+ = Percentage of bodyweight

Appendix 29 Individual Selected Offspring Organ Weight

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
113	1.239	0.110	0.146	1.399	0.168	0.183
114	1.392	0.166	0.179	1.363	0.161	0.172
115	Total litter loss					
116	1.609	0.198	0.178	1.418	0.257	0.202
117	1.338	0.113	0.176	1.316	0.114	0.127
118	Not pregnant					
119	1.171	0.164	0.143	1.015	0.146	0.158
120	1.440	0.177	0.186	1.357	0.146	0.226
121	No male pups available at necropsy			1.213	0.156	0.133
122	Killed *in extremis*					
123	1.440	0.186	0.228	1.377	0.171	0.215
124	1.447	0.245	0.215	1.296	0.227	0.188
125	1.386	0.152	0.143	1.376	0.136	0.180
126	1.482	0.143	0.201	1.395	0.148	0.196

Appendix 29 (continued) Individual Selected Offspring Organ Weight

(a) $F_0 - F_1$ Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
127	1.517	0.226	0.274	1.365	0.263	0.241
128	1.461	0.230	0.191	1.404	0.158	0.189
129	1.290	0.131	0.143	1.399	0.166	0.104
130	1.457	0.228	0.153	1.374	0.243	0.218
131	1.374	0.192	0.190	1.374	0.141	0.194
132	1.429	0.156	0.175	1.433	0.177	0.163
133	1.387	0.135	0.149	1.400	0.147	0.083
134	1.437	0.166	0.184	1.418	0.154	0.159
135	1.394	0.323	0.273	1.463	0.335	0.241
136	1.417	0.168	0.166	1.293	0.106	0.162
137	1.429	0.200	0.190	1.392	0.214	0.217
138	No pups available at necropsy					
139	1.406	0.208	0.146	1.239	0.236	0.145
140	1.422	0.171	0.147	1.351	0.199	0.193

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(a) $F_0 - F_1$ Generation

GROUP: 2 **DOSE LEVEL: 5 mg/kg/day**

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
141	1.369	0.208	0.153	1.236	0.180	0.218
142	1.393	0.197	0.213	1.242	0.199	0.210
143	1.380	0.117	0.132	1.371	0.150	0.153
144	1.408	0.167	0.163	1.400	0.155	0.220
145	1.362	0.177	0.202	1.409	0.163	0.176
146	1.333	0.234	0.152	1.459	0.237	0.179
147	1.289	0.140	0.144	1.404	0.172	0.163
148	1.172	0.201	0.258	1.330	0.224	0.197
149	1.507	0.212	0.194	1.436	0.238	0.189
150	1.415	0.152	0.141	1.401	0.154	0.158
151	1.350	0.148	0.160	1.367	0.161	0.180
152	1.364	0.145	0.157	1.386	0.184	0.186
153	Total litter loss					
154	1.384	0.146	0.074	1.249	0.141	0.171

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(a) $F_0 - F_1$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
155	1.377	0.214	0.123	1.431	0.240	0.197
156	1.591	0.254	0.197	1.272	0.246	0.199
157	Not pregnant					
158	1.313	0.069	0.180	1.340	0.128	0.128
159	1.253	0.193	0.150	1.230	0.188	0.193
160	1.438	0.150	0.175	1.310	0.113	0.195
161	1.349	0.238	0.172	1.371	0.250	0.186
162	1.283	0.189	0.181	1.368	0.184	0.244
163	1.465	0.109	0.201	1.374	0.069	0.161
164	1.443	0.143	0.167	1.313	0.173	0.148
165	1.388	0.182	0.176	1.461	0.149	0.129
166	1.391	0.137	0.180	1.258	0.078	0.159
167	Not pregnant					
168	1.181	0.112	0.150	1.146	0.101	0.136

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(a) $F_0 - F_1$ Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
169	1.318	0.143	0.170	1.440	0.164	0.181
170	1.375	0.163	0.186	1.371	0.126	0.182
171	1.144	0.109	0.147	1.278	0.145	0.141
172	1.315	0.125	0.121	1.264	0.129	0.138
173	1.514	0.177	0.215	1.371	0.127	0.204
174	1.365	0.130	0.098	1.413	0.193	0.187
175	1.354	0.133	0.109	1.342	0.141	0.152
176	1.365	0.194	0.193	1.459	0.174	0.199
177	1.256	0.273	0.254	1.202	0.225	0.297
178	1.431	0.206	0.227	1.324	0.197	0.134
179	1.309	0.199	0.230	1.158	0.218	0.217
180	1.305	0.149	0.100	1.382	0.160	0.166
181	Total litter loss					
182	1.197	0.327	0.231	No female pups available at necropsy		

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(a) $F_0 - F_1$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
183	1.295	0.205	0.179	1.100	0.172	0.175
184	1.400	0.192	0.206	1.382	0.154	0.156
185	1.332	0.197	0.204	1.317	0.161	0.168
186	1.284	0.164	0.145	1.337	0.192	0.203
187	Not pregnant					
188	1.347	0.192	0.135	1.304	0.183	0.221
189	1.490	0.195	0.226	1.425	0.180	0.195
190	1.519	0.276	0.275	No female pups available at necropsy		
191	1.412	0.114	0.126	1.246	0.101	0.118
192	1.345	0.196	0.096	1.200	0.177	0.179
193	1.485	0.252	0.200	1.378	0.180	0.191
194	Not pregnant					
195	1.278	0.169	0.158	1.073	0.209	0.215
196	1.308	0.143	0.174	1.189	0.181	0.212

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(a) $F_0 - F_1$ Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
197	1.464	0.158	0.167	1.467	0.191	0.208
198	1.354	0.318	0.290	1.455	0.268	0.275
199	1.354	0.157	0.166	1.376	0.132	0.172
200	1.334	0.184	0.186	1.366	0.227	0.173
201	1.307	0.157	0.198	1.379	0.188	0.233
202	1.192	0.134	0.136	1.107	0.102	0.128
203	0.933	0.078	0.025	1.118	0.083	0.100
204	1.453	0.227	0.164	1.434	0.241	0.187
205	1.402	0.129	0.118	1.336	0.118	0.150
206	1.326	0.162	0.185	1.388	0.220	0.133
207	1.216	0.152	0.142	1.243	0.132	0.168
208	1.310	0.091	0.100	1.215	0.084	0.134
209	1.368	0.208	0.216	1.450	0.220	0.239
210	1.125	0.161	0.120	1.216	0.165	0.186

Appendix 29 (continued) Individual Selected Offspring Organ Weight

(a) $F_0 - F_1$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
211	1.134	0.112	0.133	1.121	0.092	0.139
212	1.441	0.234	0.208	No female pups available at necropsy		
213	1.526	0.195	0.152	1.328	0.103	0.129
214	1.260	0.164	0.201	1.279	0.220	0.158
215	1.172	0.154	0.208	1.363	0.181	0.166
216	1.425	0.152	0.152	1.356	0.140	0.165
217	1.270	0.145	0.142	1.325	0.172	0.208
218	1.254	0.153	0.176	1.223	0.135	0.172
219	1.448	0.160	0.196	1.424	0.207	0.207
220	1.397	0.170	0.229	1.222	0.141	0.181
221	1.498	0.283	0.233	1.413	0.289	0.234
222	1.375	0.278	0.240	1.416	0.244	0.159
223	1.417	0.126	0.167	1.392	0.144	0.169
224	1.230	0.287	0.301	1.483	0.267	0.254

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
337	Not pregnant					
338	1.054	0.133	0.188	1.204	0.136	0.139
339	1.337	0.114	0.180	1.252	0.108	0.119
340	1.192	0.121	0.163	1.176	0.113	0.120
341	1.232	0.226	0.170	1.075	0.177	0.201
342	1.289	0.222	0.285	1.334	0.181	0.209
343	1.120	0.158	0.184	1.064	0.179	0.118
344	1.039	0.131	0.173	1.210	0.172	0.207
345	1.372	0.148	0.201	1.353	0.181	0.226
346	1.387	0.196	0.236	1.405	0.248	0.230
347	1.151	0.151	0.200	1.051	0.217	0.184
348	Found dead					
349	1.179	0.180	0.179	1.328	0.172	0.189
350	1.320	0.214	0.112	1.185	0.141	1.100

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
351	1.059	0.166	0.126	1.137	0.134	0.118
352	1.208	0.232	0.276	1.182	0.251	0.219
353	1.136	0.153	0.143	1.143	0.196	0.250
354	1.312	0.170	0.159	1.172	0.151	0.166
355	1.170	0.170	0.177	1.091	0.172	0.194
356	1.425	0.177	0.180	1.456	0.176	0.118
357	1.216	0.362	0.240	1.189	0.245	0.225
358	1.099	0.152	0.126	1.071	0.125	0.156
359	1.156	0.215	0.192	1.316	0.221	0.190
360	1.159	0.166	0.167	1.086	0.172	0.208
361	1.158	0.194	0.227	1.185	0.131	0.264
362	1.452	0.181	0.246	1.095	0.175	0.156
363	1.250	0.139	0.166	1.083	0.181	0.117
364	1.234	0.295	0.190	1.277	0.327	0.184

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
365	1.232	0.211	0.220	1.062	0.183	0.166
366	Found dead					
367	1.189	0.207	0.202	1.405	0.191	0.154
368	1.068	0.117	0.124	1.134	0.177	0.185
369	1.213	0.173	0.169	1.190	0.169	0.175
370	1.395	0.108	0.152	1.319	0.137	0.128
371	1.072	0.185	0.157	1.168	0.203	0.163
372	1.162	0.146	0.111	1.120	0.140	0.158
373	1.345	0.172	0.188	1.026	0.148	0.217
374	1.334	0.135	0.115	1.107	0.103	0.176
375	1.285	0.206	0.193	1.243	0.189	0.249
376	1.473	0.166	0.152	1.101	0.180	0.121
377	Found dead					
378	1.233	0.152	0.162	1.300	0.146	0.180

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
379	1.164	0.123	0.120	1.160	0.181	0.159
380	1.210	0.283	0.253	1.322	0.267	0.217
381	1.169	0.250	0.265	1.198	0.136	0.182
382	1.080	0.225	0.174	1.359	0.251	0.174
383	1.175	0.222	0.151	1.147	0.231	0.155
384	1.349	0.174	0.180	1.115	0.154	0.169
385	1.192	0.194	0.173	1.136	0.141	0.163
386	1.065	0.124	0.096	1.237	0.143	0.143
387	1.260	0.248	0.158	1.209	0.202	0.148
388	1.059	0.127	0.177	1.101	0.136	0.134
389	1.124	0.160	0.168	1.069	0.190	0.164
390	1.200	0.168	0.166	1.169	0.156	0.150
391	1.189	0.241	0.138	1.294	0.217	0.197
392	1.154	0.146	0.212	1.167	0.155	0.196

Appendix 29 (continued) Individual Selected Offspring Organ Weight

(b) $F_1 - F_2$ Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
393	1.055	0.194	0.178	1.200	0.167	0.110
394	1.251	0.112	0.089	1.293	0.151	0.172
395	1.231	0.199	0.200	1.315	0.211	0.168
396	1.104	0.154	0.168	1.140	0.185	0.138
397	1.282	0.175	0.124	1.197	0.086	0.152
398	Not pregnant					
399	1.087	0.157	0.187	1.105	0.128	0.141
400	1.285	0.146	0.166	1.243	0.155	0.154
401	1.172	0.204	0.268	1.195	0.268	0.226
402	0.937	0.166	0.168	0.834	0.118	0.131
403	1.152	0.120	0.156	1.252	0.179	0.119
404	1.230	0.171	0.172	1.083	0.208	0.195
405	1.111	0.161	0.136	1.335	0.207	0.144
406	1.240	0.154	0.146	1.063	0.102	0.162

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
407	1.133	0.124	0.113	1.123	0.120	0.112
408	1.159	0.125	0.154	1.093	0.128	0.141
409	1.079	0.164	0.121	1.253	0.165	0.155
410	Not pregnant					
411	1.137	0.286	0.085	1.137	0.253	0.131
412	1.136	0.174	0.194	1.158	0.189	0.209
413	1.442	0.169	0.214	1.157	0.171	0.146
414	1.117	0.141	0.179	1.301	0.210	0.161
415	1.094	0.168	0.150	1.340	0.127	0.164
416	1.247	0.194	0.192	1.182	0.155	0.203
417	1.235	0.163	0.200	0.931	0.139	0.181
418	1.364	0.197	0.208	1.137	0.216	0.169
419	1.172	0.158	0.143	1.153	0.177	0.155
420	1.072	0.157	0.200	1.136	0.152	0.172

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**

(b) $F_1 - F_2$ Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
421	1.054	0.191	0.219	1.137	0.179	0.197
422	1.350	0.175	0.186	1.095	0.118	0.188
423	1.115	0.136	0.126	0.939	0.092	0.103
424	1.213	0.192	0.148	1.125	0.204	0.162
425	1.036	0.169	0.160	1.300	0.190	0.215
426	1.434	0.238	0.209	1.421	0.248	0.260
427	1.331	0.175	0.158	1.307	0.146	0.197
428	1.376	0.256	0.183	1.393	0.218	0.217
429	1.298	0.178	0.205	1.386	0.208	0.211
430	1.374	0.216	0.214	1.199	0.174	0.227
431	1.336	0.160	0.262	0.982	0.157	0.216
432	1.396	0.123	0.104	1.297	0.150	0.067
433	1.203	0.161	0.210	1.296	0.219	0.225
434	1.313	0.156	0.171	1.271	0.159	0.159

Appendix 29 (continued) **Individual Selected Offspring Organ Weight**
(b) $F_1 - F_2$ Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Adult Female Number	Male Offspring			Female Offspring		
	Brain	Spleen	Thymus	Brain	Spleen	Thymus
435	Found dead					
436	1.120	0.099	0.141	1.013	0.129	0.132
437	1.333	0.171	0.158	1.368	0.163	0.192
438	1.424	0.153	0.144	1.271	0.124	0.177
439	Not pregnant					
440	Not pregnant					
441	Killed *in extremis*					
442	1.210	0.237	0.214	1.189	0.178	0.232
443	1.209	0.160	0.190	1.207	0.247	0.178
444	1.108	0.173	0.170	1.242	0.186	0.153
445	1.105	0.206	0.216	1.303	0.260	0.230
446	1.296	0.208	0.174	1.118	0.213	0.172
447	1.345	0.166	0.188	1.271	0.176	0.195
448	1.342	0.190	0.202	1.433	0.225	0.231

Appendix 30 Individual Sperm Analysis –Concentration/ Motility

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (μm^2)
1	126.9	77	12	143.4	96.8	336.6	20.3	25.2	68	29	38	157.4
2	253.8	96	12	157.6	98.8	366.9	21.1	33.1	63	28	37	236.8
3	165.0	82	6	135.7	80.8	307.6	20.7	33.5	60	27	36	177.2
4	195.8	93	10	164.3	96.2	390.1	18.5	32.1	60	25	35	288.9
5	190.4	94	22	147.7	98.0	355.9	19.7	32.1	67	29	42	440.9
6	38.4	0	0	-	-	-	-	-	-	-	-	-
7	260.2	7	3	68.9	56.0	128.3	21.7	31.0	81	53	25	106.8
8	334.5	92	7	177.6	94.8	392.1	22.4	34.0	55	25	40	266.0
9	213.1	94	4	150.0	83.3	335.1	21.7	28.9	57	26	42	362.3
10	126.9	95	11	151.6	94.8	352.7	20.7	30.6	62	27	47	473.0
11	151.7	96	19	157.4	109.8	383.2	20.8	27.3	69	29	39	257.5
12	271.1	92	14	153.8	100.7	359.9	20.1	28.0	66	28	36	279.2
13	166.2	77	2	95.2	56.0	188.7	21.6	37.5	60	31	41	134.4
14	318.2	92	3	120.1	63.0	226.9	21.9	36.9	54	30	41	230.0

- = No motile sperm for evaluation

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
15	183.1	94	18	159.2	105.3	385.0	20.1	30.6	68	28	36	260.8
16	165.0	84	13	150.3	95.1	351.7	19.8	29.2	64	28	37	339.3
17	277.4	96	8	165.5	91.4	369.4	24.3	38.1	55	26	40	265.7
18	134.8	96	11	138.0	80.4	296.1	17.9	38.7	59	29	54	261.5
19	97.0	94	25	158.7	111.4	404.7	20.7	29.3	71	28	36	263.1
20	186.8	94	12	167.6	99.4	377.2	21.4	27.9	60	27	35	341.7
21	252.0	96	6	160.7	88.3	377.9	24.1	39.0	56	25	48	1163.8
22	408.0	96	3	147.9	82.5	315.7	29.7	35.1	57	28	40	225.0
23	313.7	86	5	143.7	83.7	296.5	28.2	39.6	59	31	38	150.0
24	102.0	94	15	146.3	99.9	358.9	18.8	29.9	69	29	34	237.6
25	182.5	93	11	150.7	92.5	360.2	20.0	35.4	62	27	39	345.8
26	165.6	89	13	148.7	97.3	353.4	19.8	30.6	66	28	34	389.3
27	336.3	98	8	162.1	88.4	355.0	19.9	37.4	55	26	40	245.5
28	206.7	93	10	158.6	98.0	370.6	20.1	32.0	63	27	35	369.0

Appendix 30 (continued) Individual Sperm Analysis – Concentration/Motility

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
29	54.2	96	5	167.2	89.9	351.3	26.4	37.7	53	26	44	175.2
30	232.1	95	15	158.1	100.9	366.2	18.9	32.9	64	28	38	398.6
31	169.2	97	8	174.2	92.8	406.2	25.8	39.0	54	24	48	574.5
32	322.8	92	9	162.4	96.1	371.9	20.4	37.5	60	27	43	235.0
33	160.2	90	29	158.6	112.8	389.6	19.5	30.8	71	29	36	206.4
34	111.1	88	16	156.1	98.7	367.8	20.0	32.6	63	28	34	268.7
35	307.3	96	11	157.7	94.3	373.0	21.2	33.1	61	26	36	378.6
36	285.6	99	4	159.5	86.5	352.9	22.7	42.7	56	26	50	746.8
37	422.5	95	5	156.2	88.2	349.6	25.5	32.7	56	26	42	267.3
38	271.1	89	11	154.0	96.6	354.0	21.8	30.8	64	28	45	386.0
39	129.9	93	7	168.1	91.8	370.8	34.8	32.7	55	26	40	210.9
40	214.0	95	12	148.1	93.0	367.2	20.2	27.1	63	26	38	311.6
41	402.5	94	6	145.1	78.9	322.6	18.6	29.1	57	25	40	235.6
42	243.9	98	9	179.7	101.7	404.1	22.8	36.7	57	26	51	376.7

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
43	112.4	97	19	155.4	99.4	376.4	18.7	30.9	65	27	39	296.4
44	41.9	69	20	136.6	100.9	334.0	17.0	26.9	74	31	33	187.3
45	282.9	95	12	167.5	99.8	380.3	19.5	35.0	61	27	41	454.1
46	143.7	85	20	158.9	108.7	396.0	20.8	30.7	68	28	34	266.1
47	235.1	84	7	147.3	87.3	322.5	19.3	31.6	60	28	43	204.6
48	120.1	80	4	117.5	64.3	236.7	18.2	42.2	56	30	42	262.2
49	308.2	92	8	150.6	93.7	336.6	19.4	29.2	62	29	39	210.1
50	256.6	88	7	157.4	87.1	341.2	25.7	36.2	57	27	39	159.7
51	204.9	96	6	155.5	85.2	350.2	24.6	40.1	56	26	48	763.0
52	150.5	86	10	142.1	92.4	342.7	18.4	29.2	65	27	38	194.9
53	299.2	94	8	150.2	89.7	342.8	20.7	31.5	61	27	39	235.2
54	380.8	93	13	151.0	94.3	357.3	20.0	33.2	64	27	38	244.8
55	301.9	92	11	159.0	95.7	371.8	20.7	31.7	60	26	37	232.8
56	141.0	87	9	142.9	91.7	310.5	21.6	31.6	64	31	41	164.4

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
57	97.9	96	16	148.5	96.6	362.4	19.0	29.5	66	27	35	155.9
58	Found dead											
59	198.2	95	18	162.7	103.6	387.9	20.1	28.4	65	28	35	300.9
60	255.7	88	14	161.7	100.2	383.5	19.8	31.4	63	27	41	399.4
61	195.8	91	7	162.2	98.2	382.5	21.0	29.3	61	26	44	197.7
62	133.3	90	10	150.6	99.1	390.0	19.0	30.7	66	26	41	197.4
63	219.4	94	12	149.0	94.5	352.1	20.7	32.7	64	28	39	380.2
64	287.4	95	8	169.1	95.9	376.9	24.1	32.1	57	26	45	480.7
65	325.5	75	3	91.7	67.2	175.7	22.6	39.2	73	47	31	107.2
66	252.0	96	16	173.0	105.5	389.6	22.8	31.9	62	28	34	629.7
67	229.4	93	2	121.1	68.2	226.9	26.7	37.0	57	31	47	203.9
68	46.9	6	0	40.6	34.9	104.8	0.0	0.0	86	33	0	0.0
69	187.4	90	5	162.7	83.7	355.9	17.8	44.6	53	25	54	245.7
70	76.2	86	15	159.2	109.0	404.1	21.3	30.0	69	28	40	205.0

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
71	185.9	95	8	166.9	97.4	405.4	22.0	31.5	60	25	36	394.2
72	111.1	93	13	158.2	100.0	376.9	22.4	32.9	63	27	39	289.2
73	213.1	99	5	156.4	84.8	348.5	21.7	46.2	56	27	49	415.8
74	275.6	93	7	115.8	66.8	289.0	22.3	40.3	59	25	46	355.1
75	34.8	0	0	-	-	-	-	-	-	-	-	-
76	80.5	96	5	107.7	73.0	259.1	17.0	30.4	69	31	40	190.6
77	184.3	90	8	141.4	88.7	306.6	22.3	33.5	62	30	51	214.8
78	309.2	83	8	159.4	89.2	336.4	22.9	34.6	56	28	43	319.7
79	321.8	96	9	149.1	87.1	327.6	22.0	36.8	59	27	51	289.9
80	285.6	94	10	157.3	94.7	355.0	20.8	34.7	62	28	37	397.8
81	180.1	84	10	142.7	89.5	341.8	19.4	28.1	64	27	34	266.8
82	299.2	96	3	151.7	82.4	333.4	22.2	36.1	55	26	38	260.1
83	311.9	87	8	139.4	85.1	324.6	19.6	30.6	62	28	38	170.1
84	225.7	88	9	149.2	93.1	344.8	19.6	32.2	63	28	38	268.5

- = No motile sperm for evaluation

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm²)
85	252.0	97	9	155.1	86.6	350.7	19.7	33.1	57	25	43	240.1
86	239.9	87	11	141.9	89.3	336.4	19.0	29.0	64	27	41	179.5
87	218.8	91	9	163.8	91.4	373.2	25.3	38.0	57	26	47	2243.2
88	319.1	97	20	177.6	111.0	405.9	21.4	32.2	64	28	40	491.5
89	269.6	84	5	152.1	85.7	340.6	22.6	34.5	57	26	37	206.8
90	204.0	94	13	159.8	96.7	358.6	19.5	35.1	62	29	38	312.2
91	Found dead											
92	182.2	94	5	183.0	96.8	416.8	25.1	38.8	54	24	48	375.1
93	389.8	97	12	161.4	92.7	361.3	20.5	36.5	58	27	43	224.5
94	142.6	96	13	160.0	101.2	379.5	20.4	28.2	64	27	43	379.3
95	72.8	82	16	148.4	101.5	377.8	18.4	29.9	69	27	36	189.8
96	265.6	97	31	159.3	110.6	375.5	18.4	31.5	71	30	36	304.7
97	218.5	7	5	88.9	76.8	120.4	23.9	29.0	86	68	32	109.5
98	98.4	64	0	105.8	55.5	218.0	41.5	42.2	55	28	32	143.5

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
99	330.0	96	7	156.8	85.3	344.4	24.9	38.0	56	26	49	436.6
100	289.2	80	5	98.1	67.6	224.9	20.4	34.6	71	35	36	155.0
101	182.5	78	2	140.4	78.2	312.6	22.0	31.4	56	26	38	208.2
102	127.6	83	20	149.0	103.2	357.1	18.0	30.6	70	29	34	210.6
103	124.5	96	14	161.2	100.6	394.0	20.6	30.1	63	26	36	351.6
104	90.7	92	21	167.5	108.2	392.3	20.4	30.4	65	28	36	229.3
105	99.7	90	18	145.8	103.9	367.6	18.5	27.8	71	29	39	171.3
106	82.7	3	0	105.2	80.4	248.8	27.2	36.7	71	36	36	123.3
107	232.1	88	11	148.8	95.0	343.3	18.3	30.0	64	29	34	457.6
108	217.6	84	11	155.8	96.4	363.4	19.8	36.5	63	28	35	292.2
109	317.3	94	7	141.6	84.9	301.3	26.7	35.8	60	30	38	185.1
110	197.6	83	7	140.8	85.7	324.3	21.2	35.3	61	28	41	290.8
111	201.9	81	6	145.6	81.8	320.0	22.1	36.7	57	27	43	205.0
112	104.1	78	15	144.6	99.1	354.6	18.4	29.9	69	29	33	185.7

Appendix 30 (continued) Individual Sperm Analysis – Concentration/Motility

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
225	83.8	87	18	135.9	92.7	337.2	17.9	28.7	69	28	38	208.0
226	143.0	86	6	133.2	83.2	330.7	18.4	29.3	63	25	39	175.0
227	80.9	98	3	175.9	88.7	391.0	24.2	39.5	52	24	48	253.1
228	207.0	91	12	173.9	98.6	383.9	22.1	33.7	57	27	41	350.0
229	177.1	90	7	149.0	87.8	326.2	21.9	33.2	61	29	39	456.5
230	65.9	87	15	143.6	91.4	345.7	18.1	31.9	65	28	38	300.5
231	141.0	93	12	161.2	102.8	367.0	23.0	32.0	64	29	38	248.3
232	Found dead											
233	141.2	73	13	142.1	94.2	324.1	19.3	28.5	67	30	42	165.7
234	124.0	93	7	158.5	97.3	362.4	22.1	31.4	61	28	39	205.6
235	208.4	95	6	151.5	85.7	332.5	19.9	36.1	57	27	44	196.5
236	150.5	97	5	167.8	87.8	363.0	20.4	40.8	54	25	49	197.6
237	131.1	83	7	132.1	75.6	293.4	19.3	31.2	60	27	39	283.9
238	250.6	94	7	163.1	90.4	362.6	20.1	34.4	57	27	40	475.0

Appendix 30 (continued) Individual Sperm Analysis – Concentration/Motility

(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
239	166.2	89	10	171.7	94.8	368.4	17.3	34.0	57	27	44	1365.9
240	170.3	98	10	138.8	87.3	306.2	18.4	29.4	64	29	37	228.6
241	150.5	97	7	164.2	90.6	365.5	24.6	38.7	57	26	41	485.4
242	39.1	62	0	117.7	59.0	217.2	12.9	30.5	52	29	44	163.3
243	34.1	40	4	123.8	84.0	264.3	15.1	32.9	69	34	37	145.1
244	91.3	94	9	148.6	95.3	338.1	22.8	25.2	65	30	39	286.2
245	94.7	81	21	140.1	100.1	319.4	18.7	27.8	72	32	38	157.7
246	140.3	88	11	163.7	96.0	354.0	18.0	32.9	60	28	42	286.4
247	145.1	96	5	168.0	91.0	393.3	26.6	42.6	55	24	52	942.0
248	221.4	91	10	160.6	95.0	364.2	21.8	32.5	60	27	44	292.1
249	60.5	78	27	148.3	108.4	320.9	18.1	27.4	75	36	39	151.4
250	207.0	97	8	155.2	87.8	354.4	21.7	30.5	58	26	38	353.6
251	198.9	92	12	150.5	92.4	332.2	22.1	31.9	62	29	40	250.7
252	174.4	93	13	151.7	90.0	355.8	18.3	34.3	61	27	40	209.7

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
253	92.6	88	25	154.2	108.5	358.1	18.2	26.9	71	31	38	270.7
254	123.0	81	4	137.7	79.0	352.0	24.0	35.9	58	23	42	213.3
255	168.9	97	20	166.1	109.2	364.7	20.7	28.6	67	31	37	305.1
256	43.2	99	4	158.6	80.7	387.1	24.0	45.7	51	22	52	445.6
257	94.9	92	11	151.2	93.7	336.7	18.3	32.4	62	28	41	305.5
258	101.3	82	17	156.9	104.9	359.1	20.5	28.4	67	30	36	170.6
259	58.6	77	14	155.1	96.5	369.7	18.7	32.5	65	28	38	251.7
260	248.6	91	6	152.4	85.4	337.5	21.7	35.0	57	26	41	403.3
261	136.2	97	8	155.1	83.5	356.4	25.2	38.0	55	25	50	433.5
262	212.5	93	11	144.2	86.4	297.0	20.3	34.3	61	31	40	146.7
263	124.4	96	6	163.4	88.4	358.2	19.4	38.7	56	26	45	233.6
264	202.3	98	4	151.8	80.6	342.8	24.1	39.6	54	25	46	199.2
265	232.9	96	6	157.8	87.2	357.7	21.5	33.6	57	25	47	464.8
266	239.7	96	8	158.1	94.3	358.4	20.6	28.8	61	27	40	260.2

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (μm^2)
267	199.6	95	11	152.0	91.4	353.2	20.8	33.4	60	27	40	438.2
268	139.6	95	17	161.1	103.2	364.9	21.9	32.6	65	29	37	174.2
269	184.6	92	11	144.8	86.3	316.4	22.6	32.2	62	30	40	329.3
270	25.6	2	0	-	-	-	-	-	-	-	-	-
271	71.1	19	0	81.5	52.7	164.9	0.0	60.0	62	32	36	96.9
272	161.4	99	10	150.0	84.1	314.7	20.3	38.6	58	29	55	1628.9
273	159.8	86	8	148.2	87.3	331.0	20.2	30.7	60	27	38	239.1
274	167.5	96	14	154.0	87.8	349.2	19.9	35.4	60	28	50	951.8
275	188.0	98	9	177.3	100.0	402.7	21.4	35.2	57	26	50	449.4
276	145.1	97	16	156.9	95.3	348.8	17.2	36.2	63	30	53	1951.5
277	185.3	92	8	156.4	85.4	350.3	19.0	35.9	56	26	43	1128.7
278	68.9	85	10	137.4	87.1	305.6	19.3	33.7	64	30	38	136.1
279	241.1	92	10	152.3	90.7	339.1	21.1	31.5	61	28	41	219.4
280	220.2	76	6	163.1	89.4	374.0	21.2	36.4	57	25	48	581.0

- = No motile sperm for evaluation

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (μm^2)
281	198.2	95	6	158.1	87.0	363.4	21.9	37.1	56	25	41	328.9
282	143.0	94	10	169.7	102.0	397.8	20.1	32.4	62	27	38	268.8
283	187.3	96	11	163.2	95.6	374.9	19.3	33.8	60	27	41	487.7
284	246.6	96	9	171.9	96.3	379.7	19.3	32.5	57	26	40	224.7
285	271.8	95	9	158.4	91.4	351.9	20.2	30.3	59	27	42	398.3
286	254.7	94	10	156.2	93.4	365.9	20.1	36.2	61	27	44	308.4
287	183.2	98	12	154.4	93.8	342.2	24.0	36.4	60	28	44	293.3
288	164.1	98	7	146.7	78.1	344.5	19.2	40.2	54	24	49	771.7
289	168.9	85	4	165.0	87.0	366.2	19.9	41.2	53	25	48	500.8
290	192.1	96	10	168.2	97.4	347.7	23.1	33.7	59	29	46	194.4
291	160.7	92	6	166.2	90.5	362.4	21.2	37.6	56	26	43	367.9
292	144.4	93	6	171.9	86.2	388.8	19.1	41.1	51	23	50	684.5
293	166.2	90	4	145.8	76.0	280.0	23.7	35.7	53	29	42	260.7
294	273.8	99	13	159.1	98.0	350.2	21.3	33.1	62	29	43	377.4

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**
(b) F_1 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm²)
295	212.5	96	12	143.3	84.3	315.5	19.2	36.3	60	28	42	354.0
296	136.2	94	6	153.8	85.2	354.8	17.9	39.2	56	25	41	328.3
297	59.1	73	20	117.4	85.7	271.7	16.1	26.2	74	32	35	159.9
298	31.6	6	0	48.5	43.3	55.5	0.0	15.0	89	78	0	0.0
299	91.3	83	13	138.2	92.9	314.7	20.2	29.3	68	31	37	177.8
300	87.5	90	18	157.8	98.2	360.6	19.5	28.9	64	30	38	235.8
301	156.6	96	12	149.0	92.2	338.8	19.9	30.5	63	28	40	306.8
302	57.2	71	10	164.5	104.0	361.8	18.9	27.4	65	30	34	158.2
303	138.9	97	9	160.7	88.2	355.7	20.9	35.3	57	25	50	575.2
304	158.0	94	6	169.1	83.0	358.6	21.1	37.6	50	24	56	295.4
305	160.7	93	13	151.0	94.8	349.5	22.8	33.7	64	28	39	436.0
306	255.4	96	11	155.0	88.8	346.5	17.7	32.7	58	27	46	212.7
307	244.5	97	7	167.4	90.1	354.9	21.2	30.5	56	26	39	291.6
308	146.4	89	11	165.1	95.7	381.2	19.6	33.8	59	26	40	216.9

Appendix 30 (continued) **Individual Sperm Analysis – Concentration/Motility**

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
309	236.3	94	11	164.2	95.8	363.8	19.5	32.8	59	27	40	355.7
310	196.8	95	7	161.0	90.8	370.7	21.8	41.0	57	26	46	914.1
311	69.8	97	8	160.7	86.7	389.3	22.0	36.6	56	24	41	642.0
312	160.3	91	9	177.4	100.6	396.7	22.0	35.6	57	26	41	337.0
313	26.1	91	5	116.4	67.6	206.5	17.7	36.1	59	34	41	155.2
314	301.0	97	9	111.4	63.1	176.8	12.8	33.5	57	37	42	238.9
315	165.5	89	7	159.3	91.3	369.7	19.8	33.0	59	26	40	385.0
316	138.9	99	8	162.7	93.0	385.7	21.6	38.6	58	26	49	835.3
317	130.3	98	11	141.9	83.4	326.0	17.4	32.4	61	27	47	475.6
318	49.5	28	0	55.4	44.8	96.3	15.4	48.0	81	46	15	105.7
319	57.4	92	19	142.8	95.7	339.7	18.5	31.0	68	29	37	147.9
320	214.5	93	5	129.7	72.1	285.8	22.3	33.3	57	26	39	232.6
321	149.8	91	5	165.4	86.3	375.5	21.1	41.5	53	24	52	433.0
322	237.0	94	13	145.2	88.9	347.6	18.3	33.8	63	28	43	548.4

Appendix 30 (continued) Individual Sperm Analysis – Concentration/Motility
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male number	Concentration (M/ml)	Motility (%)	Progressive motility (%)	Path velocity (µm/s)	Progressive velocity (µm/s)	Track speed (µm/s)	Lateral amplitude (µm)	Beat frequency (Hz)	Straightness (%)	Linearity (%)	Elongation (%)	Area (µm^2)
323	199.6	98	5	159.0	81.1	346.0	26.8	41.1	53	25	44	438.4
324	170.3	88	8	166.9	91.2	379.6	18.9	36.7	56	25	44	840.8
325	133.5	92	5	158.0	80.1	282.4	20.5	27.2	51	29	40	172.9
326	98.5	60	2	102.0	59.4	217.3	18.5	43.9	60	31	29	130.8
327	28.5	14	0	-	-	-	-	-	-	-	-	-
328	147.8	94	16	154.0	98.5	337.1	20.9	27.4	65	30	37	207.9
329	137.6	90	7	172.5	88.8	361.4	22.0	33.9	55	27	41	441.0
330	144.4	94	12	163.8	93.2	383.7	21.1	35.3	58	26	49	705.5
331	70.5	95	27	140.3	96.7	343.5	16.5	29.4	71	31	35	239.5
332	181.8	94	11	148.6	84.9	326.0	19.5	32.8	59	28	41	1015.4
333	133.9	98	11	168.8	99.2	384.4	22.2	32.0	61	28	40	309.7
334	119.4	88	12	149.6	92.3	323.7	18.6	28.8	64	30	38	193.8
335	138.5	90	9	174.0	97.1	402.0	23.1	34.6	57	25	40	288.1
336	145.3	98	11	149.0	88.5	329.6	20.4	30.0	61	28	41	353.0

- = No motile sperm for evaluation

Appendix 31 Individual Sperm Analysis – Morphology

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
1	17	0	100.0	12.0	0.0	17.6	0.0	9.0	0.0	68.2	0.0	0.0	0.0
2	17	0	100.0	11.9	0.0	17.8	0.0	8.1	0.0	67.2	0.0	0.0	0.0
3	28	0	100.0	12.0	0.0	17.5	0.0	8.6	0.0	69.1	0.0	0.0	0.0
4	52	0	100.0	12.1	0.0	17.4	0.0	8.6	0.0	69.7	0.0	0.0	0.0
5	35	0	100.0	12.1	0.0	17.4	0.0	7.9	0.0	69.7	0.0	0.0	0.0
6	1	0	100.0	12.7	0.0	18.2	0.0	8.6	0.0	69.8	0.0	0.0	0.0
7	47	0	100.0	12.0	0.0	17.1	0.0	7.7	0.0	70.7	0.0	0.0	0.0
8	16	0	100.0	12.0	0.0	17.2	0.0	7.6	0.0	69.9	0.0	0.0	0.0
9	18	0	100.0	12.1	0.0	17.4	0.0	9.3	0.0	69.8	0.0	0.0	0.0
10	51	0	100.0	11.9	0.0	17.5	0.0	8.0	0.0	68.2	0.0	0.0	0.0
11	39	0	100.0	12.1	0.0	16.8	0.0	7.1	0.0	72.1	0.0	0.0	0.0
12	26	0	100.0	12.0	0.0	17.2	0.0	8.4	0.0	69.6	0.0	0.0	0.0
13	21	0	100.0	12.3	0.0	17.6	0.0	8.7	0.0	70.1	0.0	0.0	0.0
14	48	0	100.0	12.2	0.0	17.2	0.0	8.2	0.0	70.7	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
15	26	0	100.0	12.2	0.0	17.1	0.0	8.0	0.0	71.2	0.0	0.0	0.0
16	39	0	100.0	12.3	0.0	17.3	0.0	8.1	0.0	71.3	0.0	0.0	0.0
17	34	0	100.0	12.0	0.0	17.3	0.0	7.9	0.0	69.7	0.0	0.0	0.0
18	15	0	100.0	11.6	0.0	17.0	0.0	8.3	0.0	68.4	0.0	0.0	0.0
19	27	0	100.0	12.3	0.0	17.5	0.0	8.4	0.0	70.5	0.0	0.0	0.0
20	25	0	100.0	12.3	0.0	17.5	0.0	9.0	0.0	70.2	0.0	0.0	0.0
21	13	4	76.5	11.6	9.9	17.4	17.1	9.2	8.9	66.6	58.4	0.0	0.0
22	28	0	100.0	12.1	0.0	17.4	0.0	7.8	0.0	69.5	0.0	0.0	0.0
23	23	0	100.0	12.2	0.0	17.1	0.0	7.9	0.0	71.1	0.0	0.0	0.0
24	49	0	100.0	11.9	0.0	17.5	0.0	9.0	0.0	68.2	0.0	0.0	0.0
25	32	0	100.0	12.0	0.0	17.5	0.0	9.3	0.0	69.0	0.0	0.0	0.0
26	92	0	100.0	12.1	0.0	17.2	0.0	8.1	0.0	70.2	0.0	0.0	0.0
27	15	0	100.0	11.9	0.0	17.2	0.0	9.8	0.0	69.7	0.0	0.0	0.0
28	37	0	100.0	12.1	0.0	17.6	0.0	8.0	0.0	68.7	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
29	20	0	100.0	11.8	0.0	18.0	0.0	8.7	0.0	65.7	0.0	0.0	0.0
30	37	0	100.0	12.0	0.0	17.4	0.0	8.4	0.0	69.0	0.0	0.0	0.0
31	27	0	100.0	11.8	0.0	17.7	0.0	8.1	0.0	67.1	0.0	0.0	0.0
32	44	0	100.0	12.1	0.0	17.4	0.0	7.4	0.0	70.0	0.0	0.0	0.0
33	41	0	100.0	12.1	0.0	17.4	0.0	7.9	0.0	69.3	0.0	0.0	0.0
34	28	0	100.0	12.1	0.0	17.3	0.0	8.9	0.0	69.9	0.0	0.0	0.0
35	27	0	100.0	12.2	0.0	17.5	0.0	8.4	0.0	69.5	0.0	0.0	0.0
36	47	0	100.0	12.1	0.0	17.5	0.0	9.0	0.0	69.0	0.0	0.0	0.0
37	41	0	100.0	12.1	0.0	16.8	0.0	8.0	0.0	72.1	0.0	0.0	0.0
38	65	0	100.0	12.2	0.0	17.0	0.0	8.4	0.0	71.6	0.0	0.0	0.0
39	8	0	100.0	11.8	0.0	16.6	0.0	8.5	0.0	71.4	0.0	0.0	0.0
40	47	0	100.0	12.0	0.0	17.1	0.0	8.3	0.0	70.1	0.0	0.0	0.0
41	23	0	100.0	11.9	0.0	17.5	0.0	9.1	0.0	68.6	0.0	0.0	0.0
42	33	0	100.0	12.0	0.0	17.2	0.0	8.2	0.0	69.4	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(a) F_0 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
43	23	0	100.0	11.7	0.0	16.9	0.0	7.4	0.0	68.9	0.0	0.0	0.0
44	20	0	100.0	12.2	0.0	17.1	0.0	8.3	0.0	71.0	0.0	0.0	0.0
45	33	0	100.0	12.1	0.0	17.4	0.0	8.3	0.0	69.5	0.0	0.0	0.0
46	43	0	100.0	12.1	0.0	17.6	0.0	8.8	0.0	68.9	0.0	0.0	0.0
47	44	0	100.0	12.1	0.0	17.4	0.0	8.1	0.0	69.2	0.0	0.0	0.0
48	42	0	100.0	12.2	0.0	17.6	0.0	8.2	0.0	69.7	0.0	0.0	0.0
49	25	0	100.0	12.1	0.0	17.4	0.0	9.0	0.0	69.7	0.0	0.0	0.0
50	19	0	100.0	12.1	0.0	17.7	0.0	8.0	0.0	68.5	0.0	0.0	0.0
51	25	1	96.2	12.0	8.9	17.5	17.7	8.6	9.1	69.0	50.3	0.0	0.0
52	24	0	100.0	11.9	0.0	17.6	0.0	8.5	0.0	67.6	0.0	0.0	0.0
53	15	0	100.0	11.9	0.0	17.2	0.0	8.1	0.0	69.1	0.0	0.0	0.0
54	42	0	100.0	12.2	0.0	17.2	0.0	8.8	0.0	70.9	0.0	0.0	0.0
55	25	0	100.0	12.2	0.0	17.5	0.0	8.4	0.0	69.9	0.0	0.0	0.0
56	40	0	100.0	12.0	0.0	17.3	0.0	8.0	0.0	69.5	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(a) F_0 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
57	37	0	100.0	11.9	0.0	17.1	0.0	8.2	0.0	69.8	0.0	0.0	0.0
58	Found dead												
59	18	0	100.0	12.0	0.0	17.6	0.0	8.0	0.0	68.5	0.0	0.0	0.0
60	21	0	100.0	12.0	0.0	17.5	0.0	8.4	0.0	68.8	0.0	0.0	0.0
61	43	0	100.0	12.1	0.0	17.1	0.0	8.1	0.0	71.1	0.0	0.0	0.0
62	19	0	100.0	12.1	0.0	17.3	0.0	8.0	0.0	69.9	0.0	0.0	0.0
63	36	0	100.0	12.1	0.0	17.4	0.0	8.5	0.0	69.6	0.0	0.0	0.0
64	31	0	100.0	11.8	0.0	16.4	0.0	7.7	0.0	72.3	0.0	0.0	0.0
65	44	0	100.0	12.0	0.0	16.9	0.0	8.2	0.0	71.0	0.0	0.0	0.0
66	105	0	100.0	12.1	0.0	17.0	0.0	7.6	0.0	71.1	0.0	0.0	0.0
67	29	0	100.0	12.3	0.0	17.1	0.0	8.7	0.0	72.0	0.0	0.0	0.0
68	68	0	100.0	12.0	0.0	17.2	0.0	8.9	0.0	70.2	0.0	0.0	0.0
69	42	0	100.0	12.1	0.0	17.6	0.0	8.3	0.0	68.8	0.0	0.0	0.0
70	21	0	100.0	12.0	0.0	17.4	0.0	8.8	0.0	69.0	0.0	0.0	0.0

Appendix 31 (continued) **Individual Sperm Analysis – Morphology**

(a) F_0 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
71	34	0	100.0	12.2	0.0	17.6	0.0	9.1	0.0	69.7	0.0	0.0	0.0
72	26	0	100.0	12.2	0.0	17.6	0.0	8.6	0.0	69.8	0.0	0.0	0.0
73	94	0	100.0	12.1	0.0	17.3	0.0	8.4	0.0	70.3	0.0	0.0	0.0
74	34	0	100.0	12.0	0.0	17.6	0.0	8.0	0.0	68.6	0.0	0.0	0.0
75	1	0	100.0	12.3	0.0	18.1	0.0	7.2	0.0	67.8	0.0	0.0	0.0
76	35	0	100.0	12.1	0.0	17.6	0.0	8.4	0.0	68.8	0.0	0.0	0.0
77	21	0	100.0	11.9	0.0	17.4	0.0	8.6	0.0	68.3	0.0	0.0	0.0
78	22	0	100.0	12.1	0.0	17.4	0.0	8.5	0.0	69.2	0.0	0.0	0.0
79	68	0	100.0	12.0	0.0	17.1	0.0	8.2	0.0	70.3	0.0	0.0	0.0
80	67	0	100.0	11.9	0.0	17.1	0.0	7.8	0.0	69.8	0.0	0.0	0.0
81	77	0	100.0	12.0	0.0	17.6	0.0	9.2	0.0	68.5	0.0	0.0	0.0
82	30	0	100.0	12.0	0.0	17.2	0.0	8.7	0.0	69.7	0.0	0.0	0.0
83	40	0	100.0	12.1	0.0	17.1	0.0	7.6	0.0	70.9	0.0	0.0	0.0
84	32	0	100.0	12.1	0.0	17.6	0.0	8.3	0.0	68.6	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
85	22	0	100.0	12.1	0.0	17.0	0.0	7.7	0.0	71.2	0.0	0.0	0.0
86	29	0	100.0	12.0	0.0	17.8	0.0	7.6	0.0	67.7	0.0	0.0	0.0
87	22	0	100.0	11.8	0.0	17.4	0.0	7.7	0.0	68.1	0.0	0.0	0.0
88	24	0	100.0	12.0	0.0	17.5	0.0	8.5	0.0	68.5	0.0	0.0	0.0
89	14	0	100.0	11.9	0.0	17.3	0.0	8.2	0.0	68.7	0.0	0.0	0.0
90	44	0	100.0	11.8	0.0	17.0	0.0	8.1	0.0	69.7	0.0	0.0	0.0
91	Found dead												
92	20	0	100.0	12.1	0.0	17.5	0.0	8.1	0.0	69.5	0.0	0.0	0.0
93	30	0	100.0	11.9	0.0	16.1	0.0	7.3	0.0	74.3	0.0	0.0	0.0
94	26	0	100.0	12.1	0.0	17.1	0.0	7.9	0.0	70.5	0.0	0.0	0.0
95	64	0	100.0	12.3	0.0	17.3	0.0	8.4	0.0	71.0	0.0	0.0	0.0
96	24	0	100.0	12.1	0.0	17.0	0.0	7.5	0.0	71.6	0.0	0.0	0.0
97	27	1	96.4	12.1	13.0	17.6	16.7	8.7	7.9	68.9	77.6	0.0	0.0
98	51	0	100.0	12.0	0.0	17.4	0.0	8.5	0.0	69.6	0.0	0.0	0.0

Appendix 31 (continued) **Individual Sperm Analysis – Morphology**

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
99	73	0	100.0	12.3	0.0	17.5	0.0	8.3	0.0	70.7	0.0	0.0	0.0
100	18	0	100.0	12.1	0.0	16.7	0.0	7.5	0.0	72.4	0.0	0.0	0.0
101	63	0	100.0	12.1	0.0	17.5	0.0	8.4	0.0	69.2	0.0	0.0	0.0
102	52	0	100.0	12.1	0.0	17.1	0.0	8.6	0.0	70.9	0.0	0.0	0.0
103	42	0	100.0	12.1	0.0	17.0	0.0	8.0	0.0	71.1	0.0	0.0	0.0
104	15	0	100.0	11.9	0.0	17.1	0.0	8.5	0.0	69.4	0.0	0.0	0.0
105	27	0	100.0	11.9	0.0	17.1	0.0	8.2	0.0	70.0	0.0	0.0	0.0
106	109	0	100.0	12.0	0.0	17.3	0.0	8.8	0.0	69.7	0.0	0.0	0.0
107	41	0	100.0	12.0	0.0	17.2	0.0	8.2	0.0	69.5	0.0	0.0	0.0
108	59	0	100.0	12.1	0.0	17.4	0.0	8.3	0.0	69.9	0.0	0.0	0.0
109	36	0	100.0	12.2	0.0	17.5	0.0	7.6	0.0	70.0	0.0	0.0	0.0
110	27	0	100.0	12.0	0.0	17.2	0.0	8.5	0.0	70.0	0.0	0.0	0.0
111	44	0	100.0	12.0	0.0	17.4	0.0	7.9	0.0	69.1	0.0	0.0	0.0
112	48	0	100.0	12.1	0.0	17.5	0.0	8.7	0.0	69.2	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
225	38	0	100.0	12.0	0.0	17.6	0.0	7.9	0.0	68.0	0.0	0.0	0.0
226	49	0	100.0	12.1	0.0	17.5	0.0	7.5	0.0	69.5	0.0	0.0	0.0
227	41	0	100.0	11.9	0.0	16.8	0.0	7.0	0.0	70.8	0.0	0.0	0.0
228	37	0	100.0	12.1	0.0	17.2	0.0	8.3	0.0	70.3	0.0	0.0	0.0
229	18	0	100.0	12.2	0.0	17.2	0.0	7.1	0.0	71.1	0.0	0.0	0.0
230	6	0	100.0	12.3	0.0	17.2	0.0	6.6	0.0	71.2	0.0	0.0	0.0
231	17	0	100.0	12.2	0.0	17.2	0.0	6.9	0.0	71.0	0.0	0.0	0.0
232	Found dead												
233	16	0	100.0	11.8	0.0	16.9	0.0	7.9	0.0	70.2	0.0	0.0	0.0
234	32	0	100.0	12.2	0.0	17.4	0.0	8.3	0.0	70.2	0.0	0.0	0.0
235	23	0	100.0	12.2	0.0	17.1	0.0	8.4	0.0	71.6	0.0	0.0	0.0
236	56	0	100.0	12.1	0.0	17.2	0.0	7.7	0.0	70.5	0.0	0.0	0.0
237	14	0	100.0	11.7	0.0	17.6	0.0	7.1	0.0	66.5	0.0	0.0	0.0
238	21	0	100.0	12.0	0.0	17.1	0.0	7.8	0.0	70.5	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
239	7	0	100.0	12.4	0.0	17.3	0.0	7.3	0.0	71.6	0.0	0.0	0.0
240	21	0	100.0	12.1	0.0	17.0	0.0	7.3	0.0	71.3	0.0	0.0	0.0
241	22	0	100.0	12.2	0.0	17.2	0.0	7.3	0.0	70.9	0.0	0.0	0.0
242	7	0	100.0	12.1	0.0	18.1	0.0	9.1	0.0	67.1	0.0	0.0	0.0
243	13	0	100.0	12.0	0.0	17.8	0.0	8.0	0.0	67.5	0.0	0.0	0.0
244	No sample available for analysis – technical error												
245	20	0	100.0	11.8	0.0	17.4	0.0	8.3	0.0	68.0	0.0	0.0	0.0
246	35	0	100.0	12.0	0.0	17.6	0.0	8.1	0.0	68.7	0.0	0.0	0.0
247	29	0	100.0	12.1	0.0	17.4	0.0	8.4	0.0	69.6	0.0	0.0	0.0
248	53	2	96.4	12.0	13.1	17.3	16.6	7.6	6.6	69.6	80.4	0.0	0.0
249	33	0	100.0	12.0	0.0	17.0	0.0	6.8	0.0	70.5	0.0	0.0	0.0
250	24	1	96.0	12.2	9.8	17.7	18.8	7.9	11.8	69.0	51.9	0.0	0.0
251	39	0	100.0	12.1	0.0	17.5	0.0	7.4	0.0	69.4	0.0	0.0	0.0
252	52	0	100.0	12.2	0.0	17.1	0.0	7.0	0.0	71.5	0.0	0.0	0.0

Appendix 31 (continued) **Individual Sperm Analysis – Morphology**

(b) F_1 Generation

DOSE LEVEL: 5 mg/kg/day

GROUP: 2

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
253	36	0	100.0	12.1	0.0	17.1	0.0	8.0	0.0	71.1	0.0	0.0	0.0
254	32	0	100.0	12.2	0.0	17.5	0.0	8.4	0.0	69.7	0.0	0.0	0.0
255	28	0	100.0	12.2	0.0	17.4	0.0	7.8	0.0	70.0	0.0	0.0	0.0
256	32	0	100.0	12.0	0.0	17.1	0.0	7.7	0.0	70.4	0.0	0.0	0.0
257	10	0	100.0	12.5	0.0	17.4	0.0	9.1	0.0	71.8	0.0	0.0	0.0
258	14	0	100.0	12.1	0.0	17.3	0.0	9.6	0.0	69.8	0.0	0.0	0.0
259	17	0	100.0	12.1	0.0	17.6	0.0	7.6	0.0	68.7	0.0	0.0	0.0
260	31	0	100.0	12.1	0.0	17.5	0.0	8.4	0.0	68.9	0.0	0.0	0.0
261	20	0	100.0	11.8	0.0	17.0	0.0	7.7	0.0	69.6	0.0	0.0	0.0
262	26	0	100.0	12.1	0.0	17.6	0.0	7.3	0.0	69.0	0.0	0.0	0.0
263	70	0	100.0	12.3	0.0	17.2	0.0	7.3	0.0	71.8	0.0	0.0	0.0
264	40	0	100.0	12.3	0.0	17.1	0.0	8.4	0.0	71.6	0.0	0.0	0.0
265	5	0	100.0	12.0	0.0	17.2	0.0	7.1	0.0	70.4	0.0	0.0	0.0
266	8	0	100.0	11.4	0.0	17.0	0.0	8.6	0.0	67.0	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology
(b) F_1 Generation

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
267	18	0	100.0	11.4	0.0	17.4	0.0	7.1	0.0	65.7	0.0	0.0	0.0
268	62	0	100.0	12.1	0.0	17.6	0.0	8.0	0.0	68.5	0.0	0.0	0.0
269	45	0	100.0	12.1	0.0	17.5	0.0	7.9	0.0	69.5	0.0	0.0	0.0
270	42	0	100.0	12.1	0.0	17.5	0.0	8.1	0.0	69.5	0.0	0.0	0.0
271	21	0	100.0	12.1	0.0	17.0	0.0	7.2	0.0	71.1	0.0	0.0	0.0
272	27	0	100.0	11.9	0.0	17.5	0.0	7.6	0.0	68.1	0.0	0.0	0.0
273	23	0	100.0	11.8	0.0	17.1	0.0	7.4	0.0	69.2	0.0	0.0	0.0
274	48	0	100.0	12.0	0.0	17.4	0.0	8.3	0.0	69.1	0.0	0.0	0.0
275	34	0	100.0	11.9	0.0	17.5	0.0	8.1	0.0	68.1	0.0	0.0	0.0
276	10	0	100.0	12.0	0.0	17.8	0.0	8.2	0.0	67.7	0.0	0.0	0.0
277	99	1	99.0	12.0	11.7	17.5	13.9	7.8	7.6	69.1	83.9	0.0	1.0
278	14	0	100.0	11.9	0.0	17.0	0.0	6.8	0.0	70.3	0.0	0.0	0.0
279	18	0	100.0	12.1	0.0	17.9	0.0	8.2	0.0	67.8	0.0	0.0	0.0
280	24	0	100.0	12.1	0.0	17.6	0.0	8.4	0.0	68.8	0.0	0.0	0.0

Appendix 31 (continued) **Individual Sperm Analysis – Morphology**

(b) F_1 Generation

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
281	10	0	100.0	12.1	0.0	17.1	0.0	7.0	0.0	70.9	0.0	0.0	0.0
282	15	0	100.0	12.0	0.0	17.2	0.0	8.1	0.0	70.0	0.0	0.0	0.0
283	25	0	100.0	12.0	0.0	17.0	0.0	7.1	0.0	70.8	0.0	0.0	0.0
284	20	0	100.0	12.0	0.0	17.2	0.0	7.9	0.0	69.6	0.0	0.0	0.0
285	4	0	100.0	12.1	0.0	17.6	0.0	9.3	0.0	68.7	0.0	0.0	0.0
286	47	0	100.0	12.0	0.0	17.1	0.0	8.1	0.0	70.1	0.0	0.0	0.0
287	39	0	100.0	12.1	0.0	17.6	0.0	8.2	0.0	68.7	0.0	0.0	0.0
288	19	0	100.0	11.9	0.0	17.3	0.0	8.0	0.0	68.6	0.0	0.0	0.0
289	23	0	100.0	12.3	0.0	16.9	0.0	6.6	0.0	73.2	0.0	0.0	0.0
290	27	0	100.0	12.2	0.0	17.5	0.0	8.2	0.0	69.8	0.0	0.0	0.0
291	36	0	100.0	12.2	0.0	17.4	0.0	7.4	0.0	70.4	0.0	0.0	0.0
292	49	0	100.0	12.1	0.0	17.0	0.0	7.0	0.0	71.3	0.0	0.0	0.0
293	17	0	100.0	12.0	0.0	17.1	0.0	8.7	0.0	70.1	0.0	0.0	0.0
294	28	0	100.0	11.5	0.0	17.4	0.0	7.6	0.0	66.4	0.0	0.0	0.0

Appendix 31 (continued) **Individual Sperm Analysis – Morphology**

(b) F_1 Generation

GROUP: 3

DOSE LEVEL: 30 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
295	27	0	100.0	11.9	0.0	17.5	0.0	8.1	0.0	68.5	0.0	0.0	0.0
296	22	0	100.0	12.0	0.0	17.1	0.0	7.9	0.0	70.7	0.0	0.0	0.0
297	39	0	100.0	11.9	0.0	17.4	0.0	7.9	0.0	68.2	0.0	0.0	0.0
298	34	0	100.0	12.2	0.0	17.5	0.0	7.5	0.0	69.7	0.0	0.0	0.0
299	12	0	100.0	12.0	0.0	17.1	0.0	7.8	0.0	70.5	0.0	0.0	0.0
300	18	0	100.0	11.9	0.0	17.3	0.0	7.5	0.0	69.1	0.0	0.0	0.0
301	46	0	100.0	11.8	0.0	17.3	0.0	7.3	0.0	68.6	0.0	0.0	0.0
302	24	0	100.0	12.2	0.0	17.5	0.0	7.5	0.0	70.1	0.0	0.0	0.0
303	54	0	100.0	12.0	0.0	17.1	0.0	7.9	0.0	69.8	0.0	0.0	0.0
304	43	0	100.0	11.8	0.0	17.4	0.0	8.0	0.0	68.2	0.0	0.0	0.0
305	15	0	100.0	12.3	0.0	17.2	0.0	8.3	0.0	71.7	0.0	0.0	0.0
306	16	0	100.0	12.2	0.0	17.3	0.0	7.4	0.0	70.3	0.0	0.0	0.0
307	18	0	100.0	12.0	0.0	17.6	0.0	8.1	0.0	68.4	0.0	0.0	0.0
308	11	0	100.0	12.2	0.0	16.7	0.0	7.6	0.0	73.3	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
309	11	0	100.0	11.9	0.0	17.4	0.0	7.9	0.0	68.3	0.0	0.0	0.0
310	23	0	100.0	11.9	0.0	17.2	0.0	7.6	0.0	69.0	0.0	0.0	0.0
311	19	0	100.0	12.2	0.0	17.3	0.0	8.0	0.0	70.8	0.0	0.0	0.0
312	11	0	100.0	12.1	0.0	16.6	0.0	8.1	0.0	73.4	0.0	0.0	0.0
313	20	0	100.0	12.1	0.0	17.4	0.0	7.7	0.0	69.5	0.0	0.0	0.0
314	20	0	100.0	11.9	0.0	17.7	0.0	8.4	0.0	67.4	0.0	0.0	0.0
315	23	0	100.0	11.7	0.0	17.1	0.0	8.1	0.0	68.5	0.0	0.0	0.0
316	25	0	100.0	12.1	0.0	16.7	0.0	6.9	0.0	72.4	0.0	0.0	0.0
317	7	0	100.0	12.0	0.0	18.2	0.0	9.5	0.0	65.7	0.0	0.0	0.0
318	17	0	100.0	11.8	0.0	17.8	0.0	8.1	0.0	66.3	0.0	0.0	0.0
319	11	0	100.0	11.3	0.0	17.2	0.0	7.8	0.0	66.0	0.0	0.0	0.0
320	25	0	100.0	11.7	0.0	17.5	0.0	8.0	0.0	66.6	0.0	0.0	0.0
321	5	0	100.0	12.4	0.0	17.1	0.0	6.5	0.0	72.4	0.0	0.0	0.0
322	26	0	100.0	11.9	0.0	17.7	0.0	7.6	0.0	67.1	0.0	0.0	0.0

Appendix 31 (continued) Individual Sperm Analysis – Morphology
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Male number	Number normal	Number abnormal	Number Normal (%)	Chord length (µm)		Arc length (µm)		Area (µm²)		Linearity (%)		Total tail defects (%)	Total cytoplasmic droplets (%)
				Normal	Abnormal	Normal	Abnormal	Normal	Abnormal	Normal	Abnormal		
323	25	0	100.0	12.0	0.0	17.4	0.0	7.2	0.0	69.3	0.0	0.0	0.0
324	22	0	100.0	11.9	0.0	17.1	0.0	7.7	0.0	69.7	0.0	0.0	0.0
325	30	0	100.0	12.2	0.0	17.3	0.0	6.8	0.0	70.5	0.0	0.0	0.0
326	21	0	100.0	12.2	0.0	17.3	0.0	7.7	0.0	70.5	0.0	0.0	0.0
327	22	0	100.0	12.3	0.0	17.6	0.0	8.0	0.0	70.1	0.0	0.0	0.0
328	29	0	100.0	12.2	0.0	17.6	0.0	8.4	0.0	69.2	0.0	0.0	0.0
329	80	0	100.0	12.0	0.0	17.2	0.0	7.4	0.0	70.0	0.0	0.0	0.0
330	33	0	100.0	11.9	0.0	17.1	0.0	7.4	0.0	69.5	0.0	0.0	0.0
331	58	0	100.0	12.0	0.0	17.4	0.0	7.7	0.0	69.1	0.0	0.0	0.0
332	42	0	100.0	12.0	0.0	17.5	0.0	8.0	0.0	68.6	0.0	0.0	0.0
333	41	0	100.0	11.9	0.0	17.3	0.0	8.0	0.0	69.2	0.0	0.0	0.0
334	21	0	100.0	12.0	0.0	16.8	0.0	7.3	0.0	71.7	0.0	0.0	0.0
335	15	0	100.0	12.1	0.0	17.0	0.0	7.6	0.0	71.3	0.0	0.0	0.0
336	69	0	100.0	12.2	0.0	17.5	0.0	8.1	0.0	69.6	0.0	0.0	0.0

Appendix 32 Individual Homogenisation Resistant Spermatid Counts

(a) F_0 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
1	89.7	359.2
2	79.4	272.5
3	93.3	215.1
4	68.0	232.3
5	82.3	305.9
6	89.0	132.2
7	80.9	262.5
8	87.0	220.9
9	81.8	203.2
10	74.9	438.0
11	83.4	287.7
12	81.9	221.5
13	64.6	270.8
14	89.5	254.1

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
15	76.2	191.4
16	97.7	208.2
17	78.1	322.5
18	81.9	466.6
19	71.0	407.9
20	62.9	344.2
21	76.3	189.7
22	75.7	142.1
23	88.4	223.2
24	73.3	194.3
25	88.5	216.3
26	85.4	291.3
27	83.3	132.9
28	69.9	208.8

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts

(a) F_0 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
85	85.8	205.5
86	102.3	259.6
87	86.9	230.3
88	77.8	243.7
89	73.1	248.2
90	103.2	341.2
91	Found dead	
92	99.8	-
93	91.2	583.4
94	75.4	245.0
95	82.4	281.4
96	77.0	233.7
97	61.9	300.8
98	93.5	380.0

- = Value excluded due to technical error

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
99	73.6	159.6
100	83.7	366.6
101	83.1	246.2
102	62.4	218.2
103	102.0	306.5
104	106.1	317.1
105	82.1	234.3
106	105.0	239.2
107	88.3	263.2
108	-	349.9
109	56.2	200.5
110	70.2	222.8
111	85.2	493.4
112	92.0	357.8

- = Value excluded due to technical error

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts

(b) F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
225	94.6	229.2
226	62.9	268.8
227	73.6	217.4
228	77.0	227.7
229	79.2	180.2
230	62.8	301.0
231	88.8	-
232	Found dead	
233	73.7	281.1
234	62.5	236.5
235	66.7	323.6
236	64.1	333.7
237	72.2	279.5
238	51.3	177.3

- = Value excluded due to technical error

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts
(b) F_1 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
239	77.1	190.0
240	71.6	265.2
241	70.6	202.5
242	69.7	236.7
243	62.8	213.5
244	75.5	261.1
245	89.3	261.2
246	86.4	263.2
247	66.8	265.2
248	71.2	320.1
249	52.6	234.3
250	58.5	240.9
251	72.4	365.9
252	68.1	234.3

Appendix 32 (continued) Individual Homogenisation Resistant Spermatid Counts

(b) F_1 Generation

DOSE LEVEL: 150 mg/kg/day

GROUP: 4

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
309	74.0	249.9
310	56.6	360.6
311	86.3	139.5
312	74.0	291.5
313	88.2	310.8
314	69.9	308.0
315	82.8	295.8
316	67.3	265.1
317	81.6	309.9
318	90.5	258.5
319	91.3	400.1
320	90.1	167.8
321	93.8	347.5
322	54.0	284.9

Appendix 32 (continued) **Individual Homogenisation Resistant Spermatid Counts**
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Animal Number	Spermatid Counts millions/gram	
	Testis	Cauda Epididymis
323	86.1	245.7
324	93.8	265.3
325	72.5	230.4
326	57.5	283.3
327	80.0	282.0
328	66.7	175.0
329	93.3	212.3
330	90.7	218.5
331	66.6	355.6
332	76.2	303.8
333	64.4	176.4
334	64.2	295.1
335	85.9	252.0
336	71.8	247.3

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Appendix 33 Individual Histopathological Findings – Males
(a) F_0 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Male number	Mode of Death	Tissue	Observation
1	Terminal kill	-	No abnormality detected
2	Terminal kill	Epididymis Right	Aspermia present
		Testis Right	Germinal epithelial absence present (correlates to gross finding)
		No abnormalities were found in any of the other tissues examined	
3	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – mild
		Adrenal 2	Zona fasciculata vacuolation – mild
		Testis Right	Single tubule germinal cell atrophy – minimal
		No abnormalities were found in any of the other tissues examined	
4	Terminal kill	Prostate	Interstitial lymphocytosis – mild
		No abnormalities were found in any of the other tissues examined	
5	Terminal kill	Prostate	Interstitial lymphocytosis – minimal
		No abnormalities were found in any of the other tissues examined	
6	Terminal kill	Epididymis Right	Aspermia present
			Degenerate sperm forms – minimal
		Testis Right	Germinal epithelium degeneration – mild (correlates to gross finding)
			Spermatid giant cells – minimal
		No abnormalities were found in any of the other tissues examined	
7	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
8	Terminal kill	-	No abnormality detected
9	Terminal kill	-	No abnormality detected
10	Terminal kill	-	No abnormality detected
11	Terminal kill	-	No abnormality detected
12	Terminal kill	-	No abnormality detected
13	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – mild
		Adrenal 2	Zona fasciculata vacuolation – mild
		No abnormalities were found in any of the other tissues examined	

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Appendix 33 (continued) Individual Histopathological Findings – Males
(a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Male number	Mode of Death	Tissue	Observation
14	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – mild
		Adrenal 2	Zona fasciculata vacuolation – mild
		Pituitary	Craniopharyngeal cyst present
		No abnormalities were found in any of the other tissues examined	
15	Terminal kill	Pituitary	Pars intermedia cyst – mild
		Seminal Vesicle 2	Slight contraction – present
		No abnormalities were found in any of the other tissues examined	
16	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation - minimal
		No abnormalities were found in any of the other tissues examined	
17	Terminal kill	Prostate	Interstitial lymphocytosis – mild
		No abnormalities were found in any of the other tissues examined	
18	Terminal kill	-	No abnormality detected
19	Terminal kill	-	No abnormality detected
20	Terminal kill	-	No abnormality detected
21	Terminal kill	Adrenal 1	Zona fasciculata vacuolation - minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
22	Terminal kill	Prostate	Interstitial lymphocytosis – mild
		No abnormalities were found in any of the other tissues examined	
23	Terminal kill	Prostate	Interstitial lymphocytosis – minimal
		No abnormalities were found in any of the other tissues examined	
24	Terminal kill	-	No abnormality detected
25	Terminal kill	Pituitary	Pars intermedia cyst – mild
		No abnormalities were found in any of the other tissues examined	
26	Terminal kill	-	No abnormality detected
27	Terminal kill	-	No abnormality detected
28	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	

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Appendix 33 (continued) Individual Histopathological Findings – Males

(a) F_0 Generation

GROUP: 2 DOSE LEVEL: 5 mg/kg/day

Male number	Mode of Death	Tissue	Observation
45	Terminal kill (Infertile)	-	No abnormality detected
55	Terminal kill (Infertile)	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation - minimal
		No abnormalities were found in any of the other tissues examined	

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Appendix 33 (continued) Individual Histopathological Findings – Males
(a) F_0 Generation

GROUP: 3 **DOSE LEVEL: 30 mg/kg/day**

Female number	Mode of Death	Tissue	Observation
58	Found dead	Liver	Terminal congestion – moderate (correlates to gross finding)
71	Terminal kill	-	No abnormality detected
75	Terminal kill (Infertile)	Epididymis Left	Aspermia present (correlates to gross finding)
		Epididymis Right	Aspermia present (correlates to gross finding)
		Testis Left	Germinal epithelium degeneration – moderate (correlates to gross finding)
		Testis Right	Germinal epithelium degeneration – moderate (correlates to gross finding)
		No abnormalities were found in any of the other tissues examined	

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Appendix 33 (continued) Individual Histopathological Findings – Males
(a) F_0 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Male number	Mode of Death	Tissue	Observation
85	Terminal kill	-	No abnormality detected
86	Terminal kill	Prostate	Purulent inflammation – minimal
		No abnormalities were found in any of the other tissues examined	
87	Terminal kill	Adrenal 1	Zona fasciculata vacuolation - minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		Testis Right	Single tubule germinal cell atrophy – mild
		No abnormalities were found in any of the other tissues examined	
88	Terminal kill	-	No abnormality detected
89	Terminal kill	-	No abnormality detected
90	Terminal kill	-	No abnormality detected
91	Found dead	Lungs	Extensive fibrinopurulent pleuritis present (correlates to gross finding)
		No abnormalities were found in any of the other tissues examined	
92	Terminal kill	-	No abnormality detected
93	Terminal kill	-	No abnormality detected
94	Terminal kill	-	No abnormality detected
95	Terminal kill	-	No abnormality detected
96	Terminal kill	-	No abnormality detected
97	Terminal kill	-	No abnormality detected
98	Terminal kill	-	No abnormality detected
99	Terminal kill	Prostate	Interstitial lymphocytosis – minimal
		No abnormalities were found in any of the other tissues examined	
100	Terminal kill	Pituitary	Craniopharyngeal cyst present
		Prostate	Purulent inflammation – minimal
		No abnormalities were found in any of the other tissues examined	
101	Terminal kill	-	No abnormality detected
102	Terminal kill	Prostate	Interstitial lymphocytosis – minimal
		No abnormalities were found in any of the other tissues examined	
103	Terminal kill	-	No abnormality detected (missing tissue adrenal 2)
104	Terminal kill	-	No abnormality detected

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Appendix 33 (continued) Individual Histopathological Findings – Males
(a) F_0 Generation

GROUP: 4 **DOSE LEVEL: 150 mg/kg/day**

Male number	Mode of Death	Tissue	Observation
105	Terminal kill	Pituitary	Pars intermedia cyst – minimal
		No abnormalities were found in any of the other tissues examined	
106	Terminal kill	Prostate	Interstitial lymphocytosis – minimal
		No abnormalities were found in any of the other tissues examined	
107	Terminal kill	-	No abnormality detected
108	Terminal kill	-	No abnormality detected
109	Terminal kill	-	No abnormality detected
110	Terminal kill	-	No abnormality detected
111	Terminal kill	-	No abnormality detected
112	Terminal kill	-	No abnormality detected

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Appendix 34 Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
113	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Mesometrial focal coagulative necrosis – mild
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
114	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
115	Total litter loss	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
116	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	
117	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous degenerating epithelium present
		No abnormalities were found in any of the other tissues examined	
118	Day 25+ (post coitum)	Uterus Body	Physiological dilatation present
		Uterus Horns x 2	Physiological dilatation present
		Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	
119	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females (a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Mode of Death	Tissue	Observation
120	Terminal kill	Mammary Gland	Mammary gland adenoma, neoplasm, benign (correlates to gross finding)
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous degenerating epithelium present
		No abnormalities were found in any of the other tissues examined	
121	Terminal kill	Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
122	Moribund kill	Adrenal 1	Cortical coagulative necrosis – moderate
		Uterus Body	Gross dilatation present
		Uterus Horns x 2	Gross dilatation present
			Luminal bacterial colonization – moderate
			Minimal gland acute inflammation present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
123	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
124	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
125	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
126	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
127	Terminal kill	Ovary 2	Follicular cyst present
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous keratinised epithelium present
		No abnormalities were found in any of the other tissues examined	
128	Terminal kill	Pituitary	Pars intermedia cyst – mild
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
129	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous degenerating epithelium present
		No abnormalities were found in any of the other tissues examined	
130	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
131	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
132	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females (a) F_0 Generation

GROUP: 1 **DOSE LEVEL: 0 mg/kg/day**

Female number	Mode of Death	Tissue	Observation
133	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
134	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
135	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
136	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
137	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
138	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
139	Terminal kill	Uterus Body	Gross dilatation present
			Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 1

DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
140	Terminal kill	Uterus Body	Physiological dilatation present
			Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 2 DOSE LEVEL: 5 mg/kg/day

Female number	Mode of Death	Tissue	Observation
157	Day 25+ (post coitum) (Infertile)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
167	Day 25+ (post coitum) (Infertile)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 3 DOSE LEVEL: 30 mg/kg/day

Female number	Mode of Death	Tissue	Observation
187	Terminal kill (Infertile)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
188	Terminal kill	Mammary Gland	Mammary gland adenoma, neoplasm, benign (correlates to gross finding)

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Appendix 34 (continued) Individual Histopathological Findings – Females (a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
197	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
198	Terminal kill	Ovary 1	No corpora lutea present
		Ovary 2	No corpora lutea present
		Uterus Body	Small siderotic area(s) present
		Vagina	Squamous keratinized epithelium present
		No abnormalities were found in any of the other tissues examined	
199	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
200	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
201	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
202	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
203	Terminal kill	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females

(a) F_0 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
204	Terminal kill	Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
205	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
206	Terminal kill	Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
207	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
208	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
209	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
210	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females (a) F_0 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
211	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
212	Terminal kill	Uterus Body	Physiological dilatation present
		Uterus Horns x 2	Physiological dilatation present
		Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	
213	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
214	Terminal kill	Ovary 1	No corpora lutea present
		Ovary 2	No corpora lutea present
		Uterus Body	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
215	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
216	Terminal kill	Eye Left	Cataract present (correlates to gross finding)
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females
(a) F_0 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
217	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
218	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
219	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
220	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
221	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
222	Terminal kill	Mammary Gland	Acinar activation – marked (correlates to gross finding)
		Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 34 (continued) Individual Histopathological Findings – Females (a) F_0 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
223	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
224	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 35 Individual Histopathological Findings – Males

(b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Male number	Mode of Death	Tissue	Observation
225	Terminal kill	-	No abnormality detected
226	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
227	Terminal kill	-	No abnormality detected
228	Terminal kill	-	No abnormality detected
229	Terminal kill	-	No abnormality detected
230	Terminal kill	-	No abnormality detected
231	Terminal kill	-	No abnormality detected
232	Found dead	Adrenal 1	Terminal congestion present
		Adrenal 2	Terminal congestion present
		Epididymis Right	Small in cross section present
		Lungs	Terminal congestion moderate
		Testis Right	Small in cross section present
		No abnormalities were found in any of the other tissues examined (missing tissues coagulating gland, prostate, seminal vesicle 1 and seminal vesicle 2)	
233	Terminal kill	Prostate	Interstitial lymphocytosis moderate
		No abnormalities were found in any of the other tissues examined	
234	Terminal kill	-	No abnormality detected
235	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
236	Terminal kill	Prostate	Interstitial lymphocytosis minimal
		No abnormalities were found in any of the other tissues examined	
237	Terminal kill	-	No abnormality detected
238	Terminal kill	Prostate	Interstitial lymphocytosis minimal
		No abnormalities were found in any of the other tissues examined	
239	Terminal kill	-	No abnormality detected (missing tissues Adrenal 1 and Adrenal 2)
240	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
241	Terminal kill	-	No abnormality detected
242	Terminal kill	-	No abnormality detected

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Appendix 35 (continued) Individual Histopathological Findings – Males
(b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Male number	Mode of Death	Tissue	Observation
243	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
244	Terminal kill	-	No abnormality detected
245	Terminal kill	-	No abnormality detected
246	Terminal kill	-	No abnormality detected (missing tissues Epididymis Right and Pituitary)
247	Terminal kill	Adrenal 1	Zona fasciculata vacuolation – minimal
		Adrenal 2	Zona fasciculata vacuolation – minimal
		No abnormalities were found in any of the other tissues examined	
248	Terminal kill	-	No abnormality detected
249	Terminal kill	Prostate	Interstitial lymphocytosis mild
		No abnormalities were found in any of the other tissues examined	
250	Terminal kill	-	No abnormality detected
251	Terminal kill	Testis Right	Tubule dilatation mild
			Single tubule germinal cell atrophy minimal
		No abnormalities were found in any of the other tissues examined	
252	Terminal kill	-	No abnormality detected

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Appendix 35 (continued) Individual Histopathological Findings – Males
(b) F_1 Generation

GROUP: 2 DOSE LEVEL: 5 mg/kg/day

Male number	Mode of Death	Tissue	Observation
		There were no significant abnormalities for this group	

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Appendix 35 (continued) Individual Histopathological Findings – Males
(b) F_1 Generation

GROUP: 3 DOSE LEVEL: 30mg/kg/day

Male number	Mode of Death	Tissue	Observation
293	Terminal kill	Testis Right	Germinal epithelial absence present (correlates to gross finding)
		No abnormalities were found in any of the other tissues examined	
300	Terminal kill	-	No abnormality detected

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Appendix 35 (continued) Individual Histopathological Findings – Males
(b) F_1 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Male number	Mode of Death	Tissue	Observation
309	Terminal kill	-	No abnormality detected
310	Terminal kill	-	No abnormality detected
311	Terminal kill	-	No abnormality detected
312	Terminal kill	Prostate	Interstitial lymphocytosis minimal
		No abnormalities were found in any of the other tissues examined	
313	Terminal kill	-	No abnormality detected
314	Terminal kill	-	No abnormality detected
315	Terminal kill	Prostate	Interstitial lymphocytosis minimal
		No abnormalities were found in any of the other tissues examined	
316	Terminal kill	-	No abnormality detected
317	Terminal kill	-	No abnormality detected
318	Terminal kill	Prostate	Interstitial lymphocytosis minimal
		No abnormalities were found in any of the other tissues examined	
319	Terminal kill	Liver	Centriacinar lipidosis mild (correlates to gross finding)
		Lungs	Fibrinopurulent pleuritis present (correlates to gross finding)
			Pneumonitis mild (correlates to gross finding)
		Thymic Lymph Nodes	Plasmacytic proliferation mild (correlates to gross finding)
		No abnormalities were found in any of the other tissues examined (missing tissue coagulating gland)	
320	Terminal kill	-	No abnormality detected
321	Terminal kill	-	No abnormality detected
322	Terminal kill	-	No abnormality detected
323	Terminal kill	-	No abnormality detected
324	Terminal kill	-	No abnormality detected
325	Terminal kill	-	No abnormality detected
326	Terminal kill	-	No abnormality detected
327	Terminal kill	-	No abnormality detected
328	Terminal kill	-	No abnormality detected
329	Terminal kill	Epididymis Right	Extratubular spermatozoa mild
		No abnormalities were found in any of the other tissues examined	
330	Terminal kill	-	No abnormality detected
331	Terminal kill	-	No abnormality detected
332	Terminal kill	Prostate	Interstitial lymphocytosis mild
		No abnormalities were found in any of the other tissues examined	

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Appendix 35 (continued) Individual Histopathological Findings – Males
(b) F_1 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Male number	Mode of Death	Tissue	Observation
333	Terminal kill	-	No abnormality detected
334	Terminal kill	-	No abnormality detected
335	Terminal kill	-	No abnormality detected
336	Terminal kill	-	No abnormality detected

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Appendix 36 Individual Histopathological Findings – Females
(b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
337	Day 25+ (post coitum)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
338	Terminal kill	Pituitary	Craniopharyngeal cyst present
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
339	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
340	Terminal kill	Adrenal 2	X-zone – minimal
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
341	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
342	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
343	Terminal kill	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
344	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Focal necrosis of attachment area present
		No abnormalities were found in any of the other tissues examined (missing tissue vagina)	

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female Number	Mode of Death	Tissue	Observation
345	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
346	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
347	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		No abnormalities were found in any of the other tissues examined (missing tissue vagina)	
348	Found dead	Adrenal 1	Haemorrhagic - moderate
		Adrenal 2	Haemorrhagic - moderate
		Lungs	Fibrinopurulent pleuritis present (correlates to gross finding)
			Pneumonitis – mild (correlates to gross finding)
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
349	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined (missing tissue cervix)	
350	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
351	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females
(b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
352	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Physiological dilatation present
			Small siderotic area(s) present
		Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	
353	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
354	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
355	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
356	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
357	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
358	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
359	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 1 DOSE LEVEL: 0 mg/kg/day

Female number	Mode of Death	Tissue	Observation
360	Terminal kill	Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
361	Terminal kill	Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
362	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
363	Terminal kill	Adrenal 2	Haemorrhagic – mild, focal
		Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
364	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 2 DOSE LEVEL: 5 mg/kg/day

Female number	Mode of Death	Tissue	Observation
366	Found dead	Lungs	Terminal congestion – moderate (correlates to gross finding)
377	Found dead	Lungs	Fibrinopurulent pleuritis present (correlates to gross finding)
			Terminal congestion – moderate (correlates to gross finding)

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 3 DOSE LEVEL: 30 mg/kg/day

Female number	Mode of Death	Tissue	Observation
398	Day 25+ (post coitum)	Uterus Horns x 2	Physiological dilatation present
		Vagina	Squamous keratinized epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females
(b) F_1 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
421	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Physiological dilatation present
		Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	
422	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
423	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
424	Terminal kill	Pituitary	Craniopharyngeal cyst present
		Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
425	Terminal kill	Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
426	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
427	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
428	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
429	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Physiological dilatation present
			Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
430	Terminal kill	Uterus Body	Small siderotic area(s) present
		No abnormalities were found in any of the other tissues examined (missing tissue vagina)	
431	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
432	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
433	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
434	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
435	Found dead	Lungs	Fibrinopurulent pleuritis present (correlates to gross finding)
			Pulmonary abscess – moderate (correlates to gross finding)
		Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females
(b) F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
436	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
437	Terminal kill	Uterus Body	Focal mineralized fibrotic plaque – mild
			Small siderotic area(s) present
		Uterus Horns x 2	Physiological dilatation present
			Small siderotic area(s) present
		Vagina	Squamous keratinized epithelium present
		No abnormalities were found in any of the other tissues examined	
438	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
439	Day 25+ (post coitum)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
440	Day 25+ (post coitum)	Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
441	Moribund Sacrifice	Adrenal 1	Zona fasciculata hypertrophy – moderate (correlates to gross finding)
		Adrenal 2	Zona fasciculata hypertrophy – moderate (correlates to gross finding)
		Uterus Horns x 2	Placentation present
			Purulent endometritis – moderate (correlates to gross finding)
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
442	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
443	Terminal kill	Vagina	Trilaminar epithelium present
		No abnormalities were found in any of the other tissues examined	

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Appendix 36 (continued) Individual Histopathological Findings – Females (b) F_1 Generation

GROUP: 4 DOSE LEVEL: 150 mg/kg/day

Female number	Mode of Death	Tissue	Observation
444	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Squamous epithelium present
		No abnormalities were found in any of the other tissues examined	
445	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
446	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
447	Terminal kill	Uterus Body	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	
448	Terminal kill	Uterus Body	Small siderotic area(s) present
		Uterus Horns x 2	Small siderotic area(s) present
		Vagina	Mucified epithelium present
		No abnormalities were found in any of the other tissues examined	

Appendix 37 Individual Oocyte Assessment
F_1 Generation

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Female Number	Ovary 1			Ovary 2			Overall Values		
	Mean S	Mean G	Mean A	Mean S	Mean G	Mean A	Mean S	Mean G	Mean A
338	6.8	1.4	1.2	4.8	2.0	1.8	5.8	1.7	1.5
340	3.0	0.6	1.6	2.2	2.4	0.4	2.6	1.5	1.0
342	3.0	1.4	0.2	1.6	0.8	0.2	2.3	1.1	0.2
344	3.6	0.6	0.4	4.0	0.6	1.4	3.8	0.6	0.9
348	5.0	0.8	1.6	11.2	1.6	1.2	8.1	1.2	1.4
353	6.8	1.6	0.8	8.4	0.8	0.6	7.6	1.2	0.7
354	2.6	0.2	1.2	3.6	0.6	0.2	3.1	0.4	0.7
356	2.6	0.8	0.8	4.0	0.6	0.6	3.3	0.7	0.7
360	2.4	1.0	1.0	2.6	0.4	0.4	2.5	0.7	0.7
364	3.0	1.8	1.0	2.2	1.0	0.2	2.6	1.4	0.6

S = small follicle G = medium follicle A = large follicle

Appendix 37 (continued) **Individual Oocyte Assessment**

F_1 Generation

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Female Number	Ovary 1			Ovary 2			Overall Values		
	Mean S	Mean G	Mean A	Mean S	Mean G	Mean A	Mean S	Mean G	Mean A
422	2.6	0.6	1.6	1.2	0.0	0.6	1.9	0.3	1.1
424	1.2	0.2	0.0	5.8	0.4	0.4	3.5	0.3	0.2
426	2.6	0.2	0.6	7.8	0.0	0.6	5.2	0.1	0.6
429	3.4	1.2	0.6	4.4	0.2	1.4	3.9	0.7	1.0
433	2.2	0.2	0.0	2.4	0.0	0.0	2.3	0.1	0.0
437	1.8	0.2	0.6	9.2	0.6	0.6	5.5	0.4	0.6
442	2.8	0.2	0.6	1.2	0.2	0.0	2.0	0.2	0.3
444	5.2	0.0	0.2	9.8	1.2	0.4	7.5	0.6	0.3
445	1.8	0.0	0.6	2.8	0.6	0.0	2.3	0.3	0.3
448	1.6	0.4	0.2	1.6	0.8	0.2	1.6	0.6	0.2

S = small follicle G = medium follicle A = large follicle

Appendix 38 Parental Relationships
F_0 and F_1 Generations

DOSE LEVEL: 0 mg/kg/day

GROUP: 1

Parental F_0 Generation		Selected F_1 Offspring		Parental F_0 Generation		Selected F_1 Generation	
Male Number	Female Number	Male Number	Female Number	Male Number	Female Number	Male Number	Female Number
1	113	244	356	15	127	246	359
2	114	225	337	16	128	247	360
3	115	-	-	17	129	229	341
4	116	233	345	18	130	236	348
5	117	449	454	19	131	230	342
6	118	-	-	20	132	237 238	349 350
7	119	245	357	21	133	231	343
8	120	226 227	338 339	22	134	239	351
9	121	-	358	23	135	250 251	363
10	122	-	-	24	136	248	361
11	123	249	362	25	137	240 241	354 355
12	124	234	346	26	139	252	364
13	125	228	340	27	140	242 243	354 355
14	126	235	347				

- = Not applicable

Appendix 38 (continued) Parental Relationships
F_0 and F_1 Generations

GROUP: 2

DOSE LEVEL: 5 mg/kg/day

Parental F_0 Generation		Selected F_1 Offspring		Parental F_0 Generation		Selected F_1 Generation	
Male Number	Female Number	Male Number	Female Number	Male Number	Female Number	Male Number	Female Number
29	141	279	391	43	155	267	379
30	142	254	366	44	156	256 257	368 369
31	143	253	365	45	157	-	-
32	144	263	375	46	158	275	387
33	145	270	382	47	159	258	370
34	146	271	383	48	160	276	388
35	147	264 265	376 377	49	161	259	371
36	148	450	455	50	162	268	380
37	149	255	367	51	163	277	389
38	150	272 273	384 385	52	164	260	372
39	151	280	392	53	165	261 262	373 374
40	152	274	386	54	166	278	390
41	153	-	-	55	167	-	-
42	154	266	378	56	168	269	381

- = Not applicable

Appendix 38 (continued) Parental Relationships
F_0 and F_1 Generations

DOSE LEVEL: 30 mg/kg/day

GROUP: 3

Parental F_0 Generation		Selected F_1 Offspring		Parental F_0 Generation		Selected F_1 Generation	
Male Number	Female Number	Male Number	Female Number	Male Number	Female Number	Male Number	Female Number
57	169	451	456	71	183	303	414
58	170	294	406	72	184	284 285	396 397
59	171	281	393	73	185	304	415
60	172	307	419	74	186	290	402
61	173	282	394	75	187	-	-
62	174	295 296	407 408	76	188	291	403
63	175	297 298	409 410	77	189	308	420
64	176	299	411	78	190	292	404
65	177	300	412	79	191	286 287	398 399
66	178	289	401	80	192	288	400
67	179	301	413	81	193	293	405
68	180	283	395	82	194	-	-
69	181	-	-	83	195	305	416 417
70	182	302	-	84	196	306	418

- = Not applicable

Appendix 38 (continued) Parental Relationships F_0 and F_1 Generations

GROUP: 4

DOSE LEVEL: 150 mg/kg/day

Parental F_0 Generation		Selected F_1 Offspring		Parental F_0 Generation		Selected F_1 Generation	
Male Number	Female Number	Male Number	Female Number	Male Number	Female Number	Male Number	Female Number
85	197	329	442	99	211	311	423
86	198	317	429	100	212	331	-
87	199	330	443	101	213	320	433
88	200	323	436	102	214	312	424
89	201	318	430	103	215	313 314	425 426
90	202	309	421	104	216	332	444
86	203	-	457	105	217	452	458
92	204	324	437	106	218	315	427
93	205	319	431 432	107	219	321	434
94	206	334	446	108	220	316	428
95	207	310	422	109	221	335	447
96	208	325 326	438 439	110	222	322	435
97	209	327	440	111	223	333	445
98	210	328	441	112	224	336	448

- = Not applicable

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 **Individual Offspring Bodyweight during Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	113

DOSE GROUP:	1
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	5:30	DEAD	1
DATE	17.10.01	18.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A-G
DATE	18.10.01 am/pm*		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE MM
FEMALE WEIGHT (g)	315	M or F					
PUP WEIGHTS (g) 1	6.6	M	9.0	13.0	27.6	41.0	2.27
2	6.6	M	9.6	14.4	27.2	43.6	2.22
3	6.4	M	9.2	14.1	28.9	44.7	2.38
4	6.8	M	8.9	11.9	23.8	39.3	2.50
5	6.3	M	9.5	14.4	26.8	41.7	2.04
6	6.4	M	9.9	14.7	28.2	42.3	2.05
7	5.9	F	8.1	12.6	26.0	42.3	0.74
8	6.6	F	9.1	12.3	24.9	41.3	1.67
9	6.1	F	9.2	14.4	26.3	41.2	1.13
10	6.4	F	9.3	13.2	24.9	40.6	1.08
11	6.0	F	8.3	13.0	24.6	39.1	1.20
12	6.7	F	8.8	12.8	24.7	41.7	1.19
13	6.0	F	8.9	13.3	26.0	41.7	1.22
14	6.2	F	9.3	14.0	27.3	43.2	1.19
15	6.1	F	7.0	8.8	—	—	1.19
16							
17							
18							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	114	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	15
SIGNATURE	m	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE mm
FEMALE WEIGHT (g)	346	M or F					+① 16/10/01 ⊖
PUP WEIGHTS (g) 1	6.4	M	10.1	15.3	29.7	45.6	2.40
2	6.7	M	9.9	15.7	31.4	49.4	2.71
3	6.4	M	10.0	15.5	29.1	48.2	2.83
4	6.6	M	10.1	15.2	21.3	48.1	2.95
5	5.4	M	10.2	15.7	32.0	50.0	2.50
6	6.4	M	10.4	16.3	31.6	49.5	2.67
7	6.0	M	9.0	14.7	29.6	45.3	2.67
8	5.3	M	-	-	-	-	2.59
9	6.1	F	9.4	15.1	30.7	48.1	0.78
10*	6.5	F	9.0	14.1	28.6	44.4	1.25
11	5.9	F	9.6	14.7	29.7	46.7	0.84
12	6.2	F	9.7	15.4	30.1	48.4	1.22
13	6.2	F	9.3	14.0	27.8	43.4	1.71
14	6.0	F	9.2	14.2	28.8	45.4	0.71
15	6.2	F	9.3	14.0	27.9	46.3	1.49
16							
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19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	115

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A-G
DATE	18.10.01 ~~am~~/pm*		21/10/01				DISTANCE MM
FEMALE WEIGHT (g)	364	M or F					
PUP WEIGHTS (g) 1	5.3	M	–	–	–	–	2.51
2	5.7	M	–	–	–	–	2.63
3	5.6	M	–	–	–	–	2.91
4	6.1	M					2.64
5	6.1	M					2.61
6	6.0	M					2.64
7	6.1	M	–	–	–	–	2.65
8	5.9	M	4.7	–	–	–	2.65
9	5.2	F					1.07
10	5.6	F	T	L	C		1.01
11	5.8	F					1.09
12	6.2	F	22/10/01 [illegible]				1.08
13	5.2	F	–	–	–	–	1.10
14	5.5	F					1.08
15	5.5	F					1.09
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	116	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	17
SIGNATURE	[signature]	mr	SIGNATURE /DATE	mr 17/10/01

DAY P.P.	1		4	7	14	21	A-G
DATE	17/10/01 am/pm*		20 17-10-01	23/10/01	30.10.01	06/11/01	DISTANCE mm
FEMALE WEIGHT (g)	401	M or F	*Θ 20-10-01				
PUP WEIGHTS (g) 1	6.1	M	8.3	8.6	–	–	2.06
2	6.6	M	9.7	13.1	28.8	44.6	2.38
3	6.6	M	9.1	14.7	23.4	40.4	2.23
4	6.2	M	9.8	17.2	36.4	50.3	2.59
5	6.1	M	9.2	16.6	31.3	46.8	2.67
6	6.2	M	7.9	12.9	28.9	40.6	2.35
7	6.3	M	7.0	14.6	28.8	45.8	2.35
8	6.6	M	8.8	11.9	14.8	28.4	2.85
9	6.5	F	10.4	15.3	31.0	45.2	1.36
10	6.5	F	10.6	15.6	32.1	49.0	1.43
11	5.8	F	9.0	12.1	23.1	37.1	0.92
12	6.5	F	10.4	15.7	31.9	46.8	1.35
13	5.7	F	8.6	12.5	–	–	0.82
14	5.8	F	7.3	8.4	19.3	35.7	0.87
15	6.4	F	8.9	11.1	23.6	30.0	1.15
16	6.0	F	9.1	13.7	28.6	43.2	1.18
17	6.1	F	8.1	11.1	27.7	40.5	1.11
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	117

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	4.30	8.30	DEAD	0
DATE	30-10-01	31-10-01	TOTAL	17
SIGNATURE	S	S	SIGNATURE /DATE	S 31-10-01 @S31-10-01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	31/10/01 am/pm*	@S 31-10-01	3/11/01	06/11/01	13/11/01	20/11/01	DISTANCE
FEMALE WEIGHT (g)	~~267~~ 368	M or F		+@06/11/01			
PUP WEIGHTS (g) 1	5.3	M	6.7	10.4	30.6	39.1	2.36
2	5.1	M	6.5	11.1	30.1	37.8	2.31
3	5.7	M	7.3	11.9	32.3	38.0	2.27
4	4.1	M	—	—	—	—	2.29
5	5.1	M	7.7	13.4	34.7	38.0	2.63
6	5.6	M	6.8	10.6	30.1	35.0	2.39
7	5.2	M	6.4	9.6	28.8	35.7	2.59
8	5.5	M	7.1	11.9	32.1	39.2	2.54
9	5.4	M	6.8	11.4	33.6	39.4	2.41
10	5.3	M	6.3	10.8	20.7	37.6	2.48
11	5.0	M	4.9	6.0	24.1	23.3	2.51
12	4.1	F	-	—	—	—	0.89
13	4.7	F	4.9	5.9	23.9	25.8	0.96
14	5.5	F	6.7	11.5	30.6	39.2	1.01
15	4.8	F	5.4	7.8	29.7	33.0	0.99
16	5.6	M	6.1	10.1	28.1	37.7	2.32
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

Animal number 118 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	119

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	12:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A-G
DATE	18.10.01 ~~am~~/pm*		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE MM
FEMALE WEIGHT (g)	301	M or F					
PUP WEIGHTS (g) 1	8.5	M	10.9	15.3	27.6	40.3	2.49
2	7.9	M	10.4	14.5	24.3	40.3	3.15
3	8.3	M	9.8	13.6	24.6	39.0	3.00
4	8.3	M	10.1	14.9	25.3	39.4	3.18
5	8.0	M	10.1	14.6	23.4	36.7	2.93
6	7.4	M	9.1	14.2	26.2	38.8	3.01
7	7.8	M	9.6	13.5	24.3	38.09	3.21
8	8.4	M	10.8	15.2	26.2	40.0	2.77
9	7.9	M	10.8	15.1	23.0	38.5	2.09
10	6.8	F	8.6	11.5	19.9	32.0	1.01
11	7.3	F	9.2	12.7	23.2	36.4	1.21
12	7.9	F	9.9	13.6	23.6	35.9	1.39
13	7.3	F	10.0	13.5	25.1	41.7	1.18
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	120	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	overnight	8:30	DEAD	0
DATE	15/16. 10.01	16.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible]16.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16/10.01 am/pm*		19.10.01	22/10/01	29/10/01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	331	M or F					
PUP WEIGHTS (g) 1	7.3	M	10.6	15.0	28.4	47.0	2.76
2	7.4	M	9.6	15.3	28.9	45.0	2.52
3	7.2	M	9.7	15.0	28.5	45.6	2.40
4	6.6	M	9.4	13.1	24.2	39.6	2.79
5	7.5	M	9.5	15.2	28.5	44.3	2.92
6	7.0	M	9.2	14.3	27.6	44.9	2.45
7	6.6	M	8.4	10.7	20.5	36.1	2.83
8	6.9	M	8.5	9.4	—	—	1.98
9	7.1	M	~~9.7~~ 8.7	14.4	28.6	44.0	2.89
10	6.6	F	8.7	13.5	27.1	42.7	1.00
11	6.8	F	9.2	14.5	27.4	44.3	1.40
12	6.9	F	9.5	14.1	27.6	41.1	1.16
13	6.7	F	9.0	12.3	23.7	41.1	1.07
14	6.5	F	7.7	10.6	23.1	39.7	1.16
15	6.8	F	9.0	14.6	28.5	45.3	1.26
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	121

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	18
TIME	4.30	8.30	DEAD	0
DATE	18/10/01	19.10.01	TOTAL	18
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	19.10.01 am/pm		22/10/01	25/10/01 (26/10/01)	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	351	M or F					
PUP WEIGHTS (g) 1	5.7	M	5.9	–	–	–	1.92
2	5.0	M	–	–	–	–	2.46
3	5.6	M	5.4	–	–	–	2.27
4	5.9	M	6.5	–	–	–	2.79
5	5.4	M	5.3	–	–	–	2.63
6	5.5	M	–	–	–	–	2.83
7	5.4	M	6.5	–	–	–	2.84
8	5.9	M	6.2	–	–	–	3.01
9	5.6	M	5.9	–	–	–	2.91
10	5.3	F	6.2	6.6	16.5	30.4	1.43
11	4.8	F	5.1	7.2	20.5	33.4	1.43
12	4.5	F	4.5	–	–	–	1.20
13	5.2	F	5.4	6.5	20.1	34.9	1.03
14	5.3	F	5.8	7.1	–	–	1.24
15	4.7	F	5.3	6.1	15.9	30.9	1.07
16	4.9	F	5.6	6.7	21.8	36.9	1.18
17	5.1	F	5.1	–	–	–	1.22
18	5.2	F	5.3	7.0	18.9	33.3	1.09
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

Animal number 122 killed *in extremis.*

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	123

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	8
TIME	12.30	4.30	DEAD	0
DATE	19/10/01	19/10/01	TOTAL	8
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 19/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	20/10/01 am/pm*		23/10/01	26/10/01	2.11.01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	365	M or F					
PUP WEIGHTS (g) 1	8.0	M	9.7	15.2	30.4	47.8	2.49
2	7.3	M	10.4	15.6	29.2	44.8	2.67
3	7.3	F	9.7	14.0	28.6	46.4	0.94
4	6.8	F	9.3	15.3	29.9	47.9	1.01
5	6.6	F	9.4	13.8	28.8	47.5	1.03
6	6.4	F	9.4	14.2	29.6	45.2	0.95
7	7.2	F	9.6	14.6	28.2	45.2	1.18
8	6.4	F	9.7	14.7	29.5	46.0	1.0
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

@09/11/01 [signature]

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	124	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	11
SIGNATURE		MC	SIGNATURE /DATE	MC 17/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17/10/01 am/pm*		19-10	23/10/01	30/10/01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	332	M or F	20.10.01				
PUP WEIGHTS (g) 1	7.9	M	10.2	15.0	30.7	49.9	2.35
2	8.3	M	11.8	18.8	35.2	59.3	2.27
3	8.7	M	11.2	15.9	32.0	49.9	3.24
4	7.7	M	10.4	15.5	31.5	48.2	2.75
5	5.8	M	8.7	12.0	17.2	28.9	2.35
6	8.3	F	11.8	18.8	34.4	52.7	0.96
7	7.8	F	11.0	16.4	32.2	52.1	1.10
8	7.7	F	11.4	17.8	32.0	54.4	1.32
9	7.5	F	9.2	15.2	29.1	47.8	1.09
10	7.4	F	11.0	17.2	31.8	48.6	0.88
11	8.1	F	11.1	16.2	28.1	44.6	1.03
12							
13							
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	125

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	4.30	8.30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	18
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A.G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	328	M or F					
PUP WEIGHTS (g) 1	5.6	M	7.5	10.8	23.6	35.7	2.29
2	5.7	M	7.8	11.4	25.5	31.5	2.81
3	5.5	M	5.0	–	–	–	2.51
4	6.1	M	8.0	13.0	26.0	38.9	2.60
5	6.4	M	8.2	10.4	–	–	2.77
6	5.9	M	7.7	12.4	24.7	36.4	2.17
7	6.2	M	7.9	10.9	24.5	38.1	2.76
8	5.6	M	7.3	11.7	25.0	36.7	2.27
9	6.0	M	7.4	9.0	22.1	34.4	2.13
10	5.5	M	6.6	10.5	23.2	34.7	2.71
11	5.9	F	7.8	11.2	24.0	36.2	1.24
12	5.4	F	6.1	9.3	18.8	29.3	1.05
13	4.2	F	–	–	–	–	0.86
14	5.5	F	7.8	12.4	26.2	38.9	1.13
15	5.3	F	6.8	10.4	22.6	32.9	1.02
16	5.9	F	7.0	9.7	22.2	35.4	1.30
17	4.9	F	5.3	–	–	–	0.76
18	5.5	F	7.1	8.8	20.3	31.4	0.83
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	126	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	15
SIGNATURE		mm	SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17/10/01 am/pm*		20.10.01	23/10/01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	395	M or F	+(A) 17/10/01 el		* 8.30 + mm		
PUP WEIGHTS (g) 1	6.7	M	10.7	15.3	30.8	49.0	2.14
2	6.9	M	9.2	14.5	28.9	43.2	2.65
3	6.1	M	8.3	11.7	26.5	44.1	2.23
4	6.0	M	7.9	6.7	~~29.8~~ *	—	2.65
5	6.1	M	9.0	13.4	30.2	44.8	2.27
6	6.2	M	9.3	15.0	33.8	49.4	2.96
7*	6.7	M	9.7	13.3	32.2	47.1	2.55
8	6.4	+ ~~M~~ F	10.0	15.9	30.1	46.8	+ ~~2.35~~
9	6.5	+ ~~F~~ M	9.2	14.2	29.8	47.7	+ ~~2.57~~
10	6.3	F	8.7	13.2	27.8	45.6	1.23
11	5.6	F	7.7	13.3	26.6	42.3	1.09
12	6.5	F	9.6	14.2	28.4	44.1	0.91
13	5.9	F	9.7	15.1	29.9	48.1	1.12
14	5.9	F	9.3	14.6	30.0	46.3	1.01
15	6.1	F	9.5	14.7	29.5	46.6	0.94
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	127

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	4.30	8:30	DEAD	0
DATE	18/10/01	19.10.01	TOTAL	11
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	19.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	19.10.01 ~~am~~/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	304	M or F			+(B) 25/10/01 [signature]	(A)(H) 08/11/01 [signature]	
PUP WEIGHTS (g) 1	8.5	M	12.5	17.9	33.3	56.5	3.08
2	7.6	M	11.4	16.6	31.3	56.0	3.34
3	8.3	M	12.1	18.1	34.6	58.6	3.31
4	7.9	M	11.8	17.7	34.3	56.7	3.88
5	8.4	M	12.0	17.4	~~13.0~~ 33.3	55.2	3.25
6	8.6	M	12.6	18.4	34.4	57.3	3.34
7	7.7	M	11.7	17.7	32.5	53.7	3.77
8	8.5	M	12.8	18.6	33.2	56.9	3.52
9	7.7	F	11.2	16.8	31.9	51.5	1.42
10	8.2	F	12.7	18.0	33.3	54.1	1.63
11	7.9	F	12.0	17.8	32.6	52.0	1.58
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	128	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	12:30	4.30	DEAD	0
DATE	18.10.01	18/10/01	TOTAL	12
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 18/10/01

DAY P.P.		1		4	7	14	21	A-G MM
DATE		19/10/01 am/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)		339	M or F					⊕ Ⓑ 08/11/01 ⊖
PUP WEIGHTS (g)	1	6.4	M	9.0	13.6	28.9	46.0	3.11
	2	6.6	M	8.0	9.3	–	–	2.10
	3	6.8	M	9.7	14.1	27.4	40.8	2.31
	4	6.4	M	8.8	13.3	30.1	45.1	2.97
	5	6.8	M	9.5	13.0	27.2	~~50.5~~ 44.0	2.97
	6	7.5	M	10.5	15.6	32.7	50.6	2.53
	7	6.9	M	9.4	13.0	27.4	~~37.7~~ 40.9	2.26
	8	6.6	F	9.4	13.0	26.3	41.6	0.62
	9	6.6	F	9.0	13.7	26.4	45.4	0.97
	10	6.0	F	8.2	12.3	25.3	40.7	0.70
	11	6.3	F	8.1	10.5	22.5	40.7	1.49
	12	6.6	F	9.4	13.0	30.0	45.6	1.14
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	129

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	14
SIGNATURE	mn	[illegible]	SIGNATURE /DATE	16.10.01

DAY P.P.	1		4	7	14	21	A.G mm
DATE	16.10.01 am/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	329	M or F					+Ⓐ 16/10/01 E
PUP WEIGHTS (g) 1	6.4	M	9.0	13.7	26.0	41.8	2.30
2	6.6	M	9.6	14.2	26.1	42.1	2.27
3	6.3	M	8.6	12.6	26.0	40.9	2.85
4	6.4	M	9.2	13.6	25.5	39.4	2.54
5	6.4	M	9.5	14.2	25.6	41.1	2.89
6	7.2	M	9.4	14.1	26.5	42.1	2.27
7	7.0	F	9.2	13.4	25.7	39.1	1.12
8	6.86 +	F	8.6	12.7	24.1	39.4	0.82
9	6.4	F	8.0	11.2	23.5	38.9	1.07
10	6.5	F	8.4	12.8	23.9	41.7	1.03
11	6.3	F	8.1	12.4	23.9	42.6	0.84
12	6.3	F	8.5	12.8	25.7	42.7	1.15
13	6.3	F	8.8	12.4	25.3	42.3	1.08
14	6.2	F	8.4	12.9	25.1	39.4	1.27
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	130	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	8
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	8
SIGNATURE		mr	SIGNATURE /DATE	mr 17/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	am/pm*		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	320	M or F					
PUP WEIGHTS (g) 1	7.4	M	10.6	14.8	32.0	50.2	2.31
2	7.3	M	10.6	16.2	32.0	49.0	3.01
3	7.4	M	11.3	17.0	33.6	52.2	2.72
4	7.7	M	12.0	17.9	35.7	56.9	2.57
5	7.7	M	11.3	17.3	33.7	51.3	3.08
6	7.2	M	10.6	16.1	32.8	51.3	2.82
7	7.2	F	10.9	17.1	33.0	50.6	0.93
8	6.8	F	10.0	15.9	32.6	52.2	1.02
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	131

DOSE GROUP:	1
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8:30	DEAD	1
DATE	15/10/01	16.10.01	TOTAL	14
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	358	M or F					
PUP WEIGHTS (g) 1	5.8	M	8.4	12.9	26.0	41.6	2.49
2	5.8	M	8.4	12.7	25.0	41.5	2.53
3	6.7	M	9.6	14.4	27.7	42.9	2.00
4	6.3	M	9.5	14.1	26.8	42.3	2.69
5	6.3	M	8.8	13.4	26.3	41.2	2.23
6	5.9	F	8.5	13.1	25.4	41.0	1.18
7	5.5	F	8.2	11.8	24.0	37.8	1.10
8	6.4	F	9.6	13.8	26.9	44.3	1.17
9	6.3	F	9.2	13.6	25.5	40.9	1.21
10	6.0	F	8.7	13.0	25.8	43.5	1.20
11	6.2	F	8.3	10.5	22.9	36.9	0.85
12	6.4	F	9.6	14.3	26.6	41.5	0.97
13	6.2	F	8.9	12.6	24.9	40.7	1.02
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	132	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13.
TIME	8:30	12:30	DEAD	0
DATE	16.10.01	16.10.01	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17.10.01 am/~~pm~~*		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	328	M or F					
PUP WEIGHTS (g) 1	8.1	M	10.8	15.7	26.7	47.1	3.46
2	8.3	M	11.0	16.6	29.5	46.8	2.75
3	7.8	M	10.4	15.0	27.3	43.2	2.80
4	7.8	M	10.8	15.5	29.1	46.6	2.74
5	7.5	M	10.1	14.7	27.4	43.8	2.83
6	7.1	M	10.4	14.8	27.5	44.9	2.89
7	7.0	F	10.1	14.6	27.8	45.6	1.00
8	7.6	F	10.7	15.2	28.3	48.0	0.91
9	7.0	F	9.9	14.1	26.6	46.0	1.00
10	7.4	F	9.6	14.1	26.1	42.1	1.66
11	8.2	F	10.1	15.1	26.0	43.1	1.32
12	7.5	F	10.6	14.8	27.7	44.7	1.24
13	7.1	F	10.2	14.5	27.7	44.3	0.88
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	133

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4.30	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	16
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1	4	7	14	21	A-G mm
DATE	16.10.01 ~~am/pm*~~	19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	338					

x missing in error

PUP WEIGHTS (g)			M or F					
	1	6.8	M	9.5	14.3	26.4	38.0	2.44
	2	6.4	M	9.3	14.2	26.8	37.9	2.81
	3	6.1	M	-	-	-	-	2.80
	4	6.5	M	9.4	14.4	28.1	41.1	2.57
	5	6.9	M	10.1	14.9	27.3	33.2	2.72
	6	6.3	M	8.6	13.0	22.4	41.6	2.81
	7	7.0	M	10.1	15.3	29.1	43.0	2.65
	8	6.5	F	9.3	13.8	25.3	37.8	1.03
	9	7.0	F	10.2	14.8	25.8	40.1	0.91
	10	6.2	F	9.0	12.7	25.5	38.3	1.02
	11	7.0	F	10.1	14.3	26.6	40.3	0.89
	12	6.9	F	9.3	14.3	26.0	35.2	1.04
	13*	6.5	F	8.7	12.3	23.2	35.2	1.14
	14	6.5	F	9.4	13.7	23.5	37.9	1.17
	15	5.5	F	8.0	12.5	25.6	38.5	0.72
	16	~~*~~ 6.8	F	8.7	12.3	22.5	35.5	x
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	134	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	1
DATE	16/10/01	17/10/01	TOTAL	14
SIGNATURE		MM	SIGNATURE /DATE	MM 17/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	am/pm*		20.10.01	20.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	343	M or F					
PUP WEIGHTS (g) 1	6.6	M	9.6	14.6	27.5	41.1	2.58
2	7.2	M	10.0	15.5	30.4	46.5	2.51
3	6.5	M	9.8	13.3	26.5	44.3	2.58
4	6.5	M	9.7	15.1	29.3	44.3	2.52
5	6.4	M	9.8	13.8	27.5	41.0	2.58
6	6.7	M	9.6	14.4	27.0	44.4	2.53
7	6.6	M	9.7	14.4	24.3	40.1	2.27
8	7.1	M	10.0	16.5	28.0	42.1	2.18
9	6.6	M	9.5	13.5	27.7	44.0	2.76
10	6.37	M	9.5	14.5	28.2	43.9	2.62
11	6.2	F	9.1	13.6	26.2	38.3	0.87
12	5.7	F	8.4	12.7	24.8	38.0	1.29
13	6.0	F	9.1	13.8	27.1	44.1	1.01
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	135

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	9
TIME	8:30	12:30	DEAD	0
DATE	19.10.01	19/10/01	TOTAL	9
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19/10/01

DAY P.P.	1		4	7	14	21	A-G [illegible]
DATE	20/10/01 ~~8:30~~ am/~~pm~~*		23/10/01	26/10/01	2-11-01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	332	M or F	23/10/01		2.11.01	09/11/01	
PUP WEIGHTS (g) 1	8.8	M	13.9	20.1	39.3	61.3	2.72
2	8.2	M	13.4	20.0	39.5	~~60~~ 64.4	2.58
3	8.6	M	13.2	19.9	38.2	58.8	2.59
4	7.8	M	12.4	18.6	35.7	63.2	2.75
5	8.4	M	13.1	20.0	37.3	61.3	2.92
6	7.9	F	13.2	19.2	37.9	60.0	1.21
7	8.5	F	13.4	19.2	37.2	58.9	1.04
8	7.1	F	11.7	17.8	35.7	56.3	1.19
9	7.6	F	12.7	19.1	36.9	60.2	1.20
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	136	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	overnight	8:30	DEAD	0
DATE	18/19 10.01	19.10.01	TOTAL	18
SIGNATURE			SIGNATURE /DATE	19.10.01

DAY P.P.	1		4	7	14	21	A-S mm
DATE	19.10.01 am/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	380	M or F					
PUP WEIGHTS (g) 1	6.1	M	8.0	12.4	25.3	38.4	1.77
2	6.2	M	8.8	14.6	26.5	36.6	2.60
3	5.2	M	7.1	8.2	—	—	2.56
4	6.6	M	9.1	13.2	25.3	37.5	2.84
5	6.5	M	7.6	10.9	21.2	32.8	2.72
6	6.4	M	8.6	13.1	23.2	35.8	2.73
7	6.2	M	9.2	13.1	25.8	37.0	2.64
8	7.1	M	9.6	13.9	28.2	42.6	2.94
9	6.3	M	8.9	9.9	—	—	2.62
10	6.6	M	8.7	12.6	22.1	32.5	2.63
11	6.5	M	8.9	12.7	20.7	30.6	2.86
12	7.0	M	9.1	13.1	26.5	38.1	2.40
13	6.5	M	8.0	11.8	24.1	36.6	2.91
14	6.5	F	8.1	11.3	22.1	33.4	1.21
15	6.7	F	9.0	14.6	27.0	42.5	1.22
16	5.2	F	6.8	9.2	18.7	31.3	1.23
17	6.1	F	8.8	13.2	23.7	35.9	1.15
18	5.7	F	8.2	12.1	25.0	39.6	1.01
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	137

DOSE GROUP:	1
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	8:30	12:30	DEAD	0
DATE	16.10.01	16.10.01	TOTAL	17
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	0

DAY P.P.	1	4	7	14	21	A-9 mm
DATE	17.10.01 am/~~pm~~*	20.10.01	20-10-01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	434					

PUP WEIGHTS (g)		M or F					
1	7.4	m	10.5	18.2	33.3	50.3	2.79
2	8.1	m	10.7	15.8	29.5	46.3	3.08
3	7.7	m	11.3	16.3	31.8	49.9	2.87
4	7.2	m	10.7	13.1	26.2	42.2	2.37
5	6.4	m	9.6	11.9	22.8	35.8	2.36
6	7.5	m	—	—	—	—	3.19
7	7.2	m	10.9	14.6	26.0	42.7	2.41
8	4.3	m	5.9	—	—	—	1.69
9	5.8	F	8.8	13.3	27.4	43.6	0.99
10	6.5	F	9.8	13.2	27.5	41.3	0.93
11	6.7	F	9.6	11.0	—	—	1.11
12	6.7	F	9.8	13.4	27.5	39.5	0.77
13	6.6	F	8.6	—12.0	23.5	39.8	0.90
14	7.2	F	11.4	15.8	28.4	45.1	1.02
15	7.6	F	10.1	14.5	27.7	44.5	0.79
16	7.4	F	11.3	18.7	32.7	49.6	0.75
17	6.2	F	9.3	12.9	21.9	40.1	0.79
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	138	GENERATION:	P → F_1

	LITTERING		PUPS BORN	
	STARTED*	FINISHED*	LIVE	19
TIME	4:30	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	19
SIGNATURE	m	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	379	M or F					
PUP WEIGHTS (g) 1	5.4	M	6.9	-	—	—	2.55
2	5.6	M	6.2	6.7	—	—	1.87
3	5.6	M	6.6	6.0	—	—	2.69
4	6.2	M	7.6	10.7	—	—	2.54
5	6.2	M	6.9	—	—	—	2.61
6	6.2	M	6.0	—	—	—	2.46
7	5.9	M	6.3	6.8	—	—	2.57
8	5.5	M	6.3	6.7	21.5	40.0	2.84
9	5.1	F	5.6	—	—	—	1.35
10	5.4	F	5.2	4.7	—	—	1.15
11	5.7	F	6.7	—	—	—	1.14
12	5.7	F	5.5	—	—	—	1.36
13	5.6	F	5.5	4.7	—	—	1.14
14	5.3	F	5.7	—	—	—	1.08
15	5.6	F	6.1	6.9	—	—	1.16
16	5.7	F	6.7	7.8	23.4	40.4	0.85
17	5.8	F	6.2	—	—	—	1.01
18	5.7	F	6.5	—	—	—	1.06
19	5.9	F	4.7	—	—	—	1.02
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	139

DOSE GROUP:	1
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	1
DATE	19/10/01	19/10/01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19/10/01 [illegible]

DAY P.P.	1		4	7	14	21	A-G mm
DATE	20/10/01 am/pm*		23/10/01	26/10/01	2.11.01	[illegible]9/11/01	DISTANCE
FEMALE WEIGHT (g)	380.6	M or F				[illegible]9/11/[illegible]01	
PUP WEIGHTS (g) 1	7.3	M	10.5	14.7	30.0	47.4	2.50
2	6.5	M	8.7	11.9	—	—	2.65
3	7.2	M	10.1	13.6	28.2	45.5	2.96
4	7.2	M	9.6	12.9	29.8	50.6	2.73
5	7.0	M	10.0	12.6	—	—	2.54
6	6.7	F	9.7	14.2	30.2	50.4	1.03
7	6.1	F	7.1	9.5	—	—	1.08
8	7.5	F	9.9	11.7	—	—	1.15
9	6.0	F	7.0	9.7	—	—	1.18
10	6.7	F	9.8	12.2	—	—	1.00
11	5.9	F	8.8	~~13.4~~ 13.9	35.3	52.4	1.11
12	6.6	F	8.3	10.4	23.6	38.6	1.20
13	6.0	F	8.8	12.7	30.3	48.0	1.05
14	7.2	F	9.9	13.8	—	—	1.12
15	7.2	F	9.7	13.4	—	—	1.16
16							
17							
18							
19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	140	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	15
SIGNATURE		mr	SIGNATURE /DATE	mr 17/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	am/pm*		20.10.01	20.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	340	M or F					
PUP WEIGHTS (g) 1	6.7	M	9.4	14.1	28.8	43.1	2.39
2	6.5	M	9.3	14.0	27.7	42.0	2.85
3	6.7	M	9.4	13.9	30.7	45.6	2.64
4	6.4	M	8.5	13.8	26.8	40.6	2.51
5	6.9	M	9.3	14.3	28.5	42.1	2.32
6	6.6	M	9.4	14.5	26.6	41.8	2.88
7	6.7	F	9.2	14.2	27.4	46.1	1.45
8	6.8	F	9.1	13.4	26.2	41.6	1.20
9	6.6	F	8.6	12.9	26.4	41.0	1.25
10	7.0	F	9.6	16.2	28.9	44.2	1.07
11	6.4	F	8.9	14.4	26.5	43.2	1.45
12	6.2	F	8.3	12.5	25.8	40.2	1.03
13	6.5	F	9.3	13.7	27.4	41.7	1.15
14	6.0	F	8.9	12.9	27.9	44.0	1.10
15	6.5	F	9.3	13.8	24.7	38.3	1.21
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	141	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	8:30	12.30	DEAD	2
DATE	19.10.01	19/10/01	TOTAL	16
SIGNATURE			SIGNATURE /DATE	19/10/01

DAY P.P..	1	4	7	14	21	A-G	
DATE	20/10/01 am/pm	23/10/01	26/10/01	2.11.01	08/11/01	DISTANCE	
FEMALE WEIGHT (g)	387						

PUP WEIGHTS (g)			M or F					
	1	8.2	M	11.4	17.7	34.4	53.0	2.56
	2	7.9	M	11.8	16.1	32.8	51.9	2.53
	3	7.1	M	10.2	15.7	29.3	46.0	2.48
	4	7.0	M	10.2	16.2	31.2	55.8	3.10
	5	8.4	M	12.9	19.1	35.2	58.8	2.91
	6	8.2	M	[illegible]	19.5	34.7	59.2	2.79
	7	7.7	M	10.3	13.0	24.8	43.0	2.73
	8	4.1	M	12.4	18.0	36.0	59.1	2.76
	9	6.9	M	10.2	15.6	31.7	52.3	2.7[illegible]
	10	7.4	F	10.9	13.0	—	—	1.34
	11	7.7	F	11.6	18.3	35.2	58.1	1.33
	12	7.4	F	10.3	16.1	30.9	49.8	1.[illegible]
	13	6.9	F	9.5	13.9	28.6	48.3	1.69
	14	7.6	F	11.1	15.7	32.0	49.4	1.27
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	142	GENERATION:	P → F_1

	LITTERING		PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	12:30	12:30	DEAD	0
DATE	16.10.01	16.10.01	TOTAL	14
SIGNATURE			SIGNATURE /DATE	16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17.10.01 am/~~pm~~		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	319	M or F					
PUP WEIGHTS (g) 1	7.8	M	9.6	12.8	26.8	42.6	2.96
2	6.2	M	8.9	12.4	—	—	2.73
3	7.4	M	11.5	17.6	32.4	53.4	2.43
4	7.2	M	9.2	15.7	30.9	49.1	2.46
5	5.5	M	7.5	11.6	25.7	41.4	2.14
6	7.0	F	9.8	13.9	24.4	42.2	1.18
7	6.6	F	10.0	14.8	29.1	46.6	0.96
8	5.5	F	8.2	11.3	23.5	36.0	1.07
9	6.7	F	10.4	15.4	27.4	45.9	1.21
10	7.0	F	11.3	16.3	31.6	48.6	1.02
11	7.4	F	10.9	15.8	31.6	51.1	0.54
12	6.3	F	10.0	15.8	30.1	45.4	0.70
13	7.2	F	11.0	16.4	30.8	51.1	0.95
14	7.4	F	11.5	14.7	29.6	47.1	0.75
15							
16							
17							
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19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	143	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	overnight	8:30	DEAD	0
DATE	15/16.10.01	16.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE/DATE	[illegible] 16.10.01

+(A) 16/10/01 [illegible]

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	330	M or F					
PUP WEIGHTS (g) 1	6.4	M	8.3	10.3	22.1	34.9	2.94
2	7.0	M	8.9	13.1	23.8	36.8	2.58
3	6.4	M	9.1	14.3	28.1	42.3	2.87
4	6.8	M	8.3	13.0	26.6	39.1	2.98
5	6.3	M	8.9	12.9	24.2	37.3	2.80
6	6.8	M	8.2	13.8	24.9	39.7	2.37
7	7.1	M	9.4	13.6	24.3	36.5	2.83
8	7.0	M	8.9	13.7	26.5	40.1	2.69
9	6.6	M	9.4	13.7	28.7	36.5	2.37
10	6.8	+~~M~~ F	9.1	11.0	24.5	42.4	1.28
11	6.1	F	8.6	13.7	26.9	41.0	1.09
12	6.5	F	8.5	12.9	27.8	43.6	0.89
13	6.2	F	8.1	11.0	23.8	36.5	1.00
14	6.1	F	7.8	12.1	23.1	36.1	1.38
15	6.0	F	7.1	10.3	21.4	35.2	1.13
16	6.3	F	7.6	11.4	21.5	33.7	1.11
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	144	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	14
SIGNATURE			SIGNATURE /DATE	18.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	320	M or F					
PUP WEIGHTS (g) 1	7.0	M	9.0	13.4	26.5	42.4	2.35
2	6.2	M	9.5	15.9	24.9	40.3	2.41
3	6.2	M	8.3	12.2	23.4	37.5	2.43
4	6.1	M	8.7	12.8	24.8	40.2	2.88
5	6.1	F	8.6	13.2	23.3	36.1	1.28
6	6.5	F	8.1	12.0	21.8	33.2	1.63
7	6.7	F	8.8	14.5	26.8	42.6	1.27
8	6.5	F	9.2	15.5	24.8	40.2	0.99
9	6.4	F	8.7	12.9	24.4	39.7	1.24
10	6.2	F	8.2	11.8	21.9	37.9	1.17
11	6.6	F	9.1	13.3	26.2	42.7	1.22
12	5.9	F	7.1	10.0	22.3	34.6	1.08
13	6.8	F	9.1	13.8	26.7	41.6	1.15
14	5.5	F	8.0	11.9	22.2	35.3	1.16
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256
FEMALE NUMBER:	145

DOSE GROUP:	2
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	overnight	8:30	DEAD	1
DATE	18/19.10.01	19.10.01	TOTAL	17
SIGNATURE	[redacted]	[redacted]	SIGNATURE/DATE	[redacted]

DAY P.P.	1	4	7	14	21	A-G mm
DATE	19.10.01 am/pm	22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	41.3		25/10/01			

PUP WEIGHTS (g)		M or F					
1	7.1	M	—	—	—	—	2.25
2	7.6	M	10.0	14.9	28.7	47.5	2.67
3	7.7	M	10.6	15.7	29.5	48.6	2.38
4	6.3	M	8.8	12.8	27.3	42.1	2.57
5	6.9	M	9.8	14.7	29.5	44.2	2.55
6	7.8	M	10.8	15.2	28.7	45.3	2.80
7	6.8	M	9.5	14.7	27.5	45.0	2.30
8	6.9	M	9.5	14.2	27.6	43.4	[illegible]
9	6.3	F	9.1	13.3	26.0	39.1	1.79
10	6.9	F	10.0	15.4	30.1	47.3	1.79
11	6.7	F	9.4	~~13.7~~ 14.5	27.5	42.5	1.06
12	6.8	F	9.6	14.5	27.9	43.2	1.02
13	6.1	F	8.7	13.9	26.6	41.3	1.03
14	6.7	F	—	—	—	—	[illegible]
15	6.9	F	9.3	14.0	27.6	42.9	1.01
16	6.6	F	9.7	14.0	27.8	45.2	1.20
17							
18							
19							
20				14.6			

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	146	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	8.30	12:30	DEAD	0
DATE	18/10/01	18.10.01	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.		1		4	7	14	21	A-5
DATE		19.10.01 am/pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)		314	M or F				(B) 08/11/01	
PUP WEIGHTS (g)	1	7.0	M	10.5	14.7	27.8	45.2	2.60
	2	7.1	M	10.9	15.2	25.5	45.1	2.15
	3	7.4	M	11.3	15.8	28.7	47.8	2.35
	4	7.1	M	10.3	14.6	26.6	44.3	2.69
	5	7.7	M	11.3	15.6	28.7	46.9	3.04
	6	7.2	M	10.6	15.0	26.6	44.5	3.18
	7	7.6	M	11.1	15.7	30.1	47.7	2.96
	8	7.9	M	11.6	15.6	28.1	48.3	[illegible]
	9	7.5	M	10.9	15.0	26.8	45.7	3.22
	10	8.1	F	12.1	16.2	29.1	47.6	0.45
	11	7.2	F	10.3	15.0	27.4	44.2	0.75
	12	7.6	F	10.8	14.5	25.3	41.9	0.64
	13	7.2	F	10.4	14.5	27.5	47.4	0.84
	14	7.4	F	10.9	15.5	27.1	44.8	0.78
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	147	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	12:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	16
SIGNATURE			SIGNATURE /DATE	17.10.01

DAY P.P.	1		4	7	14	21	A-9 mm
DATE	18.10.01 am/pm		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	280	M or F				@07/11/01	
PUP WEIGHTS (g) 1	4.4	M	6.1	9.4	19.0	38.4	2.45
2	5.2	M	8.1	12.3	22.6	34.1	2.09
3	4.9	M	7.1	10.4	22.2	34.4	2.22
4	6.2	M	8.4	12.9	24.8	37.3	2.30
5	5.9	M	8.3	11.9	21.9	33.9	2.44
6	6.6	M	9.6	14.0	26.0	33.9	2.34
7	6.3	M	8.7	12.6	25.8	38.9	1.97
8	6.1	F	8.8	13.2	24.6	39.7	0.74
9	5.8	F	8.6	13.1	23.8	33.6	0.84
10	6.3	F	9.1	14.4	24.0	36.7	1.27
11	5.7	F	8.3	12.4	22.7	35.9	1.13
12	5.3	F	7.6	11.4	20.7	29.7	1.16
13	5.6	F	8.7	13.2	22.6	36.0	1.12
14	5.6	F	7.7	11.9	22.6	35.2	0.37
15	6.1	F	9.3	14.2	26.6	36.9	0.95
16	5.7	F	8.2	13.0	23.2	35.1	1.00
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	148	GENERATION:	P → F_1

	LITTERING		PUPS BORN	
	STARTED	FINISHED	LIVE	8
TIME	overnight	8.30	DEAD	0
DATE	29-30/10/01	30/10/01	TOTAL	8
SIGNATURE			SIGNATURE /DATE	30/10/01

DAY P.P.	1		4	7	14	21	AG
DATE	30/10/01 am/pm		2/11/01	5/11/01	12/11/01	19.11.01	DISTANCE
FEMALE WEIGHT (g)	322	M or F					
PUP WEIGHTS (g) 1	7.0	M	10.4	16.6	32.2	50.1	2.58
2	7.3	M	11.1	17.2	32.7	52.5	2.76
3	6.9	F	11.0	16.5	30.9	51.5	0.49
4	7.2	F	11.7	16.9	33.8	52.1	1.76
5	7.6	F	11.8	17.4	34.5	55.2	1.01
6	6.9	F	10.7	15.9	32.7	49.4	1.04
7	7.2	F	11.2	16.5	32.5	50.3	1.09
8	7.6	F	11.4	17.2	33.5	52.1	1.04
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	149	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	OVERNIGHT	8.30	DEAD	0
DATE	16-17/10/01	17/10/01	TOTAL	14
SIGNATURE	MM	MM	SIGNATURE /DATE	MM 17/10/01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	17/10/01 am/pm	20-10-01	23-10-01	30/10/01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	354	M or F				17/10/01

PUP WEIGHTS (g)							
1	6.6	M	9.9	16.0	31.8	48.5	3.02
2	6.5	M	8.8	13.6	30.6	46.2	2.53
3	6.9	M	10.7	16.0	31.0	47.7	2.31
4	6.2	M	7.5	12.4	27.0	42.8	2.80
5	6.4	M	9.2	13.6	28.3	47.3	2.94
6	7.1	M	10.3	16.0	28.3	42.7	2.80
7	6.3	M	9.1	13.4	29.2	45.1	2.41
8	6.5	M	10.3	16.8	33.9	50.9	2.56
9	6.1	M	7.6	10.3	20.1	36.8	2.39
10	5.9	F	8.9	13.1	28.4	43.3	1.38
11	6.5	F	8.9	15.0	30.5	48.9	1.20
12	7.2	F	10.4	—	—	—	0.88
13	6.3	F	9.1	14.0	29.4	46.4	1.07
14	6.1	F	8.9	14.1	30.6	46.1	1.06
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	150	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	overnight	8.30	DEAD	0
DATE	~~18/10/19~~ 18/19.10	19.10.01	TOTAL	16.
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

~~18~~ 19.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	19.10.01 am/pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	331	M or F					
PUP WEIGHTS (g) 1	6.4	M	9.3	14.0	26.4	42.3	2.46
2	6.1	M	8.5	13.5	28.2	42.5	2.49
3	4.5	M	6.6	9.6	21.8	31.1	2.44
4	6.2	M	8.2	11.5	14.5	24.4	2.67
5	6.4	M	8.3	12.1	26.1	40.5	2.85
6	5.4	M	7.6	11.7	23.3	36.5	2.79
7	7.1	M	9.5	13.7	24.3	38.3	3.37
8	6.2	F	9.1	12.7	22.3	37.7	1.67
9	5.9	F	8.4	11.5	23.8	37.1	1.09
10	6.2	F	8.5	13.5	25.9	40.5	[illegible]
11	6.2	F	8.4	11.7	22.4	37.2	[illegible]
12	6.1	F	8.4	12.2	25.1	38.2	[illegible]
13	6.7	F	8.9	13.4	26.3	[illegible]	[illegible]
14	5.5	F	7.9	11.7	19.2	[illegible]	[illegible]
15	6.2	F	8.5	12.6	25.4	37.8	1.18
16	5.9	F	8.0	12.1	26.1	37.1	1.19
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256
FEMALE NUMBER:	151

DOSE GROUP:	2
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	8:30	12.30	DEAD	0
DATE	19.10.01	19/10/01	TOTAL	16
SIGNATURE			SIGNATURE /DATE	19/10/01

DAY P.P.	1	4	7	14	21	A-5
DATE	20/10/01 am/pm	23/10/01	26/10/01	2-11-01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	426.8					

			M or F					
PUP WEIGHTS (g)	1	7.7	M	11.6	16.3	28.4	38.9	2.71
	2	7.9	M	10.4	14.8	27.8	45.0	2.70
	3	7.9	M	11.7	14.6	25.0	41.0	2.79
	4	6.9	M	10.2	14.6	26.1	42.1	2.42
	5	7.0	F	9.9	13.3	26.4	38.9	1.21
	6	7.1	F	11.0	15.8	27.5	45.1	1.14
	7	7.2	F	10.6	15.7	26 28.1	44.0	1.15
	8	7.1	F	11.3	15.1	30.0	45.8	1.20
	9	6.4	F	10.2	13.2	25.5	38.9	1.16
	10	6.8	F	9.7	14.2	26.0	40.9	1.18
	11	7.5	F	11.8	15.9	29.9	45.2	1.17
	12	6.7	F	9.8	15.2	27.0	43.8	1.09
	13	7.0	F	10.2	14.1	25.0	40.9	1.12
	14	7.5	F	11.0	14.8	28.2	46.7	1.11
	15	7.0	F	10.2	15.2	25.3	41.7	1.18
	16	6.8	F	9.6	13.9	26.6	41.7	1.17
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	152	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	overnight	8:30	DEAD	0
DATE	18/19.10.01	19.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.	1		4	7	14	21	A-5 mm
DATE	19.10.01 am/pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	353	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.8	13.5	25.4	37.9	2.47
2	7.3	M	10.2	14.8	29.4	45.5	2.49
3	6.9	M	9.6	14.1	27.7	42.8	2.86
4	6.5	M	9.0	12.8	26.6	41.1	2.80
5	6.5	M	8.5	13.3	27.6	40.2	2.93
6	6.8	M	9.3	13.6	27.0	40.8	2.73
7	6.6	M	8.9	13.0	24.3	38.2	2.56
8	6.8	M	8.9	12.1	27.0	39.0	[illegible]
9	6.7	M	9.2	12.1	24.0	35.7	[illegible]
10	6.4	F	9.4	14.2	26.2	43.0	[illegible]
11	6.8	F	—	—	—	[illegible]	[illegible]
12	6.3	F	8.9	12.6	25.5	39.2	[illegible]
13	6.8	F	9.6	14.0	27.6	41.2	[illegible]
14	6.5	F	8.5	12.8	24.1	36.9	[illegible]
15	6.4	F	8.6	13.2	26.5	40.6	1.27
16	6.9	F	9.5	14.4	27.9	41.5	1.18
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	153	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	9
TIME	OVERNIGHT	8.30	DEAD	2
DATE	16-17/10/01	16-17/10/01	TOTAL	11
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17/10/01

DAY P.P.	1		4	7	14	21	A-G: mm
DATE	am/pm						DISTANCE
FEMALE WEIGHT (g)	35.5	M or F					+Ⓐ 17/10/01 Ⓐ
PUP WEIGHTS (g) 1	4.8	M					1.97
2	5.6	M					2.26
3	5.2	M					2.76
4	5.1	M					2.38
5	5.1	M					1.91
6	4.6	F					0.66
7	4.7	F					1.44
8	4.4	F					1.85
9	5.0	F					1.26
10							
11							
12							
13							
14							
15							
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	154	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	4:30	8:30	DEAD	1
DATE	17.10.01	18.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	Avg pup
DATE	18.10.01 am/pm		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	321	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.3	12.6	25.5	39.5	2.46
2	7.0	M	9.4	12.9	25.6	38.7	2.82
3	6.1	M	8.8	12.8	25.2	41.5	2.82
4	6.9	M	9.1	15.7	27.2	41.6	2.80
5	6.2	M	8.8	13.0	23.9	36.6	2.38
6	6.6	M	9.0	13.2	24.2	40.6	2.70
7	7.2	M	10.0	13.5	27.9	43.2	2.50
8	7.1	M	10.3	14.3	26.6	42.5	2.67
9	6.2	F	8.7	13.0	24.7	38.6	1.23
10	6.7	F	9.9	13.5	25.5	39.5	1.25
11	6.0	F	8.6	12.9	23.8	38.4	1.07
12	6.4	F	9.0	13.5	25.7	40.8	1.19
13	5.9	F	7.9	11.6	22.5	36.5	1.22
14	5.5	F	8.0	12.2	24.1	35.9	1.25
15							
16							
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19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	155	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	12:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	14
SIGNATURE			SIGNATURE /DATE	17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm		21-10-01	24.10.01	31/10-01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	319	M or F					
PUP WEIGHTS (g) 1	8.1	m	11.5	17.4	30.4	51.9	2.59
2	7.7	m	11.5	16.6	29.8	50.5	3.09
3	7.3	m	11.6	16.8	30.3	50.8	2.16
4	7.8	m	10.8	15.3	28.3	48.5	2.49
5	7.8	m	11.9	17.4	31.9	52.7	2.61
6	7.3	F	10.4	15.0	26.3	46.6	0.78
7	6.2	F	9.1	13.1	22.3	38.1	1.07
8	7.7	F	11.6	16.5	28.7	49.5	1.13
9	7.8	F	12.1	17.5	30.6	49.0	1.27
10	7.6	F	11.6	16.4	30.0	49.8	0.87
11	7.4	F	10.6	16.3	26.6	46.1	1.03
12	7.4	F	10.8	16.4	28.8	47.2	0.85
13	7.5	F	10.5	16.3	29.6	48.8	0.99
14	7.4	F	10.8	15.6	26.7	44.8	1.00
15							
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	156	GENERATION:	P → F_1

+ mm @ 17/10/01

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14
TIME	1230	8+4.30	DEAD	0
DATE	16.10.01	17/10/01	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17/10/01 am/pm		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	390	M or F					
PUP WEIGHTS (g) 1	7.7	M	10.8	16.6	31.7	50.1	3.29
2	7.4	M	11.8	18.2	24.0	53.11	3.20
3	7.0	M	10.5	16.5	31.2	49.7	2.37
4	7.2	M	10.8	16.7	30.8	47.4	2.35
5	7.8	M	11.3	17.7	31.3	49.4	2.59
6	7.6	M	10.7	16.4	29.2	49.9	3.69
7	8.3	M	11.5	16.7	27.3	49.1	3.49
8	7.5	F	10.9	17.0	29.0	50.6	1.03
9	7.6	F	10.6	17.1	30.1	50.4	1.21
10	7.3	F	10.6	16.0	29.8	48.7	1.39
11	6.9	F	10.8	16.5	29.5	49.9	1.19
12	7.1	F	10.7	16.2	30.5	46.3	1.45
13	7.9	F	11.7	16.9	32.0	45.7	1.16
14	7.1	F	10.1	15.6	29.5	46.8	1.10
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

Animal number 157 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	158	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	14.5
TIME	4:30	8:30	DEAD	0
DATE	18/10/01	19.10.01	TOTAL	14.5
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.		1		4	7	14	21	A-C mm
DATE		19.10.01 am/pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)		334	M or F					
PUP WEIGHTS (g)	1	7.0	M	9.9	14.8	30.5	44.6	2.82
	2	6.4	M	10.2	16.4	30.1	43.9	2.67
	3	6.9	M	9.8	16.2	28.3	41.1	2.38
	4	7.2	M	10.2	15.8	27.3	42.6	2.75
	5	6.5	M	10.0	14.9	26.7	43.0	2.79
	6	7.0	M	10.4	16.3	28.9	46.2	2.72
	7	7.2	M	9.8	14.5	28.2	44.0	2.90
	8	6.5	M	9.7	14.5	28.1	42.6	2.85
	9	6.9	M	10.5	15.6	28.5	45.2	2.65
	10	7.3	M	10.5	16.4	30.1	46.9	2.37
	11	7.1	F	10.7	16.2	31.2	46.8	1.72
	12	6.0	F	9.9	14.5	28.9	40.2	1.65
	13	6.8	F	10.6	15.6	26.5	41.4	1.18
	14	6.7	F	9.8	15.2	28.6	46.6	1.17
	15	6.7	F	9.7	15.0	25.4	40.5	1.29
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	159	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	OVERNIGHT	8.30	DEAD	0
DATE	16-17/10/01	17/10/01	TOTAL	15
SIGNATURE	m	m	SIGNATURE /DATE	ML 17/10/01

DAY P.P.	1		4	7	14	21	A-G
DATE	17/10/01 am/pm		20-10-01	23/10/01	30/10/01	06/11/01	DISTANE
FEMALE WEIGHT (g)	341	M or F					
PUP WEIGHTS (g) 1	6.6	M	10.3	16.1	29.6	46.3	2.86
2	6.0	M	8.9	14.0	29.1	43.0	2.49
3	6.3	M	9.4	15.2	32.4	49.5	2.13
4	6.2	M	—	—	—	—	3.54
5	5.8	M	8.6	13.9	29.8	45.0	3.04
6	5.9	F	8.6	13.6	29.0	42.0	0.98
7	6.0	F	8.6	13.5	28.3	44.9	1.13
8	6.0	F	—	—	—	—	0.82
9	6.2	F	10.4	16.2	32.3	48.5	1.50
10	6.1	F	9.8	15.0	30.1	44.8	1.42
11	6.0	F	8.9	14.6	30.6	47.4	1.78
12	6.1	F	9.4	14.4	30.1	47.1	0.79
13	5.0	F	6.7	11.0	29.2	37.6	0.95
14	6.1	F	9.0	15.5	31.8	48.5	1.55
15	6.0	F	8.2	13.1	29.2	42.5	1.03
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	160	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	19
TIME	overnight	8:30	DEAD	0
DATE	18/19.10.01	19.10.01	TOTAL	19
SIGNATURE			SIGNATURE /DATE	19.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	19.10.01 am/pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	367	M or F		+@25/10/01			
PUP WEIGHTS (g) 1	6.3	M	7.0	8.4	—	—	2.75
2	5.4	M	7.7	10.8	24.9	40.3	2.64
3	6.1	M	8.3	12.2	27.6	41.5	2.54
4	5.6	M	7.3	11.2	24.9	40.1	2.84
5	6.3	M	—	—	—	—	2.77
6	5.4	M	6.9	8.5	26.1	42.0	2.64
7	5.2	M	6.5	9.5	18.4	29.5	2.77
8	5.3	M	7.4	10.8	21.1	34.1	2.55
9	5.8	M	8.1	12.2	26.4	41.9	2.64
10	6.0	M	8.4	12.8	26.5	42.5	2.68
11	5.9	M	7.5	—	—	—	2.69
12	5.7	M	7.4	10.6	24.2	34.5	2.46
13	5.3	F	7.1	10.9	24.2	30.3	1.18
14	5.8	F	7.9	13.0	27.1	36.3	1.23
15	4.5	F	5.7	7.8	16.5	39.3	1.12
16	5.8	F	7.4	10.7	23.6	28.8	1.01
17	5.6	F	7.7	10.7	23.5	36.7	1.29
18	5.1	F	6.7	9.1	21.3	32.2	1.33
19	5.7	F	8.1	11.6	23.7	36.9	1.02
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	161	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	15
SIGNATURE		m	SIGNATURE /DATE	m 17/10/01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	17/10/01 am/pm	20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	362	M or F				
PUP WEIGHTS (g) 1	7.0	M	9.5	13.2	27.5	42.8	3.03
2	6.9	M	10.6	15.2	31.5	48.7	3.12
3	6.9	M	9.5	14.2	28.7	46.3	2.47
4	6.8	M	9.9	16.3	32.0	51.5	2.77
5	7.6	M	10.3	13.7	–	–	3.25
6	7.0	M	9.8	14.0	34.3	48.0	2.94
7	6.8	M	9.2	13.8	32.4	49.8	2.92
8	6.8	M	10.0	14.5	32.1	50.1	2.43
9	6.3	M	9.6	15.2	32.4	50.2	3.18
10	6.7	F	8.8	12.9	30.8	43.3	1.41
11	6.5	F	9.7	15.4	31.3	48.7	1.45
12	6.3	F	8.3	13.4	29.4	45.8	1.50
13	6.7	F	9.7	14.3	29.7	47.3	0.81
14	6.3	F	8.0	9.7	~~34.3~~	–	0.97
15	6.6	F	9.5	13.6	26.7	43.6	1.13
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	162	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	13
TIME	4:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	13
SIGNATURE			SIGNATURE /DATE	17.10.01

DAY P.P.	1		4	7	14	21	A-G NM
DATE	18.10.01 am/pm		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	358	M or F					
PUP WEIGHTS (g) 1	6.6	M	9.5	14.6	29.6	45.1	1.70
2	6.8	M	9.7	14.7	26.2	42.9	3.12
3	6.5	M	9.7	13.8	25.3	45.6	2.35
4	6.4	M	9.9	16.8	31.9	49.3	3.02
5	6.7	M	10.9	16.8	33.2	52.4	2.28
6	6.5	M	8.3	13.7	29.4	46.2	2.14
7	6.7	M	9.9	14.8	30.0	46.4	2.28
8	6.8	M	9.9	14.7	29.1	47.2	2.42
9	6.5	F	8.8	13.5	28.7	43.6	1.04
10	6.2	F	9.2	13.6	26.2	43.0	1.05
11	6.4	F	8.0	13.1	27.0	42.8	0.88
12	6.2	F	9.3	15.0	29.6	45.2	0.85
13	5.6	F	7.9	11.3	25.7	46.6	0.79
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	163	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	4·30	8:30	DEAD	0
DATE	18/10/01	19.10.01	TOTAL	15
SIGNATURE			SIGNATURE /DATE	19.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	19.10.01 ~~am~~ pm		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	322	M or F	@25/10/01				
PUP WEIGHTS (g) 1	6.4	M	9.2	13.9	26.1	44.0	1.62
2	7.5	M	10.0	15.8	23.3	36.1	2.80
3	6.8	M	9.4	13.5	26.5	38.5	2.49
4	7.0	M	9.8	15.1	26.6	42.2	2.82
5	5.5	M	7.1	10.1	18.7	29.6	2.84
6	7.1	M	9.3	13.9	23.6	39.0	2.69
7	6.0	F	7.7	12.2	21.7	35.0	1.02
8	6.1	F	8.4	10.4	20.2	34.6	1.19
9	5.9	F	7.6	11.1	21.1	34.0	1.05
10	6.3	F	8.8	12.3	22.8	37.0	1.15
11	7.3	F	10.2	14.4	23.8	36.1	1.00
12	7.2	F	10.2	14.6	25.8	42.8	1.20
13	6.4	F	8.6	12.6	23.5	36.4	1.28
14	6.5	F	8.8	11.6	21.8	37.1	1.12
15	6.7	F	9.1	14.9	25.7	41.8	1.11
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	164	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	OVERNIGHT	8.30	DEAD	0
DATE	16-17/10\01	17/10\01	TOTAL	16
SIGNATURE	MM	MM	SIGNATURE /DATE	MM 17/10/01

DAY P.P.		1		4	7	14	21	A-G mm
DATE		17/10/01 ~~am~~/pm		20-10-01	23-10-01	30/10/01	6-11-01	DISTANCE
FEMALE WEIGHT (g)		325	M or F					17/10/01
PUP WEIGHTS (g)	1	7.0	M	9.3	14.2	29.1	44.2	2.43
	2	7.3	M	9.5	13.7	29.9	40.3	2.15
	3	7.1	M	10.2	15.3	29.5	42.7	2.39
	4	7.0	M	10.2	14.7	28.2	42.8	2.98
	5	7.0	M	9.9	13.5	26.7	42.5	2.26
	6	6.7	M	8.6	10.5	—	—	[illegible]
	7	6.9	M	9.9	14.6	27.8	43.7	2.37
	8	6.9	F	9.6	14.8	27.6	45.0	[illegible]
	9	6.0	F	8.3	12.5	29.4	39.2	0.77
	10	6.4	F	9.3	13.4	25.6	40.8	1.18
	11	6.0	F	8.2	11.6	21.3	34.0	0.87
	12	6.5	F	7.2	13.9	26.5	42.5	0.82
	13	7.0	F	9.7	14.9	29.4	46.3	0.98
	14	6.6	F	9.0	13.5	24.7	41.0	[illegible]
	15	6.5	F	8.8	12.8	24.4	38.8	0.91
	16	5.9	F	8.2	12.6	23.2	36.7	1.02
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	165	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	8:30	12:30	DEAD	0
DATE	16.10.01	16.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1	4	7	14	21	A-G
DATE	17.10.01 am/~~pm~~	20-10-01	23.10.01	30/10/01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	341					

			M or F					
PUP WEIGHTS (g)	1	7.1	M	8.6	13.3	28.4	46.8	3.12
	2	6.6	M	10.2	15.0	28.4	46.0	2.76
	3	6.8	M	10.2	13.5	26.2	43.3	3.13
	4	6.3	M	9.3	13.8	27.3	41.0	2.54
	5	6.6	M	10.2	15.7	28.9	45.2	2.56
	6	6.5	M	9.6	14.6	27.2	42.6	3.30
	7	7.6	M	10.4	15.4	27.7	44.4	3.08
	8	6.7	M	10.6	16.2	29.5	46.8	2.61
	9	6.3	F	8.9	13.1	27.6	43.3	0.83
	10	6.5	F	10.4	14.5	28.7	44.5	1.28
	11	6.7	F	9.0	13.8	26.1	40.7	0.98
	12	6.6	F	10.0	16.1	29.5	47.3	0.88
	13	7.5	F	9.9	14.0	26.1	21.8	1.02
	14	6.0	F	9.0	12.9	25.1	40.8	0.77
	15	6.3	F	8.7	13.0	24.3	38.4	0.72
	16	6.4	F	10.4	14.1	27.4	44.0	1.88
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	166	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	4.30	4.35	DEAD	0
DATE	18/10/01	18/10/01	TOTAL	16
SIGNATURE			SIGNATURE /DATE	18/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	19/10/01 am/pm		22/10/01	25/10/01	1/11/01		DISTANCE
FEMALE WEIGHT (g)	343	M or F					
PUP WEIGHTS (g) 1	5.6	M	8.8	12.5	22.9	*	2.32
2	5.9	M	9.0	12.9	24.9	*	2.42
3	4.5	M	6.4	8.3	18.5	*	2.12
4	6.1	M	7.9	10.2	20.5	*	2.15
5	6.1	M	9.2	13.4	23.5	*	2.42
6	4.6	M	6.6	10.3	21.8	*	1.89
7	5.8	M	8.3	12.5	23.3	*	2.92
8	6.0	M	9.1	12.9	23.7	*	1.94
9	5.4	F	9.0	12.3	24.4	*	1.90
10	5.7	F	8.6	12.4	23.7	*	0.87
11	5.7	F	8.4	13.0	21.8	*	0.94
12	6.0	F	9.4	13.1	25.3	*	1.76
13	6.0	F	8.1	10.9	17.5	*	1.11
14	5.4	F	6.6	7.4	—	—	0.90
15	5.6	F	8.3	12.4	23.3	*	1.07
16	5.5	F	7.7	10.3	21.0	*	0.88
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

Animal number 167 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703\256	DOSE GROUP:	2
FEMALE NUMBER:	168	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	19
TIME	12:30	12:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	19
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/~~pm~~		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	334	M or F					
PUP WEIGHTS (g) 1	5.8	M	7.4	11.3	22.9	39.1	2.62
2	6.5	M	8.3	12.0	24.4	38.4	2.12
3	6.2	M	8.3	13.0	23.8	37.4	2.06
4	5.6	M	8.0	10.0	19.9	32.8	2.22
5	6.6	M	8.3	11.1	19.4	31.0	2.83
6	5.8	M	7.9	13.3	23.9	37.4	2.41
7	6.1	M	8.5	11.6	25.6	36.2	2.44
8	6.0	M	8.6	11.2	20.2	35.2	2.[illegible]
9	6.0	F	8.4	13.6	24.8	39.3	1.05
10	6.4	F	8.8	12.7	25.6	40.7	1.06
11	5.6	F	7.4	9.6	17.9	32.8	0.82
12	5.2	F	7.9	10.1	16.1	27.5	0.86
13	5.1	F	~~9.4~~ 6.9	9.0	—	—	0.88
14	5.5	F	7.2	-	-	—	0.88
15	5.9	F	8.4	10.6	19.4	32.0	0.86
16	6.5	F	8.6	13.6	22.3	38.0	0.95
17	5.5	F	8.5	12.0	25.7	38.0	0.84
18	5.6	F	6.8	7.8	—	—	0.88
19	5.9	F	9.0	12.7	23.4	38.8	1.22
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	169

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	8:30	12:30	DEAD	0
DATE	19.10.01	19/10/01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19/10/01

DAY P.P.	1		4	7	14	21	AG MM
DATE	20/10/01 am/pm*		23/10/01	26/10/01	2.11.01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	342	M or F					
PUP WEIGHTS (g) 1	7.4	M	10.7	15.1	27.9	45.0	2.44
2	7.1	M	10.0	13.9	26.6	43.7	2.57
3	7.5	M	9.8	14.7	26.4	[illegible]	2.81
4	6.3	M	9.2	~~12.9~~	23.3	45.6	2.52
5	7.0	M	9.8	13.1	24.6	48.2	2.54
6	6.9	M	10.6	14.5	27.1	~~45~~ 45.3	2.72
7	7.7	M	11.5	16.5	29.2	46.0	2.65
8	7.3	F	9.8	15.2	26.2	36.6	1.22
9	6.6	F	9.2	13.5	26.8	46.2	1.17
10	5.7	F	7.9	11.0	21.5	36.5	1.12
11	6.4	F	9.7	14.1	25.6	44.6	1.10
12	6.7	F	9.3	13.7	26.0	44.2	1.20
13	6.8	F	9.6	14.3	22.9	42.2	1.21
14	5.8	F	8.7	12.6	24.8	40.3	1.04
15	6.9	F	9.8	13.4	26.2	46.0	1.09
16	7.0	F	10.7	15.4	29.7	46.3	1.11
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	170	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	331	M or F				*@07/11/01	
PUP WEIGHTS (g) 1	5.9	M	7.9	11.7	24.5	37.8	2.00
2	5.5	M	8.8	12.7	24.3	39.5	2.12
3	5.1	M	7.1	10.6	22.2	36.0	2.65
4	6.5	M	8.7	12.3	25.4	40.0	2.58
5	6.4	M	8.9	13.0	23.9	36.3	2.09
6	6.1	M	8.5	12.8	25.9	39.0	2.87
7	6.5	M	9.4	13.6	24.4	38.9	2.32
8	6.8	M	9.3	13.7	27.2	42.1	2.09
9	6.6	M	9.6	14.1	27.7	40.3	2.54
10	6.6	M	9.1	12.8	25.6	39.0	2.81
11	5.8	F	7.0	11.5	24.3	37.7	0.85
12	6.1	F	8.9	12.5	24.9	37.0	0.65
13	5.6	F	7.6	10.6	22.9	35.6	0.64
14	5.8	F	8.8	13.8	24.9	38.6	0.90
15	5.6	F	7.4	11.1	21.7	34.6	0.76
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	171

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4.30.	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	16
SIGNATURE	MM	MM	SIGNATURE /DATE	MM 16.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	368	M or F					+Ø 16/10/01
PUP WEIGHTS (g) 1	6.9	M	9.1	13.5	26.6	42.0	2.71
2	6.9	M	9.0	12.2	24.3	40.8	2.19
3	6.8	M	8.3	12.8	26.1	42.1	2.94
4	5.8	M	7.0	10.2	25.0	40.8	2.31
5	6.7	M	8.0	12.1	24.9	39.3	2.27
6	6.5	M	8.0	—	—	—	2.32
7	6.0	M	7.4	9.1	17.7	32.6	2.36
8	6.0	M	7.9	11.2	18.7	34.0	2.38
9	5.9	M	7.9	11.6	23.7	40.9	2.93
10	4.3	M	5.4	7.8	16.3	30.3	~~+~~ 1.99
11	6.4	F	~~7.4~~ 8.0	10.7	26.9	42.4	0.90
12	6.2	F	8.4	10.7	—	—	0.76
13	6.1	F	—	—	—	—	1.14
14	5.3	F	6.6	9.6	22.1	37.2	0.64
15	6.4	F	—	—	—	—	1.25
16	6.5	M	7.9	11.5	24.4	40.8	1.82
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	172	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	Overnight	8:30	DEAD	0
DATE	18/19:10.01	19.10.01	TOTAL	17
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	19.10.01 ~~am~~/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	323	M or F					
PUP WEIGHTS (g) 1	5.2	M	7.4	10.5	22.5	33.4	2.66
2	5.7	M	7.0	10.7	21.5	35.5	2.66
3	5.5	M	7.8	10.2	21.0	34.0	2.86
4	4.8	M	6.8	9.7	20.1	31.7	2.48
5	5.7	M	7.8	11.5	22.8	36.2	2.74
6	6.0	M	8.4	13.4	23.0	37.9	2.58
7	5.5	M	7.2	11.1	21.4	34.6	2.64
8	5.6	M	7.1	10.3	20.9	34.1	2.54
9	5.9	F	8.3	12.9	25.1	39.8	1.01
10	5.4	F	7.4	11.2	22.3	37.1	1.21
11	5.0	F	6.6	10.6	21.0	32.2	1.06
12	5.7	F	8.0	10.9	22.5	38.3	1.22
13	5.7	F	8.3	11.6	22.5	36.3	1.17
14	6.6	F	8.1	12.1	23.8	37.6	1.06
15	5.2	F	7.1	10.2	20.7	33.1	1.21
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	173

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN @ 16/10/01
	STARTED*	FINISHED*	LIVE 15
TIME	overnight	5:30	DEAD 0
DATE	15/16 10.01	16.10.01	TOTAL 15
SIGNATURE			SIGNATURE /DATE 16.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	376	M or F					
PUP WEIGHTS (g) 1	7.6	M	9.7	12.6	–	–	3.19
2	6.1	M	5.7	13.8	31.3	52.6	2.85
3	7.2	M	10.8	15.2	–	–	2.53
4	7.1	M	10.9	17.2	38.1	64.0	2.84
5	6.2	M	8.0	11.0	25.9	45.3	2.72
6	6.9	M	10.1	14.2	29.1	49.6	3.26
7	7.1	F	9.6	12.9	32.0	52.6	1.25
8	6.7	F	9.2	12.6	12.7		1.18
9	6.5	F	9.1	12.2	–	–	0.97
10	6.5	F	10.2	16.0	35.6	57.6	1.02
11	6.6	F	9.3	11.5	22.6	43.4	1.21
12	6.9	F	9.6	13.4	27.6	47.1	1.24
13	6.9	F	8.9	10.4	–	–	0.93
14	6.3	F	9.3	9.9	–	–	1.05
15	6.2	F	8.7	11.8	26.9	48.0	0.92
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	174	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A.G MM
DATE	18.10.01 ~~am~~/pm		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	342	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.8	12.2	24.1	39.0	2.33
2	6.5	M	9.1	11.9	24.8	40.0	2.91
3	6.5	M	8.4	12.5	21.6	35.2	2.94
4	6.2	M	7.5	11.7	24.0	36.7	2.89
5	6.4	M	8.8	13.0	24.5	38.4	2.72
6	6.8	M	8.8	12.2	24.1	38.5	2.79
7	6.2	F	8.9	12.9	23.2	36.4	0.98
8	6.1	F	8.2	12.5	24.6	38.1	1.12
9	6.5	F	9.3	14.2	24.7	43.7	1.12
10	6.5	F	8.5	11.9	24.2	37.9	1.10
11	5.4	F	7.5	10.6	19.6	33.5	1.09
12	6.5	F	8.4	12.1	24.1	38.2	1.17
13	7.2	F	9.6	13.9	22.4	34.8	1.29
14	6.6	F	9.2	13.8	26.4	40.7	1.15
15	6.1	F	8.6	13.0	23.8	38.9	1.26
16	6.3	F	8.0	9.5	20.3	32.3	1.13
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	175

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	335	M or F					
PUP WEIGHTS (g) 1	6.4	M	8.2	13.2	24.8	37.4	1.81
2	6.5	M	9.8	13.7	25.4	40.0	2.15
3	6.3	M	8.3	13.3	25.0	38.7	1.93
4	6.4	M	9.0	13.4	25.1	39.9	1.55
5	6.7	M	9.2	12.9	25.2	36.9	1.94
6	5.7	M	8.3	12.6	25.2	41.0	1.76
7	6.4	M	8.8	12.6	23.6	39.5	2.27
8	7.0	M	9.5	13.6	25.2	41.4	1.85
9	6.7	M	8.9	13.6	23.9	38.6	1.66
10	6.7	M	9.3	12.7	24.0	39.7	1.83
11	6.2	M	8.7	12.1	23.5	37.6	1.49
12	5.6	F	8.5	13.1	24.4	37.1	0.83
13	6.1	F	8.5	12.1	22.9	36.9	0.74
14	5.8	F	8.6	12.6	24.3	36.9	0.69
15	5.5	F	8.0	11.2	21.6	37.4	0.87
16	6.1	F	9.1	13.0	22.3	36.3	0.84
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	176	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	4:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	11
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	327	M or F					
PUP WEIGHTS (g) 1	6.8	M	10.9	17.0	32.3	48.7	2.32
2	5.9	M	8.6	12.1	27.1	40.9	2.65
3	6.0	M	9.4	13.8	29.3	43.4	2.11
4	6.3	M	10.1	15.3	31.7	47.1	2.76
5	6.9	M	11.1	16.5	33.5	49.5	2.23
6	6.2	M	10.4	15.2	31.2	47.3	2.10
7	6.4	M	9.8	13.2	28.1	43.1	2.27
8	6.1	M	10.0	15.3	30.7	45.8	2.74
9	6.3	F	9.9	14.6	29.9	46.9	0.99
10	7.2	F	10.9	16.7	33.5	51.8	0.93
11	6.8	F	10.0	15.6	31.1	47.8	0.92
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	177

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	10
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	10
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 ~~am~~/pm*		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	378	M or F					
PUP WEIGHTS (g) 1	6.6	M	10.8	17.1	33.7	53.3	2.30
2	7.2	M	11.5	18.7	34.6	55.2	2.73
3	5.8	M	9.4	14.9	30.9	48.4	2.81
4	6.1	F	9.7	16.6	33.8	50.7	1.30
5	5.6	F	9.1	14.3	29.8	47.3	1.00
6	6.1	F	9.1	15.6	32.6	50.2	1.21
7	6.2	F	9.9	16.1	32.3	51.2	1.16
8	6.6	F	11.0	17.4	33.4	52.2	1.19
9	5.7	F	9.0	14.5	28.9	46.0	1.15
10	6.1	F	10.5	15.8	33.0	52.8	1.03
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	178	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	~~12~~ 13
TIME	4:30	4.30	DEAD	0
DATE	16/10/01	16/10/01	TOTAL	~~12~~ 13
SIGNATURE			SIGNATURE /DATE	16/10/01

DAY P.P.	1		4	7	14	21	A.G. mm
DATE	17-10-01 am/pm		20.10.01	23.10.01	30/10/01	6-11-01	DISTANCE
FEMALE WEIGHT (g)	338	M or F					
PUP WEIGHTS (g) 1	6.6	M	10.3	14.2	30.9	49.8	2.48
2	6.3	M	8.7	11.9	24.4	40.2	2.22
3	6.9	M	9.6	14.5	25.0	45.2	2.30
4	6.6	M	9.2	12.1	—	—	2.88
5	7.0	M	9.9	14.1	21.0	38.0	3.12
6	7.2	M	10.0	14.2	30.3	47.3	2.27
7	6.9	M	9.5	12.2	26.6	40.9	2.57
8	6.3	M	8.2	11.2	22.4	38.5	2.50
9	6.7	F	9.3	12.7	29.1	47.2	0.98
10	6.4	F	9.4	13.1	26.4	42.5	0.80
11	6.5	F	9.0	12.7	27.2	45.2	1.09
12	5.0	F	7.2	10.2	25.0	38.6	1.13
13	6.4	F	8.7	12.2	28.7	43.9	1.01
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	179

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	12
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	12
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	18.10.01 ~~am~~/pm	21.10.01	24.10.01	31.10.01	07/11/01	DISTINCT
FEMALE WEIGHT (g)	354					
M or F						

PUP WEIGHTS (g)							
1	7.5	M	9.3	14.4	31.2	50.5	2.84
2	7.0	M	9.7	13.4	24.1	42.2	2.69
3	5.6	M	7.6	12.8	—	—	3.01
4	7.6	M	11.6	17.4	35.2	55.7	2.84
5	7.3	M	10.9	15.8	28.8	47.6	2.86
6	7.4	M	10.3	~~15.8~~ 17.6	30.5	48.6	3.12
7	7.7	M	11.2	17.7	33.9	55.2	2.77
8	7.4	M	11.2	17.2	35.2	54.6	2.79
9	6.8	F	10.0	15.3	31.0	50.2	1.26
10	7.2	F	11.2	16.3	32.8	50.9	1.14
11	7.3	F	11.1	—	—	—	1.39
12	7.1	F	10.6	15.1	—	—	1.01
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	180	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	8.30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	15
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.		1		4	7	14	21	AG MM
DATE		16.10.01 am/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)		376	M or F					
PUP WEIGHTS (g)	1	5.7	M	7.8	11.7	23.8	37.1	2.23
	2	5.3	M	7.5	11.3	21.8	36.1	2.84
	3	6.2	M	7.5	10.6	21.8	38.5	3.01
	4	5.0	M	7.6	10.6	22.6	38.2	3.16
	5	5.9	M	6.9	9.8	20.1	36.0	2.93
	6	5.8	M	8.0	11.3	23.4	38.9	2.75
	7	6.2	M	7.3	11.70	23.4	39.7	2.86
	8	6.0	M	7.7	11.2	22.7	37.3	2.88
	9	5.2	F	6.9	~~9.6~~ 10.7	22.8	37.2	0.89
	10	5.0	F	6.8	9.6	21.0	36.5	0.61
	11	5.8	F	7.9	11.7	22.9	36.6	0.84
	12	5.5	F	7.3	11.0	22.2	36.4	1.02
	13	4.3	F	–	–	–	–	1.02
	14	5.7	F	7.3	11.1	23.3	40.4	1.26
	15	5.4	F	7.0	9.7	21.2	34.4	0.98
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	181

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	
TIME	4.30		DEAD	1 (PTO)
DATE	17.10.01		TOTAL	
SIGNATURE			SIGNATURE /DATE	

DAY P.P.	1		4	7	14	21	A-G mm
DATE	am/pm*						DISTANCE
FEMALE WEIGHT (g)		M or F					
PUP WEIGHTS (g) 1							
2							
3							
4							
5							
6	K						
7	E						
8	T						
9	T						
10	I						
11	V S						
12	S						
13	O						
14	V V						
15	A						
16	T						
17	O						
18	T						
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	182	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	18.10.01 am/pm*		21/10/01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	361	M or F				+87.07/11/01	
PUP WEIGHTS (g) 1	6.0	M	8.4	11.4	–	–	2.23
2	5.8	M	7.7	10.0	–	–	2.24
3	6.6	M	8.8	12.7	–	–	3.25
4	6.8	M	9.5	14.0	37.1	55.1	2.91
5	6.4	M	8.1	9.9	–	–	2.78
6	6.4	M	9.2	14.6	38.1	57.8	2.80
7	6.4	M	8.8	12.3	–	–	2.90
8	6.2	M	8.1	10.2	–	–	2.90
9	6.7	F	8.3	10.6	–	–	1.22
10	6.3	F	8.7	12.2	–	–	1.01
11	6.2	F	7.7	9.8	–	–	1.16
12	6.7	F	9.4	–	–	–	1.23
13	6.2	F	8.6	11.7	–	–	1.17
14	6.6	F	9.5	11.5	–	–	1.14
15	5.9	F	7.0	8.8	–	–	1.27
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	183

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	4:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	368	M or F					
PUP WEIGHTS (g) 1	6.2	M	8.4	13.3	25.8	43.0	2.14
2	7.0	M	8.9	13.7	27.9	44.6	2.19
3	5.3	M	7.1	8.7	—	—	2.38
4	6.8	M	9.3	13.9	25.2	42.7	1.90
5	7.2	M	9.2	14.5	27.0	44.5	1.97
6	6.5	M	7.1	9.9	19.3	33.6	2.12
7	6.4	M	7.7	10.4	22.5	35.4	2.48
8	6.1	M	8.8	12.9	26.2	44.0	2.20
9	6.0	M	8.9	12.9	26.1	43.5	2.11
10	6.8	M	8.7	12.7	24.3	41.9	2.41
11	6.1	M	8.6	12.3	25.5	43.6	1.91
12	5.8	F	7.6	11.0	22.1	37.4	0.78
13	5.8	F	8.1	10.5	23.1	40.1	0.86
14	5.7	F	6.9	8.9	17.0	29.9	0.95
15	6.2	F	6.8	11.0	23.8	36.2	0.68
16	6.0	F	6.5	8.6	—	—	0.98
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	184	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	overnight	8:30	DEAD	0
DATE	15/16.10.01	16.10.01	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	16.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	355	M or F				+@05/11/01	
PUP WEIGHTS (g) 1	6.9	M	—	—	—	—	2.38
2	7.0	M	9.5	14.7	26.0	40.9	2.47
3	7.0	M	9.9	15.1	26.5	43.8	2.63
4	6.8	M	10.2	~~15.5~~ 14.6	27.7	43.8	2.31
5	7.1	M	10.0	14.2	27.6	43.9	2.54
6	7.5	M	9.7	15.6	27.6	43.5	2.40
7	6.8	M	9.5	12.8	23.0	~~43.5~~ 38.5+	2.59
8	6.0	F	9.4	14.4	26.7	42.0	0.69
9	6.5	F	9.8	15.2	27.6	43.6	1.13
10	7.1	F	9.3	14.2	26.5	41.8	1.17
11	6.6	F	9.7	15.1	27.7	43.5	1.21
12	7.0	F	9.5	14.4	25.6	39.7	1.10
13	5.7	F	8.2	13.9	25.2	38.4	0.97
14	6.5	F	8.7	13.2	24.9	39.8	0.90
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	185

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	12:30	12:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18-10-01 ~~am~~/pm*	+ mes [illegible]	18.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	330	M or F					
PUP WEIGHTS (g) 1	7.4	M	8.4	13.8	25.7	42.6	2.69
2	7.1	M	8.4	12.5	21.8	37.2	3.38
3	6.9	M	8.5	13.8	24.8	41.1	2.44
4	6.7	M+	8.0	12.6	22.7	37.6	2.00
5	7.2	M	8.7	13.3	25.2	40.7	2.69
6	6.8	M	~~8.0~~ [illegible]	15.4	28.1	43.4	1.93
7	7.2	M	9.2	13.6	27.0	41.0	2.47
8	6.8	F	9.6	14.2	25.5	43.4	0.88
9	7.5	F	8.7	12.3	23.3	39.1	0.90
10	6.7	F	9.0	12.1	22.9	36.5	0.83
11	6.4	F	9.4	14.2	25.2	40.4	0.93
12	7.0	F	9.2	14.2	25.6	42.2	1.00
13	6.4	F	8.4	11.9	22.7	37.5	0.90
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	186	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	15
SIGNATURE	[illegible]	mm	SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	17/10/01 am/pm		20-10-01	23-10-01	30/10/01	6-11-01	DISTANCE
FEMALE WEIGHT (g)	339	M or F					
PUP WEIGHTS (g) 1	7.1	M	10.5	15.9	31.6	47.8	3.15
2	7.5	M	10.3	15.7	31.3	48.5	2.65
3	6.6	M	9.2	14.8	29.3	46.1	2.87
4	6.9	M	10.3	13.9	28.9	46.9	2.65
5	7.2	M	10.0	14.9	29.1	45.7	2.78
6	6.7	M	8.1	9.8	–	–	2.67
7	6.9	M	10.4	15.7	29.0	47.7	3.00
8	7.1	M	10.1	14.8	28.5	46.7	2.74
9	6.5	F	8.9	12.8	25.6	42.4	1.19
10	6.3	F	9.9	14.2	27.5	44.1	0.87
11	6.6	F	10.0	13.5	27.4	43.1	1.37
12	7.1	F	10.1	14.7	28.5	42.9	1.00
13	6.6	F	9.2	12.6	25.5	41.1	1.06
14	6.4	F	8.6	12.9	24.6	37.7	1.06
15	6.7	F	9.3	13.9	27.7	43.2	1.33
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

Animal number 187 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	188	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	1
DATE	16/10/01	17/10/01	TOTAL	14
SIGNATURE		m	SIGNATURE /DATE	m 17/10/01

DAY P.P.	1		4	7	14	21	A-C MM
DATE	17/10/01 am/pm*		20.10.01	23.10.01	30/10/01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	331	M or F				~~6.11.01~~	
PUP WEIGHTS (g) 1	6.9	M	9.7	14.6	28.3	63.6	2.57
2	6.1	M	8.6	13.1	26.4	42.0	2.41
3	7.1	M	11.1	15.4	29.2	46.2	2.56
4	7.8	M	10.9	16.2	29.4	~~66~~ 46.1	2.88
5	7.1	M	9.7	14.3	28.7	46.3	2.25
6	7.7	M	11.1	15.9	30.1	45.8	3.13
7	7.2	F	10.1	15.7	28.7	43.4	1.28
8	6.9	F	~~9.7~~ 8.5	14.8	29.0	45.9	1.29
9	5.9	F	8.8	~~14~~ 13.1	26.3	41.4	1.21
10	6.6	F	9.2	14.8	26.8	42.9	1.35
11	6.8	F	9.4	14.8	27.0	42.6	1.15
12	6.9	F	9.4	14.3	27.7	[illegible]	0.99
13	6.5	F	9.9	13.0	24.1	39.2	0.98
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	189

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	12:30	4.30	DEAD	0
DATE	18.10.01	18/10/01	TOTAL	12
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18/10/01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	19/10/01 am/pm*	22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	299					

PUP WEIGHTS (g)			M or F					
	1	6.9	M	10.4	15.0	27.5	45.2	2.24
	2	7.0	M	10.6	15.9	28.2	46.4	2.38
	3	6.7	M	10.2	15.1	28.9	46.7	2.53
	4	6.9	M	10.2	14.9	28.5	44.6	2.59
	5	7.2	M	10.4	15.0	28.0	45.1	2.07
	6	6.7	F	10.4	15.2	27.0	43.5	1.28
	7	6.5	F	9.9	14.8	27.8	45.5	1.15
	8	7.1	F	10.6	15.9	29.1	49.8	1.03
	9	6.5	F	10.4	15.1	27.6	46.3	1.02
	10	6.3	F	9.8	13.9	26.5	43.5	1.10
	11	6.2	F	9.9	14.7	28.3	45.3	1.10
	12	6.8	F	10.6	15.4	29.0	44.6	0.87
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	14							
	15							
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	17							
	18							
	19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	190	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	6
TIME	12:30	4.30	DEAD	0
DATE	16.10.01	16/10/01	TOTAL	6
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	17.10.01 am/pm		20.10.01	23.10.01	30.10.01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	251	M or F					
PUP WEIGHTS (g) 1	8.5	M	13.1	19.9	35.8	55.8	2.45
2	8.7	M	12.7	19.6	37.3	57.8	2.97
3	8.6	M	13.1	20.3	38.0	59.7	2.50
4	9.1	M	13.2	20.1	39.0	59.0	2.63
5	8.8	M	12.2	~~15.8~~ 19.9	36.7	54.6	2.92
6	8.5	F	12.2	19.0	35.9	55.5	0.83
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	191

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	17
TIME	overnight	8:30	DEAD	0
DATE	15/16.10.01	16.10.01	TOTAL	17
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A.G. mm
DATE	16.10.01 ~~am~~/pm		19.10.01	22/10/01	29.10.01	5/11/01	DISTANCE
FEMALE WEIGHT (g)	332	M or F				→@05/11/01 e	
PUP WEIGHTS (g) 1	6.1	M	7.7	9.9	19.7	35.8	1.77
2	6.6	M	8.5	13.0	23.7	31.5	2.21
3	6.9	M	9.5	12.7	23.5	35.6	2.13
4	6.4	M	9.2	13.6	24.5	36.9	2.83
5	6.6	M	9.2	13.2	23.4	34.0	2.24
6	6.8	M	8.8	12.5	22.5	34.4	2.73
7	6.7	M	9.3	13.8	22.5	33.9	2.95
8	6.2	M	8.0	11.6	23.9	37.7	2.99
9	6.7	M	8.8	13.1	24.9	37.0	2.46
10	6.0	M	8.2	11.2	20.5	29.4	2.22
11	6.3	F	8.4	12.1	21.8	32.8	0.71
12	6.2	F	~~9.1~~ 8.3	12.0	20.2	30.8	0.87
13	6.3	F	8.3	12.2	21.6	34.2	1.11
14	6.4	F	9.1	12.7	21.8	30.5	0.80
15	6.3	F	8.6	11.3	18.1	26.7	1.17
16	6.1	F	9.0	12.2	19.1	30.7	0.83
17	6.4	M	9.2	13.4	25.0	35.9	2.26
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	192	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	overnight	8:30	DEAD	0
DATE	15/16.10.01	16.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 am/pm		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	420	M or F					
PUP WEIGHTS (g) 1	5.5	M	7.7	12.6	27.6	44.3	1.90
2	6.5	M	9.6	15.4	27.4	46.4	2.99
3	6.4	M	9.3	14.4	28.9	46.3	3.02
4	6.2	M	8.6	13.9	27.4	45.3	2.89
5	6.4	M	7.5	13.0	26.2	44.2	2.54
6	6.6	M	10.2	16.2	28.6	45.7	3.04
7	7.2	M	10.6	15.4	28.3	47.5	3.03
8	5.9	M	8.4	13.9	28.1	46.7	3.04
9	6.5	F	9.6	15.2	30.5	48.4	1.23
10	6.2	F	9.1	13.9	26.1	46.2	1.23
11	6.0	F	8.1	13.2	26.3	43.9	0.95
12	6.0	F	8.7	14.4	26.7	43.4	1.18
13	5.8	F	8.5	13.7	27.1	43.9	1.43
14	6.3	F	8.9	14.3	27.0	45.6	1.26
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	193

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	15
SIGNATURE		MC	SIGNATURE /DATE	MC 17/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	17/10/01 am/pm		20.10.01	23.10.01	30.10.01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	366	M or F					
PUP WEIGHTS (g) 1	6.7	M	9.8	14.2	28.8	49.8	3.11
2	6.2	M	9.2	13.6	28.0	46.4	3.14
3	6.4	M	9.4	13.5	30.2	47.8	2.42
4	6.6	M	10.0	15.1	—	—	3.17
5	6.3	M	9.0	12.0	24.2	40.1	2.26
6	5.5	M	7.6	11.2	24.9	39.5	2.53
7	5.5	M	—	—	—	—	2.53
8	6.1	F	8.6	11.0	—	—	0.92
9	5.6	F	7.8	11.1	25.9	41.8	1.33
10	5.7	F	8.6	13.2	26.9	44.2	0.99
11	5.9	F	8.8	12.7	27.2	42.9	1.21
12	4.9	F	6.9	9.6	24.3	38.6	1.05
13	6.0	F	8.6	11.5	23.9	40.5	0.69
14	6.2	F	9.2	12.8	24.9	45.6	0.72
15	6.2	F	9.7	13.7	27.1	44.4	0.83
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

Animal number 194 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	195

DOSE GROUP:	3
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	328	M or F					
PUP WEIGHTS (g) 1	6.5	M	9.7	14.4	27.6	44.1	2.02
2	6.6	M	9.6	13.6	27.5	43.3	2.06
3	6.6	M	9.5	14.1	28.5	46.4	2.16
4	6.7	M	9.1	13.5	27.1	46.1	1.92
5	6.7	M	9.5	13.6	27.7	42.4	2.26
6	6.6	F	9.8	14.6	29.9	45.2	0.60
7	6.2	F	9.0	14.1	27.6	44.8	0.82
8	6.1	F	9.0	13.6	27.2	42.7	1.12
9	5.1	F	7.5	11.1	25.0	39.3	0.87
10	6.4	F	9.4	14.0	27.8	44.0	1.11
11	4.8	F	6.4	7.7	9.5	—	0.90
12	6.6	F	9.1	13.4	27.7	43.1	0.74
13	5.8	F	8.3	12.6	25.8	41.0	0.89
14	6.3	F	8.5	13.0	25.3	41.3	0.81
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	196	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	4:30	DEAD	0
DATE	17.10.01	17.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	306	M or F					
PUP WEIGHTS (g) 1	6.0	M	7.3	–	–	–	2.73
2	5.3	M	6.5	10.3	21.1	35.2	2.35
3	6.2	M	7.8	11.2	23.5	38.0	2.45
4	5.6	M	7.9	11.0	19.9	34.2	2.30
5	6.6	M	6.9	7.2	–	–	2.16
6	6.6	M	7.7	11.3	19.5	36.8	2.05
7	5.7	F	7.2	9.1	–	–	1.13
8	6.3	F	7.4	10.2	23.0	39.0	0.94
9	5.8	F	6.7	10.3	21.5	36.4	1.00
10	6.1	F	6.9	10.5	22.8	38.6	0.84
11	5.8	F	7.8	10.7	21.3	37.3	0.95
12	5.8	F	7.7	10.6	21.8	36.5	0.80
13	6.0	F	8.2	11.0	21.72	37.0	0.82
14	5.7	F	8.0	12.6	19.8	37.4	0.95
15	5.4	F	7.1	10.9	25.7	39.3	0.92
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	197

DOSE GROUP:	4
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	12:30	4:30	DEAD	0
DATE	18.10.01	18/10/01	TOTAL	14
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 18/10/01

DAY P.P.	1		4	7	14	21	A-4 MM
DATE	19/10/01 am/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	352	M or F			* mm (B) 1/11/01 @ (B) 08/11/01 @		
PUP WEIGHTS (g) 1	6.9	M	10.8	15.6	~~24.2~~ 30.2	54.1	2.34
2	7.0	M	10.1	15.0	32.1	50.3	2.27
3	7.2	M	10.2	14.2	30.3	48.0	2.11
4	6.9	M	9.1	12.2	–	–	2.60
5	6.3	M	9.3	12.5	24.2	39.4	2.38
6	6.3	M	10.1	13.0	–	–	2.42
7	7.0	F	9.6	13.1	24.9	43.3	0.84
8	6.2	F	9.5	13.2	23.6	41.3 ~~42.8~~	1.19
9	6.3	F	9.0	13.1	26.5	42.8	0.91
10	6.1	F	9.7	12.1	–	–	1.12
11	6.4	F	9.9	14.3	30.5	48.4	0.91
12	6.4	F	9.7	14.5	30.8	48.3	0.88
13	6.4	F	9.9	13.4	27.7	45.6	1.08
14	6.3	F	8.0	9.6	–	–	0.96
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	198	GENERATION:	P → F_1

	LITTERING		PUPS BORN	
	STARTED	FINISHED + (A) 16/10/01		
TIME	12:30	~~+4 30~~ 4.30	LIVE	7
DATE	16.10.01	~~+16/10/01~~ 16/10/01	DEAD	1
SIGNATURE	[illegible]	+ [illegible]	TOTAL	8
			SIGNATURE /DATE	[illegible] 16/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17.10.01 am/pm*		20-10-01	23.10.01	30-10-01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	358	M or F			(B) 30-10-01		
PUP WEIGHTS (g) 1	8.6	M	14.3	21.6	41.5	66.3	3.41
2	8.2	M	13.9	21.9	42.5	64.3	3.07
3	8.7	M	14.1	19.4	40.8	64.5	2.87
4	8.4	F	13.6	22.1	40.9	63.5	1.62
5	7.9	F	13.5	21.5	~~38.1~~ 40.7	62.2	1.38
6	7.5	F	12.7	18.4	38.1	58.7	1.41
7*	7.3	F	12.2	19.1	38.3	58.0	0.96
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	199

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	overnight	8:30	DEAD	0
DATE	18/19.10.01	19.10.01	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.	1	4	7	14	21	A-G mm
DATE	19.10.01 am/pm*	22/10/01	25/10/01	1/11/01	8/11/01	DISTANCE
FEMALE WEIGHT (g)	301					

PUP WEIGHTS (g)		M or F					
	1	M	8.9	13.4	28.0	43.6	2.59
	2	M	9.8	14.6	29.3	48.0	2.93
	3	M	8.3	9.9	–	–	2.75
	4	M	9.8	13.7	20.8	37.6	2.91
	5	M	8.0	11.0	28.9	37.0	2.54
	6	M	9.8	11.9	24.6	39.6	2.69
	7	F	7.0	12.7	23.3	36.9	1.03
	8	F	9.8	14.9	23.1	42.2	1.24
	9	F	8.3	11.9	24.0	[illegible]	1.14
	10	F	9.8	11.3	22.3	34.8	1.04
	11	F	8.3	12.8	25.6	41.3	1.02
	12	F	8.1	12.3	26.5	41.0	1.25
	13	F	8.8	13.1	26.2	42.0	1.20
	14	F	9.8	13.8	26.0	43.7	1.12
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	200

DOSE GROUP:	H
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	12:30	4:30	DEAD	1
DATE	17.10.01	17.10.01	TOTAL	12
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 17.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	274	M or F					
PUP WEIGHTS (g) 1	6.8	M	9.3	14.4	27.9	47.6	2.64
2	7.1	M	10.2	14.6	27.4	43.9	2.18
3	6.7	M	—	—	—	—	2.39
4	7.1	M	10.7	15.4	28.0	48.3	2.16
5	6.3	F	9.3	13.9	25.9	48.2	1.24
6	6.7	F	9.3	13.3	27.8	46.9	0.88
7	7.2	F	10.7	15.5	29.0	46.9	1.16
8	6.8	F	10.3	14.9	27.6	45.9	0.93
9	7.1	F	10.4	~~15~~ 15.8	29.2	48.4	0.98
10	6.8	F	9.9	14.1	26.9	46.8	1.16
11	7.0	F	10.3	14.5	27.8	47.9	1.09
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	201

DOSE GROUP:	4
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	12:30	4.30	DEAD	0
DATE	16.10.01	16/10/0	TOTAL	11
SIGNATURE			SIGNATURE /DATE	16/10/01

DAY P.P.	1	4	7	14	21	A.G MM
DATE	17.10.01 am/pm*	20.10.01	23.10.01	30.10.01	6.11.01	DISTANCE
FEMALE WEIGHT (g)	304					

PUP WEIGHTS (g)		M or F					
1	6.5	M	9.8	11.6	23.4	42.7	1.77
2	6.2	M	8.7	11.2	16.7	32.9	1.96
3	6.3	M	8.6	11.5	–	–	1.71
4	6.0	F	7.8	8.2	–	–	0.72
5	5.9	F	7.8	9.8	–	–	0.90
6	5.6	F	7.3	9.8	–	–	0.73
7	6.1	F	~~6.2~~ 8.0	11.7	32.2	51.8	0.92
8	5.9	F	8.4	12.1	22.2	41.1	1.06
9	6.2	F	8.0	12.1	31.9	49.0	0.64
10	5.3	F	6.8	8.5	–	–	0.64
*11	5.0	F	~~8.0~~ 6.2	7.5	–	–	0.57
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pup 11 marked as is 20.10.01

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	202	GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4:30	5:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.		1		4	7	14	21	A-5
DATE		16.10.01 am/pm*		19/10/01	22/10/01	29.10.01	5.11.01	DISTANCE
FEMALE WEIGHT (g)		351	M or F					+(B) 16/10/01 (C)
PUP WEIGHTS (g)	1	6.1	M	8.2	13.0	26.3	43.6	2.72
	2	5.8	M	7.3	11.0	22.4	37.0	2.24
	3	6.1	M	6.8	10.5	22.7	38.3	2.23
	4	6.1	M	~~9.0~~ 6.4	14.5	28.9	45.5	2.18
	5	5.7	M	6.6	8.3	18.1	31.8	1.94
	6	5.6	M	7.4	9.7	19.3	33.5	2.21
	7	5.5	M	6.5	7.5	–	–	2.22
	8	5.3	F	6.4	9.1	20.6	34.0	1.18
	9	5.7	F	7.7	9.9	22.5	35.3	0.98
	10	6.2	F	8.0	9.0	17.8	32.6	1.06
	11	5.2	F	7.3	9.5	21.7	36.7	1.081
	12	5.0	F	6.4	8.7	19.0	32.0	0.87
	13	5.4	F	6.6	9.5	21.6	35.9	1.05
	14							
	15							
	16							
	17							
	18							
	19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	203

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	17
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.10.01

DAY P.P.	1	4	7	14	21	A-9
DATE	18.10.01 ~~am~~/pm*	21.10.01	24.10.01	31/10/01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	410	M or F	*(A) 22/10/01			
PUP WEIGHTS (g) 1	6.1	M	—	—	—	—	2.24
2	6.0	M	6.6	—	—	—	2.80
3	6.2	M	6.1	5.9	—	—	2.22
4	5.4	M	6.4	7.1	10.3	14.6	2.77
5	6.1	M	7.3	8.4	—	—	2.72
6	6.2	M	4.8	—	—	—	3.04
7	6.2	M	7.0	7.6	~~17.8~~ —	—	2.77
8	6.0	M	6.4	—	—	—	2.80
9	5.6	M	—	—	—	—	2.92
10	5.7	F	6.7	6.2	—	—	1.34
11	6.1	F	7.3	9.2	17.5	31.6	1.05
12	5.3	F	5.8	4.8	—	—	1.04
13*	5.0	F	5.8	—	—	—	1.04
14	4.6	F	5.8	4.7	—	—	1.26
15	5.8	F	7.1	8.2	11.7	23.7	1.08
16	5.7	F	6.5	—	—	—	1.08
17	5.3	F	5.2	—	—	—	1.17
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	204	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	overnight	8.30	DEAD	0
DATE	17-18/10/01	18/10/01	TOTAL	12
SIGNATURE			SIGNATURE /DATE	18/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	18/10/01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	345	M or F					
PUP WEIGHTS (g) 1	6.7	M	9.9	14.2	28.5	44.4	2.66
2	6.3	M	9.5	12.5	26.6	43.5	2.30
3	6.6	M	10.1	15.7	30.7	48.5	2.77
4	6.7	M	9.3	13.7	28.1	43.3	2.80
5	7.4	M	10.2	15.5	30.0	46.5	2.77
6	6.0	M	9.3	14.6	28.5	48.0	2.16
7	7.1	F	10.6	15.2	28.7	46.8	1.28
8	6.1	F	9.5	13.7	24.9	34.9	0.99
9	6.4	F	10.7	16.2	29.4	45.0	1.01
10	5.9	F	9.0	13.1	26.9	44.0	1.10
11	6.4	F	9.9	15.1	28.6	46.3	1.38
12	6.3	F	9.9	13.5	27.8	44.7	1.08
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	205

DOSE GROUP:	4
GENERATION:	P → F_1

LITTERING	STARTED	FINISHED
TIME	4.30	8.30
DATE	16/10/01	17/10/01
SIGNATURE		mm

PUPS BORN	
LIVE	17
DEAD	0
TOTAL	17
SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	17/10/01 ~~am~~/pm	20-10-01	~~23.10~~ 23.10.01	30-10-01	6-11-01	DISTANCE
			23.10.01			

		FEMALE WEIGHT (g)	M or F					
		323						
PUP WEIGHTS (g)	1	3.0	M	—	—	—	—	1.44
	2	6.3	M	9.6	13.7	23.3	34.4	2.98
	3	6.4	M	8.7	12.6	24.5	37.9	2.64
	4	5.8	M	8.6	12.2	24.4	37.0	2.49
	5	5.2	M	6.7	~~12.7~~ 6.2	—	—	3.11
	6	5.9	M	8.7	12.7	24.9	37.5	2.31
	7	5.5	M	7.6	11.3	21.4	33.0	3.06
	8	5.9	F	8.6	13.7	23.6	37.2	1.27
	9	6.0	F	8.8	13.3	24.6	37.3	0.96
	10	5.1	F	8.0	11.5	23.6	35.5	1.16
	11	5.8	F	8.4	10.3	23.0	37.1	0.96
	12	6.1	F	9.5	13.0	25.6	38.8	1.21
	13	6.1	F	8.4	12.9	24.6	36.4	0.72
	14	5.8	F	9.2	12.3	21.6	34.9	0.72
	15	5.5	F	8.0	11.7	25.1	36.8	1.05
	16	6.6 ~~5.~~	F	8.0	11.9	24.9	37.2	1.05
	17	5.8	F	7.9	11.3	21.7	34.6	1.04
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	H
FEMALE NUMBER:	206	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	~~16~~ 17 +
TIME	12.30	8.30	DEAD	0
DATE	19/10/01	20.10.01	TOTAL	~~16~~ 17 +
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 20.10.01

(4) 520.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	am/pm*		23/10/01	26/10/01	2.11.01	04/11/01	DISTANCE
FEMALE WEIGHT (g)	366	M or F					
PUP WEIGHTS (g) 1	6.6	M	10.9	15.2	29.5	51.2	2.79
2	7.6	M	9.1	13.4	24.2	42.1	2.44
3	7.6	M	10.3	14.6	28.3	48.4	2.68
4	7.0	M	9.6	14.4	28.9	47.8	2.98
5	7.2	M	10.2	15.0	28.4	45.3	2.57
6	6.4	M	9.1	12.6	12.7	—	2.76
7	7.8	M	10.7	14.2	24.1	42.1	2.66
8	8.1	M	10.3	15.3	28.9	48.1	2.56
9	6.4	F	7.8	—	—	—	1.04
10	7.4	F	9.6	14.3	27.7	47.2	1.07
11	7.8	F	10.6	13.9	24.6	42.6	1.03
12	7.1	F	8.9	12.7	25.1	42.9	1.15
13	7.0	F	9.9	12.2	20.2	36.4	1.11
14	7.1	F	9.8	~~[illegible]~~	27.5	45.5	1.03
15	7.0	F	9.6	13.3	27.1	44.0	1.02
16	7.3	F	9.8	15.4	28.4	45.7	1.12
17	6.6	F	8.8	12.6	27.2	44.2	1.13
18							
19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	207

DOSE GROUP:	4
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	overnight	8:30	DEAD	0
DATE	15/16.10.01	16.10.01	TOTAL	11
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

+ (B) 16/10/01 [illegible]

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 am/pm*		19.10.01	22/10/01	29.10.01	5.11.01	DISTANCE
FEMALE WEIGHT (g)	341	M or F					
PUP WEIGHTS (g) 1	7.0	M	9.9	14.6	29.1	45.9	2.77
2	6.6	M	9.7	15.2	29.2	44.7	2.72
3	7.0	M	9.9	14.8	28.5	45.7	2.50
4	6.4	M	9.8	14.2	28.7	46.8	2.73
5	6.9	M	9.8	15.4	30.6	45.6	2.23
6	7.2	M	10.9	15.2	30.0	47.1	2.46
7	4.9	F	6.4	10.0	22.2	35.6	0.90
8	6.1	F	8.5	12.3	25.5	40.1	0.99
9	6.0	F	8.3	13.4	26.2	42.0	1.25
10	+ ~~6.0~~ 6.5	F	9.9	+ ~~+~~ 15.2	24.4	46.1	1.11
11	~~6.5~~ +						
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	208	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	16
TIME	4:30	8:30	DEAD	0
DATE	17.10.01	18.10.01	TOTAL	16
SIGNATURE			SIGNATURE /DATE	18.10.01

DAY P.P.	1		4	7	14	21	A.G. MM
DATE	18.10.01 am/pm		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	332	M or F					
PUP WEIGHTS (g) 1	6.8	M	9.3	13.1	26.4	40.8	1.88
2	6.6	M	8.2	11.3	21.3	33.9	2.29
3	7.0	M	9.4	14.9	27.9	42.2	2.51
4	7.0	M	9.3	12.8	23.7	37.8	2.35
5	7.4	M	9.3	13.6	23.4	35.7	2.73
6	6.5	M	9.3	12.9	24.3	37.5	2.48
7	6.7	M	9.5	13.0	24.6	37.1	2.98
8	6.4	F	7.3	9.7	19.9	32.3	1.18
9	6.6	F	8.9	12.5	22.7	32.4	1.01
10	6.4	F	7.4	10.8	19.6	29.1	0.95
11	6.7	F	8.8	11.7	22.3	35.4	1.26
12	6.5	F	8.7	11.8	22.9	33.4	1.02
13	6.4	F	8.0	10.6	~~19.3~~ 20.3	31.6	1.23
14	6.5	F	9.1	12.9	24.0	37.4	1.03
15	5.7	F	7.4	11.9	19.3	30.6	1.16
16	7.1	F	9.2	13.2	24.2	35.5	1.19
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	209

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	8.30	4:30	DEAD	0
DATE	17/10/01	17.10.01	TOTAL	13
SIGNATURE	MM	MM	SIGNATURE /DATE	MM 17.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	18.10.01 am/pm*		21.10.01	24.10.01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	317	M or F					
PUP WEIGHTS (g) 1	8.3	M	11.3	15.5	30.0	49.7	2.43
2	8.3	M	11.8	16.3	32.8	53.9	2.87
3	8.1	M	10.9	15.0	29.0	48.4	3.25
4	7.5	M	10.7	15.5	28.8	48.6	2.71
5	6.3	F	9.7	13.4	25.4	43.4	1.18
6	7.5	F	9.2	13.0	25.9	45.5	1.48
7	7.4	F	10.6	13.4	28.3	45.2	1.12
8	7.5	F	10.7	15.7	29.4	49.4	0.95
9	6.9	F	10.7	14.2	26.5	47.3	0.98
10	6.7	F	9.5	13.4	27.7	46.1	1.12
11	6.9	F	10.3	14.4	27.8	47.6	1.00
12	7.2	F	10.6	14.5	27.3	47.3	0.97
13	7.2	F	10.0	13.7	26.9	46.9	0.93
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	210	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4:30	8.30	DEAD	0
DATE	17.10.01	18/10/01	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18/10/01

DAY P.P.	1		4	7	14	21	A-G NM
DATE	18/10/01 am/pm*		21-10-01	24-10-01	31.10.01	07/11/01	DISTANCE
FEMALE WEIGHT (g)	348	M or F					
PUP WEIGHTS (g) 1	7.8	M	9.8	14.1	24.4	43.1	2.14
2	6.6	M	9.5	13.8	28.5	47.0	2.34
3	7.0	M	10.1	13.8	25.7	42.9	2.75
4	6.8	M	10.3	16.5	30.0	44.4	2.30
5	6.3	M	9.0	14.6	27.4	42.6	2.22
6	6.4	M	8.7	13.6	28.3	44.3	2.50
7	6.4	M	9.6	12.6	26.2	42.4	2.91
8	6.9	M	10.0	14.9	28.3	45.6	2.89
9	6.5	M	9.3	14.1	28.6	42.9	2.89
10	7.0	F	10.3	15.0	29.5	46.6	1.32
11	6.1	F	9.4	12.7	27.2	45.5	1.01
12	5.7	F	9.0	11.5	22.0	39.3	1.21
13	6.1	F	8.3	12.6	25.7	40.1	1.17
14	6.6	F	8.6	13.1	27.7	43.6	1.19
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	211

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	13
SIGNATURE	m		SIGNATURE /DATE	16.10.01

DAY P.P.	1	4	7	14	21	A-G mm
DATE	16.10.01 am/pm*	19.10.01	22/10/01	29.10.01	5.11.01	DISTANCE
FEMALE WEIGHT (g)	344					
M or F						

PUP WEIGHTS (g)								
1	5.8	M	8.5	12.0	24.2	37.3	2.81
2	6.6	M	9.9	14.2	26.8	41.3	2.92
3	5.9	M	9.2	14.2	26.6	42.1	2.67
4	6.1	M	8.7	12.4	23.9	39.1	2.76
5	6.2	M	9.2	13.6	26.1	40.3	2.75
6	6.6	M	9.2	14.0	27.0	38.9	2.81
7	6.5	M	8.7	13.3	25.1	41.9	2.95
8	5.7	F	8.3	12.7	25.2	40.3	0.87
9	5.2	F	7.6	10.9	21.9	34.6	1.16
10	5.6	F	7.8	11.6	24.8	37.3	1.29
11	5.4	F	7.5	12.2	22.3	33.3	0.82
12	5.7	F	8.6	12.2	24.9	38.5	1.14
13	5.9	F	8.5	13.3	26.3	39.6	1.21
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	212	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	8.30	8:30	DEAD	0
DATE	18/10/01	19.10.01	TOTAL	16
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 19.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	19.10.01 am/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	333	M or F					

PUP WEIGHTS (g)	1	8.4	M	11.2	15.1	36.9	60.5	2.66
	2	7.2	M	9.6	12.7	—	—	2.75
	3	6.9	M	9.5	8.8	—	—	2.65
	4	7.2	M	9.0	10.3	—	—	2.85
	5	7.4	M	9.7	13.2	—	—	2.67
	6	8.2	M	11.1	15.3	36.8	58.1	2.77
	7	7.5	M	9.4	11.1	—	—	2.75
	8	7.8	M	11.2	16.3	32.1	55.6	2.88
	9	7.3	M	10.2	15.6	29.2	50.6	2.79
	10	6.8	M	10.0	13.3	—	—	2.66
	11	6.8	M	9.6	13.8	31.3	51.9	2.81
	12	7.4	M	8.2	10.7	22.4	40.4	2.76
	13	7.0	M	7.1	—	—	—	2.47
	14	7.6	F	9.6	10.4	—	—	1.09
	15	7.4	F	10.1	14.0	—	—	1.25
	16	6.9	F	8.9	10.7	—	—	1.32
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	18							
	19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	213

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	0
DATE	16/10/01	17/10/01	TOTAL	13
SIGNATURE		mm	SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	17/10/01 ~~am~~/pm*		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	364	M or F					
PUP WEIGHTS (g) 1	6.1	M	9.1	14.4	31.1	48.9	2.89
2	5.9	M	8.7	10.8	26.5	48.6	2.61
3	6.4	M	9.9	14.2	30.2	42.1	2.72
4	6.1	M	9.2	14.3	29.0	45.7	2.29
5	5.3	M	7.4	10.8	25.2	38.5	2.08
6	6.2	F	9.0	13.6	28.1	42.3	1.24
7	6.1	F	9.3	14.4	31.0	49.0	0.82
8	5.2	F	7.5	10.9	24.8	39.4	1.31
9	6.5	F	9.3	13.6	29.9	45.1	0.82
10	6.0	F	8.0	11.3	—	—	0.88
11	5.2	F	6.8	8.4	19.3	45.0	1.04
12	6.1	F	9.2	14.0	24.4	32.1	0.92
13	6.2	F	9.2	12.4	27.0	44.0	1.12
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) Individual Offspring Bodyweight During Lactation
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	214	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	12.30	8.30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	11
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 am/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	319	M or F					
PUP WEIGHTS (g) 1	6.6	M	9.1	12.2	27.9	45.9	2.58
2	7.0	M	9.5	13.4	—	—	2.78
3	6.4	M	8.8	13.4	30.3	47.5	2.61
4	7.2	M	11.0	15.2	29.2	48.9	2.35
5	6.2	F	8.9	14.4	29.6	48.9	0.95
6	6.1	F	9.0	13.3	29.4	48.3	0.89
7*	6.8	F	9.3	14.7	30.2	46.5	1.04
8	6.0	F	9.1	12.0	24.7	40.4	0.82
9	6.7	F	9.8	11.7	26.7	44.5	0.93
10*	7.0	F	9.4	~~4.7~~ 11.4	26.1	39.3	0.62
11*	6.5	F	~~9.4~~ 7.8	12.7	25.0	46.7	1.07
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	215

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	10
TIME	4.30	5:30	DEAD	0
DATE	15/10/01	16.10.01	TOTAL	10
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 ~~am~~/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	334	M or F					
PUP WEIGHTS (g) 1	7.1	M	10.6	14.4	26.5	44.0	2.77
2	6.3	M	9.3	13.2	24.9	41.7	2.65
3	6.8	M	9.2	12.9	25.5	42.6	2.55
4	6.4	M	8.8	13.7	25.5	43.1	2.89
5	6.1	M	10.0	15.0	26.9	43.3	2.70
6	6.5	F	8.6	12.4	24.2	40.6	1.09
7	5.8	F	7.8	11.2	20.6	35.6	1.23
8	5.4	F	8.4	12.3	23.5	39.0	1.16
9	5.6	F	8.4	12.3	23.6	39.5	0.85
10	5.9	F	8.6	12.8	24.3	38.1	0.86
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	216	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	1,56
TIME	8.30	12.30	DEAD	0
DATE	18/10/01	18.10.01	TOTAL	1,56
SIGNATURE			SIGNATURE /DATE	18.10.01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	19.10.01 am/pm*		22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	343	M or F					
PUP WEIGHTS (g) 1	7.4	M	11.2	15.8	26.8	42.9	2.38
2	7.5	M	11.5	15.7	24.8	42.1	2.22
3	7.6	M	11.2	15.5	29.6	44.4	2.11
4	7.9	M	11.1	14.3	27.8	44.1	2.90
5	7.3	M	11.6	15.4	28.0	45.3	2.14
6	7.1	M	9.6	14.1	25.0	42.3	2.24
7	7.8	F	12.0	15.6	28.1	42.9	1.29
8	6.7	F	10.8	15.2	26.2	40.7	1.20
9	7.1	F	11.1	15.2	26.4	43.0	1.36
10	7.3	F	11.3	16.0	28.4	44.5	1.44
11	7.9	F	10.9	15.5	27.5	43.5	1.34
12	7.4	F	11.2	15.5	28.8	43.9	0.98
13	5.5	F	7.4	9.8	19.6	34.1	0.92
14	7.1	F	9.5	12.9	27.2	41.6	0.93
15	7.3	F	10.1	13.8	25.3	41.0	1.55
16	7.1	F	11.4	15.0	27.7	43.9	1.22
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	217

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	13
TIME	7.30	8.30	DEAD	0
DATE	23.10.01	24/10/01	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 24/10/01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	24.10.01 am/pm	27.10.01	30.10.01	6/11/01	13/11/01	DISTANCE

		FEMALE WEIGHT (g)	M or F					
		348						
PUP WEIGHTS (g)	1	6.6	M	7.8	12.3	22.5	38.7	1.92
	2	6.2	M	6.5	10.9	19.2	36.6	2.82
	3	6.3	M	7.7	11.8	21.2	39.0	2.61
	4	6.7	M	8.7	14.1	28.5	49.5	2.61
	5	6.1	M	7.3	12.0	23.5	41.6	2.83
	6	5.8	M	7.3	12.1	27.0	42.7	2.35
	7	6.3	M	7.7	11.8	24.1	39.8	2.82
	8	6.2	F	7.7	12.0	25.9	41.1	1.58
	9	5.9	F	7.8	13.1	27.4	44.0	1.27
	10	5.3	F	7.0	11.4	26.4	43.8	1.35
	11	6.1	F	7.9	13.4	27.8	47.1	1.40
	12	5.7	F	7.2	12.5	25.0	44.5	1.12
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	14							
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	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	218	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	15/10/01	15/10/01	TOTAL	15
SIGNATURE	ML	ML	SIGNATURE /DATE	ML 15/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	16/10/01 am/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	356	M or F					

PUP WEIGHTS (g)								
	1	5.9	M	9.1	13.2	26.9	39.5	3.02
	2	6.6	M	9.8	14.6	26.9 28.6	46.5	2.77
	3	5.7	M	8.2	11.6	23.3	36.0	2.46
	4	6.5	M	9.9	14.4	26.5	41.0	2.27
	5	6.0	M	8.7	12.3	26.4	39.9	2.36
	6	6.4	M	9.7	13.5	26.2	41.5	3.17
	7	6.5	M	9.0	14.1	26.8	37.8	2.83
	8	6.3	M	9.2	12.7	25.3	46.6	3.22
	9	6.7	M	9.9	15.0	30.1	45.9	2.99
	10	6.6	M	9.8	14.3	29.9	40.9	2.99
	11	6.4	M	9.3	13.5	27.1	41.8	2.15
	12	6.3	F	9.1	13.8	25.5	40.7	1.16
	13	6.6	F	9.1	13.2	26.9	41.1	1.22
	14	6.4	F	9.0	13.5	25.8	40.0	1.31
	15	6.3	F	9.0	14.6	28.3	42.9	1.14
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	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	219

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	13
TIME	4.30	4.30	DEAD	0
DATE	16/10/01	16/10/01	TOTAL	13
SIGNATURE			SIGNATURE /DATE	16/10/01

DAY P.P.	1		4	7	14	21	A-G MM
DATE	17.10.01 am/pm		20.10.01	23.10.01	30.10.01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	322	M or F					
PUP WEIGHTS (g) 1	8.0	M	11.4	15.7	29.5	47.2	2.89
2	7.2	M	10.5	15.9	31.1	47.0	2.43
3	6.9	M	9.3	14.0	28.4	42.3	2.93
4	6.3	M	9.1	14.9	29.8	45.0	2.20
5	7.1	M	10.3	12.3	26.5	39.5	2.49
6	6.4	M	8.9	13.6	28.6	44.9	2.59
7	7.7	M	11.0	15.1	29.7	46.8	2.52
8	6.5	M	9.5	13.7	27.7	41.6	2.52
9	6.8	F	9.9	14.5	28.6	45.8	0.74
10	6.9	F	10.7	16.4	30.2	49.3	0.71
11	6.4	F	9.2	13.0	25.4	41.3	0.93
12	6.1	F	8.2	13.3	26.2	41.4	0.80
13	5.8	F	7.9	11.6	25.6	42.0	1.00
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19			x̄	14.4			
20			SD	1.9			

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	220	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	overnight	8:30	DEAD	0
DATE	15/16. 10.01	16.10.01	TOTAL	12
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 16.10.01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	16.10.01 am/pm*		19.10.01	22/10/01	29.10.01	05/11/01	DISTANCE
FEMALE WEIGHT (g)	331	M or F					
PUP WEIGHTS (g) 1	8.1	M	10.1	12.7	22.2	39.3	2.24
2	8.3	M	11.5	16.5	32.6	53.7	3.01
3	7.8	M	10.5	14.1	30.2	47.9	2.07
4	7.7	M	9.0	9.4	–	–	2.55
5	8.4	M	10.4	12.8	27.6	48.9	2.66
6	8.6	M	11.0	15.9	31.6	49.7	2.84
7	7.8	F	10.1	13.6	27.6	47.3	0.94
8	7.8	F	10.7	15.7	31.1	49.8	0.87
9	7.5	F	10.1	13.7	28.6	47.0	0.83
10	7.3	F	9.9	11.4	20.5	36.7	1.19
11	7.2	F	9.4	13.7	26.6	44.2	0.77
12	7.9	F	10.3	14.2	29.3	48.7	1.08
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	221

DOSE GROUP:	4
GENERATION:	P → F_1

LITTERING			PUPS BORN	
	STARTED	FINISHED	LIVE	~~3~~ 5 +
TIME	12.30	12.30	DEAD	0
DATE	19/10/01	19/10/01	TOTAL	~~3~~ 5 +
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 19/10/01

+(A) 519-109

DAY P.P.	1	4	7	14	21	A-G mm
DATE	20/10/01 am/~~pm~~	23/10/01	26/10/01	2-11-01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	343					
PUP WEIGHTS (g) 1	8.1	M	13.3	19.0	34.9	55.1	2.92
2	8.0	M	13.3	19.5	35.8	55.0	2.67
3	7.9	M	12.7	17.0	31.6	52.0	2.70
4	7.5	F	13.2	19.4	33.3	56.4	1.03
5	7.4	F	12.1	17.7	33.5	53.1	1.20
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	222	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	OVERNIGHT	8.30	DEAD	0
DATE	16-17/10/01	17/10/01	TOTAL	15
SIGNATURE	mm	mm	SIGNATURE /DATE	mm 17/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	17/10/01 ~~am~~/pm*		20-10-01	23-10-01	30-10-01	06/11/01	DISTANCE
FEMALE WEIGHT (g)	384	M or F					+ @ 17/10/01
PUP WEIGHTS (g) 1	7.1	M	9.4	8.2	—	—	2.~~3~~44
2	7.4	M	9.7	16.1	40.7	61.6	2.69
3	7.1	M	9.4	12.3	27.8	47.5	2.34
4	6.1	M	8.5	13.9	—	—	3.14
5	7.3	M	9.8	14.7	35.6	56.3	2.86
6	7.0	M	9.8	14.2	14.9	—	3.03
7	7.1	M	8.6	11.7	27.2	47.7	2.64
8	6.5	F	8.5	13.2	—	—	1.09
9	6.2	F	8.3	—	—	—	1.17
10	6.5	F	8.4	14.1	36.0	55.0	1.03
11	7.0	F	8.5	10.3	—	—	1.05
12	6.9	F	10.3	17.2	43.8	64.2	0.93
13	7.4	F	10.0	15.2	39.4	60.0	0.92
14	7.3	F	9.7	13.7	—	—	0.89
15	6.9	F	9.7	12.1	—	—	1.25
16							
17							
18							
19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**

(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	223

DOSE GROUP:	4
GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	overnight	8:30	DEAD	0
DATE	18/19.10.01	19.10.01	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 19.10.01

DAY P.P.	1	4	7	14	21	A-G MM
DATE	19.10.01 ~~am~~/pm*	22/10/01	25/10/01	1/11/01	08/11/01	DISTANCE
FEMALE WEIGHT (g)	330					

			M or F					
PUP WEIGHTS (g)	1	6.4	M	10.1	13.4	26.1	42.3	2.74
	2	6.1	M	8.7	12.3	25.0	38.5	2.47
	3	6.7	M	9.2	14.4	28.8	45.3	2.78
	4	7.1	M	10.7	13.5	24.0	38.4	2.79
	5	6.4	M	9.7	13.0	25.5	38.5	2.61
	6	6.9	M	9.8	12.5	24.4	40.0	2.48
	7	6.7	M	8.4	11.9	25.1	40.7	2.99
	8	6.4	M	9.1	12.6	24.9	38.2	3.01
	9	7.0	M	9.7	11.6	18.8	31.2	2.86
	10	6.4	M	9.4	13.4	25.5	39.1	2.62
	11	5.6	F	8.4	10.9	22.3	36.4	1.29
	12	5.7	F	8.2	11.6	24.3	37.5	1.16
	13	6.4	F	8.4	12.5	23.5	37.3	1.04
	14	4.7	F	6.7	9.0	—	—	1.24
	15	6.5	F	9.4	13.1	26.0	40.7	1.26
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 39 (continued) **Individual Offspring Bodyweight During Lactation**
(a) F_0 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	224	GENERATION:	P → F1

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	8
TIME	12.30	4.30	DEAD	0
DATE	19/10/01	19/10/01	TOTAL	8
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 19/10/01

DAY P.P.	1		4	7	14	21	A-G mm
DATE	20/10/01 am/pm*		23/10/01	26/10/01	2.11.01	09/11/01	DISTANCE
FEMALE WEIGHT (g)	347	M or F		@ 26/10/01 [signature]			
PUP WEIGHTS (g) 1	8.2	M	13.9	*20.7	37.8	63.6	2.73
2	8.8	M	13.7	19.5	38.8	61.3	2.69
3	8.4	M	13.5	17.3	37.3	62.1	2.67
4	7.8	F	13.0	~~15.7~~ 17.8	34.2	57.6	1.06
5	5.1	F	8.0	12.3	28.5	47.2	0.72
6	7.5	F	12.2	17.1	34.7	57.4	1.06
7	7.3	F	11.7	17.2	35.8	59.6	1.02
8	6.1	F	9.2	13.0	28.7	48.1	1.03
9							
10							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

Animal number 337 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	338

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	18
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 ~~am/pm*~~		17-2-02	20 2.2	28/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	353	M or F					
PUP WEIGHTS (g) 1	6.2	M	8.1	12.9	23.6	36.7	2.64
2	6.3	M	9.1	13.0	28.1	45.5	2.35
3	7.0	M	9.3	14.7	27.8	42.2	3.11
4	6.1	M	9.0	12.1	24.2	37.4	2.53
5	6.8	M	8.2	12.8	26.0	40.9	2.21
6	6.1	M	8.7	12.7	25.9	41.0	2.22
7	5.5	M	6.1	—	—	—	2.27
8	6.1	F	8.5	11.8	22.0	35.6	1.13
9	5.8	F	7.3	10.6	20.8	36.2	1.04
10	6.2	F	8.4	11.8	23.4	38.0	1.19
11	6.1	F	7.8	11.8	22.5	35.0	0.97
12	5.6	F	8.1	11.7	22.9	32.6	1.14
13	5.0	F	5.8	—	—	—	1.03
14	6.2	F	8.5	13.1	25.1	40.0	1.06
15	5.8	F	8.0	11.8	25.0	37.5	1.05
16	5.7	F	8.4	12.1	23.3	38.0	1.17
17	5.9	F	8.0	9.3	19.9	31.3	1.03
18	6.1	F	7.5	11.4	21.6	33.5	1.01
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	339

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	19
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	19
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	14/2/02 am/pm*	17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	381					

PUP WEIGHTS (g)	M or F					
1	6.4	M	9.1	12.9	23.6	33.9	2.71
2	6.7	M	9.7	13.9	22.3	35.8	2.12
3	6.7	M	9.2	12.6	22.4	34.5	2.93
4	6.9	M	9.8	14.1	24.5	35.6	2.70
5	6.8	M	9.5	12.2	20.4	31.1	3.02
6	6.5	F	8.5	12.6	21.9	32.4	1.16
7	6.3	F	8.8	12.7	23.4	35.4	0.99
8	5.9	F	8.4	11.6	21.2	35.4	1.18
9	6.0	F	8.1	10.5	20.8	31.4	1.19
10	5.9	F	7.9	11.5	19.6	30.0	1.23
11*	6.4	F	8.3	11.7	22.2	33.1	1.10
12	5.6	F	7.7	11.4	18.7	29.6	1.21
13	6.1	F	8.8	13.1	21.8	32.8	1.10
14	5.4	F	7.4	9.9	19.2	30.7	0.99
15	6.1	F	8.2	11.8	20.7	30.2	1.02
16	5.9	F	8.1	10.2	18.0	29.0	1.01
17	6.1	F	8.3	12.9	24.3	36.1	1.09
18							
19							
20							

*Marked on 29 on 30.2.2.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	340

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	OVERNIGHT	8.30	DEAD	0
DATE	14-15/2/02	15/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 ~~am~~/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	315	M or F					
PUP WEIGHTS (g) 1	6.3	M	7.9	11.0	~~19~~ 24.6	33.1	2.19
2	6.4	M	8.1	10.9	22.4	30.4	2.15
3	6.6	M	8.2	12.1	20.1	32.2	2.97
4	6.0	M	7.7	11.9	22.5	33.8	2.29
5	6.1	M	7.4	10.7	23.0	32.7	2.55
6	6.8	M	8.5	12.6	23.8	34.6	2.45
7	6.7	M	8.3	11.4	21.1	29.0	2.35
8	6.6	M	8.0	11.5	24.5	37.1	2.27
9	5.6	M	7.0	9.6	17.9	29.2	2.38
10	6.6	M	8.5	12.1	22.3	33.4	2.00
11	6.2	F	8.4	12.5	23.9	34.1	1.05
12	6.2	F	7.8	11.8	22.0	33.4	0.91
13	6.0	F	7.5	11.4	22.5	30.0	0.93
14	5.8	F	8.1	11.9	23.1	31.1	1.07
15	7.0	F	8.6	12.5	22.9	34.3	1.09
16	6.5	F	8.5	11.9	21.5	31.3	0.98
17	5.6	F	7.1	10.4	19.2	30.3	0.97
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	341	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	326	M or F					
PUP WEIGHTS (g) 1	6.9	M	9.4	13.7	26.4	44.3	2.60
2	7.2	M	9.3	13.8	27.8	45.9	2.64
3	7.1	M	9.2	13.3	26.3	45.8	2.77
4	7.4	M	–	–	–	–	2.37
5	7.2	M	9.8	14.6	26.8	48.8	2.56
6	8.1	M	10.0	14.5	27.1	47.6	3.12
7	6.7	M	8.8	12.9	25.0	43.6	2.54
8	7.2	F	9.5	13.9	25.2	42.8	1.02
9	6.7	F	7.7	11.4	23.7	40.3	1.00
10	6.5	F	8.5	12.6	22.3	38.2	1.01
11	6.6	F	8.8	12.8	27.1	44.3	1.07
12	7.2	F	9.8	13.0	23.6	38.9	0.98
13	6.5	F	8.1	11.5	22.5	36.5	1.03
14	6.8	F	8.6	12.1	24.1	40.6	1.08
15	6.1	F	7.7	11.3	22.0	35.9	1.01
16	6.8	F	8.5	13.0	24.1	40.7	1.03
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	342

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	ML 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	330	M or F					
PUP WEIGHTS (g) 1	7.3	M	11.5	16.6	31.8	47.5	2.78
2	6.6	M	9.2	13.6	24.4	40.1	2.94
3	6.9	M	9.7	15.1	30.5	47.8	2.56
4	7.8	M	10.5	16.2	32.2	50.7	2.37
5	7.0	M	10.1	15.2	30.6	46.4	2.30
6	6.9	M	9.8	14.7	30.0	56.8	2.39
7	7.0	M	9.8	15.6	30.0	46.9	2.55
8	7.5	M	10.1	15.8	31.2	47.1	2.73
9	5.8	F	8.7	13.1	29.5	44.2	1.07
10	6.9	F	10.1	15.9	31.0	42.7	0.98
11	6.6	F	9.9	16.0	30.1	44.4	1.00
12	6.6	F	10.2	14.8	29.5	45.9	1.09
13	6.2	F	9.6	14.2	28.2	45.8	0.85
14	5.7	F	–	–	–	–	0.90
15	6.4	F	8.5	12.5	25.1	42.1	1.11
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	343

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	18
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 ~~am~~/pm*		17.2.02	20.2.2	28/2/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	328	M or F					
PUP WEIGHTS (g) 1	6.0	M	8.5	14.0	26.9	35.7	2.76
2	5.7	M	8.2	13.1	24.2	36.9	2.54
3	6.8	M	8.7	12.8	24.8	37.3	2.39
4	6.5	M	9.1	13.0	25.9	36.4	2.54
5	5.8	M	9.4	13.0	25.4	37.0	2.35
6	5.9	M	—	—	—	—	2.15
7	6.0	M	9.0	13.7	24.9	36.0	2.55
8	6.6	M	9.8	14.1	27.4	40.2	2.46
9	5.9	F	9.0	13.3	27.4	39.4	0.96
10	5.9	F	8.4	12.5	25.5	32.7	1.17
11	5.8	F	8.6	12.5	23.2	36.4	1.16
12	5.8	F	8.4	12.3	23.9	35.6	1.12
13	5.6	F	7.9	11.1	23.2	33.6	1.10
14	5.4	F	7.7	11.6	19.7	29.5	0.97
15	6.2	F	8.4	13.6	27.1	40.7	0.98
16	4.7	F	6.5	7.9	13.3	21.2	1.03
17	5.9	F	7.8	11.1	20.8	31.6	0.91
18	5.4	F	7.4	11.5	23.4	35.3	1.21
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	344	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	12/2/02	12/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	12/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm#		16.2.02	19.2.2	26/02/02	~~26/02/02~~ 5.3.02	Distance mm
FEMALE WEIGHT (g)	317	M or F					
PUP WEIGHTS (g) 1	5.9	M	8.4	13.0	24.3	36.0	2.39
2	6.5	M	8.8	12.5	23.9	35.5	2.41
3	6.8	M	8.8	12.3	23.6	35.2	2.59
4	6.7	M	10.0	14.0	~~+26~~	37.5	2.39
5	6.7	M	9.5	14.4	26.6	40.5	2.35
6	6.4	M	8.4	11.7	24.4	37.1	2.70
7	6.5	M	8.6	13.9	25.0	37.5	2.47
8	6.5	M	8.8	13.1	26.3	39.0	2.81
9	6.1	F	7.5	10.0	20.3	30.6	1.01
10	6.2	F	8.4	12.6	23.2	37.3	1.15
11	6.0	F	8.3	12.6	22.7	36.4	1.19
12	6.4	F	8.6	13.8	25.7	~~27.9~~	1.25
13	6.6	F	8.6	11.2	27.9	35.5	1.13
14	5.8	F	6.7	9.9	20.5	31.4	1.04
15	6.3	F	8.6	12.4	22.6	34.2	1.04
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	345

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	353	M or F					
PUP WEIGHTS (g) 1	7.8	m	11.0	15.7	30.0	47.5	2.64
2	7.2	m	10.7	15.9	30.5	50.2	2.47
3	7.4	m	10.7	16.7	33.0	51.9	2.77
4	7.4	m	10.7	16.2	30.1	46.7	2.79
5	7.8	m	11.8	17.2	30.8	49.9	2.94
6	7.6	m	11.2	16.6	29.6	47.5	2.76
7	6.8	F	9.4	11.6	25.0	42.1	0.96
8	7.3	F	10.1	15.2	30.3	49.1	0.93
9	7.4	F	11.4	17.4	33.7	51.0	0.99
10	7.2	F	11.7	17.2	31.5	53.6	1.15
11	6.8	F	10.1	15.1	28.1	44.9	0.95
12	7.2	F	10.6	16.7	30.8	48.8	1.04
13	7.0	F	11.7	15.7	31.4	49.7	1.17
14	7.3	F	11.1	16.5	32.6	54.5	1.15
15		K.					
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	346	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	344	M or F					
PUP WEIGHTS (g) 1	7.8	M	11.0	16.5	32.6	49.8	2.56
2	7.4	M	10.9	16.3	33.5	53.0	2.81
3	8.0	M	11.4	17.0	33.8	52.9	2.75
4	8.0	M	11.1	15.5	29.8	50.8	3.21
5	7.1	F	9.6	14.0	29.3	47.8	1.07
6	7.4	F	10.5	15.3	29.6	49.2	1.03
7	7.0	F	10.0	14.9	30.0	50.0	1.10
8	7.9	F	11.0	17.4	32.8	50.6	1.08
9	7.2	F	9.9	13.8	27.4	47.7	1.19
10	7.7	F	10.4	15.4	30.3	50.2	1.04
11	7.2	F	10.1	14.9	28.6	46.3	1.10
12	7.4	F	10.3	15.6	30.0	49.2	1.09
13	7.1	F	10.5	15.4	30.3	50.0	1.07
14	7.9	F	10.9	16.0	31.9	51.9	1.17
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	347	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	368	M or F					
PUP WEIGHTS (g) 1	5.3	M	6.9	8.6	17.0	33.2	2.36
2	6.3	M	9.5	13.1	15.6	35.3	2.53
3	6.3	M	6.8	7.3	—	—	2.54
4	6.5	M	9.3	16.9	32.1	50.9	3.04
5	6.1	M	—	—	—	—	2.54
6	4.5	M	6.6	9.0	—	—	2.49
7	6.3	M	9.1	12.1	28.3	45.9	2.53
8	5.7	M	7.2	9.4	19.6	38.6	2.47
9	5.6	M	8.2	17.1	33.3	53.4	2.41
10	5.9	M	8.0	12.7	21.5	40.5	2.48
11	5.7	F	7.3	9.4	21.6	40.1	1.05
12	5.5	F	8.2	10.1	—	—	1.09
13	6.3	F	8.1	11.3	25.6	43.9	1.00
14	5.4	F	7.2	9.2	11.9	—	1.07
15	5.8	F	8.3	11.9	18.4	37.1	0.93
16	5.8	F	8.5	11.8	27.9	46.3	1.15
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

Animal number 348 found dead.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	349	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	8
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	8
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 14/2/02		17-2-02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	370	M or F					
PUP WEIGHTS (g) 1	7.4	M	10.5	15.1	31.6	47.2	2.75
2	7.3	M	10.2	15.0	32.1	48.5	2.78
3	6.9	M	9.6	14.4	32.3	48.2	2.54
4	7.1	M	9.7	14.0	31.1	46.1	2.79
5	6.5	M	8.9	13.6	30.3	45.6	2.76
6	6.6	F	10.2	14.6	31.8	49.2	1.08
7	6.7	F	10.1	14.5	30.6	46.4	1.05
8	6.6	F	9.3	14.4	31.0	46.5	1.28
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	350	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	12.30	DEAD	0
DATE	11.2.02	12/2/02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12/2/02

DAY P.P.		1		4	7	14	21	A - G
DATE		13/2/02 ~~8.30~~+ am/~~pm~~=	+ mm (A) 13/2/02	14.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)		352	M or F					
PUP WEIGHTS (g)	1	6.9	M	8.6	13.1	27.8	44.6	2.86
	2	6.4	M	7.8	11.4	~~28.0~~ 26.5	43.7	2.84
	3	7.1	M	8.9	13.2	28.0	45.3	2.21
	4	6.6	M	8.1	12.3	25.7	40.4	3.03
	5	5.5	M	-	-	-	-	2.67
	6	6.8	M	8.3	11.8	23.9	38.2	2.55
	7	6.7	M	8.7	13.1	30.3	44.5	2.92
	8	6.4	F	9.3	13.8	28.4	44.0	1.13
	9	6.2	F	8.1	12.0	21.9	37.3	1.20
	10	5.3	F	7.3	11.2	20.7	36.5	1.17
	11	6.1	F	8.2	12.1	—	—	1.17
	12	6.2	F	7.8	12.4	27.9	45.6	1.18
	13	6.0	F	7.3	10.8	26.8	42.4	1.05
	14							
	15							
	16							
	17							
	18							
	19							
	20							

- (A) 26/02/02 [illegible]

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	351

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	~~am~~/pm* 14/2/02		17-2-02	20-2-2	27/02/02	6 3.02	Distance mm
FEMALE WEIGHT (g)	362	M or F					x(A) 14/02/02
PUP WEIGHTS (g) 1	6.1	M	9.7 M	12.1	23.2	35.6	3.05
2	5.9	M	8.6 M	12.5	25.4	33.8	2.83
3	6.4	M	8.7 M	12.7	26.3	36.4	2.63
4	6.9	M	9.5 M	14.5	25.7	37.1	2.55
5	5.7	M	8.4 M	12.6	23.5	33.7	2.55
6	6.7	M	9.1 M	13.8	28.8	36.6	2.79
7	7.1	M	10.0 M	15.0	28.1	42.1	2.26
8	7.1	M	10.5 M	15.5	28.2	44.2	2.36
9	6.7	M	9.7 M	14.3	29.1	33.6	2.36
10	6.6	M	8.9 M	15.0	25.8	36.6	2.57
11	6.4	F	8.5 F	12.6	22.2	34.2	1.15
12	6.5	F	9.1 F	13.6	24.8	38.1	1.05
13	6.3	F	9.2 F	13.7	23.8	32.4	1.10
14	5.9	F	8.1 F	11.8	22.6	36.2	0.98
15	6.3	F	8.3 F	14.6	27.1	42.1	1.06
16	6.0	F	9.5 F	12.2	24.2	36.6	1.16
17							
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19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	352	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 ~~am~~/pm*		17-2-02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	365	M or F					
PUP WEIGHTS (g) 1	7.8	M	11.3	17.2	32.6	52.3	2.36
2	7.9	M	12.4	17.1	32.5	54.0	2.75
3	7.4	M	9.8	16.4	32.0	52.6	2.30
4	7.9	M	12.3	18.2	33.6	51.5	2.26
5	8.4	M	13.0	18.2	34.2	52.6	2.96
6	7.9	M	11.7	18.0	34.4	50.7	2.68
7	6.9	M	11.7	16.8	32.0	52.0	2.27
8	8.2	M	12.1	18.4	34.3	53.4	2.62
9	7.4	F	11.1	17.1	30.7	48.3	1.11
10	7.6	F	11.1	16.3	31.1	51.6	1.16
11	7.2	F	11.1	16.5	33.5	56.0	1.01
12	7.9	F	11.8	17.5	32.0	50.9	1.15
13	7.3	F	10.9	17.2	31.3	53.0	1.03
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	353	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	Overnight	5.30	DEAD	0
DATE	12-13/2/02	13/2/02	TOTAL	15
SIGNATURE	ML	ML	SIGNATURE /DATE	ML 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 ~~am~~/pm#		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	331	M or F					
PUP WEIGHTS (g) 1	7.2	M	10.4	14.5	29.9	46.3	2.44
2	7.4	M	10.2	14.9	29.6	44.9	2.31
3	7.2	M	9.3	14.0	25.8	39.7	2.43
4	7.3	M	10.5	14.5	29.1	40.8	2.55
5	6.9	F	8.9	13.9	27.2	42.6	1.02
6	6.9	F	9.3	13.2	25.0	41.2	0.95
7	6.5	F	9.2	14.1	25.6	39.7	1.06
8	6.6	F	9.1	13.4	26.2	39.3	1.12
9	7.2	F	10.1	14.9	28.1	43.9	1.10
10	6.5	F	9.1	12.8	24.5	39.3	1.00
11	5.6	F	6.8	9.3	18.7	30.7	1.00
12	7.1	F	9.4	14.6	25.9	40.6	1.09
13	7.3	F	10.3	14.9	26.8	40.9	1.03
14	6.9	F	9.3	13.5	25.6	42.6	1.10
15	6.9	F	9.6	13.6	27.8	43.8	1.06
16							
17							
18							
19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	354	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	8.30	12.30	DEAD	0
DATE	13/2/02	13.2.02	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 13.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	301	M or F					
PUP WEIGHTS (g) 1	7.0	M	10.4	15.0	25.7	42.8	2.36
2	7.1	M	9.3	13.6	26.0	42.0	2.53
3	7.1	M	10.1	13.6	26.0	44.7	2.29
4	7.6	M	10.8	15.6	25.2	43.7	2.81
5	7.6	M	10.7	14.4	27.1	45.3	2.74
6	7.3	M	10.4	14.9	27.0	44.5	2.66
7	6.9	M	10.0	13.9	27.8	44.6	2.34
8	7.6	M	11.1	15.7	30.9	47.9	2.38
9	7.5	M	11.1	15.3	30.5	50.4	2.63
10	7.6	F	10.9	15.5	26.7	44.5	1.25
11	7.0	F	9.8	14.4	26.0	43.4	1.06
12	6.8	F	9.6	13.3	25.6	42.7	0.99
13	6.8	F	10.1	14.5	27.2	44.1	1.07
14	6.6	F	9.5	13.9	25.9	44.5	1.02
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	355

DOSE GROUP:	1
GENERATION:	F_1–F_2

+ (A) 13/02/02

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	~~am/pm*~~ 14/2/02	17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	323					

			M or F					
						@ 27/02/02		
PUP WEIGHTS (g)	1	6.0	M	9.4 M +	12.5	25.1	38.7	2.62
	2	6.5	M	9.8 M +	12.9	26.1	40.7	2.75
	3	6.9	M	9.7 M +	14.1	28.9	45.0	2.64
* marked on 24 in 20.2.2	* 4	6.8	M	9.5 M +	13.9	26.6	40.3	2.31
	5	6.8	M	9.9 M +	13.4	27.1	41.3	2.75
	6	6.3	M	9.4 M +	13.1	26.4	40.8	2.95
	7	6.6	M	9.8 M +	14.1	27.6	40.4	2.49
	8	7.0	M	9.3 M +	13.3	27.5	42.0	2.89
	9	6.7	M	9.2 M +	13.3	26.9	43.1	2.69
	10	6.8	M	9.5 M +	13.2	26.5	38.8	2.55
	11	6.1	F	9.3 F +	12.9	25.4	41.7	1.05
	12	6.5	F	9.1 F +	13.0	23.9	37.5	1.10
	13	6.6	F	8.9 F +	13.6	26.4	41.8	1.08
	14	6.7	F	9.4 F +	13.5	25.9	42.0	1.05
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	356	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	~~4:30~~ 6:30	5:30	DEAD	0
DATE	~~12/2/02~~ 22.2.2	23.2.2	TOTAL	16
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	23.2.2

+mm(A) 13/2/02 @ 815.5.02

DAY P.P.	1		4	7	14	21	A - G
DATE	23.2.2. ~~am~~/pm*		26/02/02	01/03/02	8.3.02	1[illegible].3.02	Distance mm
FEMALE WEIGHT (g)	7.29	M or F					
PUP WEIGHTS (g) 1	6.0	m	8.5	12.4	23.4	36.9	2.16
2	6.6	m	9.7	13.5	26.9	41.7	2.28
3	7.0	m	10.0	13.9	27.3	41.3	2.79
4	7.2	m	10.3	14.9	26.8	42.3	2.62
5	6.8	m	9.7	13.9	26.3	40.4	2.36
6	6.2	m	8.6	12.1	24.5	37.6	2.59
7	6.4	m	9.1	13.4	26.2	41.6	2.77
8	6.1	F	8.8	12.4	23.9	36.8	1.19
9	6.6	F	9.3	12.9	25.2	41.0	1.28
10	5.8	F	8.2	11.3	20.6	33.0	0.85
11	6.2	F	9.0	12.8	24.6	42.5	1.08
12	6.3	F	8.4	10.3	19.9	31.6	1.08
13	6.3	F	8.2	12.1	24.9	30.1	1.20
14	6.5	F	9.1	13.2	26.4	42.7	1.09
15	6.1	F	8.4 ~~[illegible]~~	11.3	20.9	34.1	0.93
16	6.6	F	8.6	12.8	23.2	37.3	1.01
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	357

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	12 30	4.30	DEAD	0
DATE	12/2/02	12/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	12/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	3/2/02 am/pm#		16-2-02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	361	M or F					
PUP WEIGHTS (g) 1	8.2	M	12.0	17.4	32.6	47.1	2.76
2	8.2	M	10.8	16.3	31.5	50.6	2.45
3	7.9	M	11.8	16.1	30.7	48.7	2.76
4	8.2	M	11.4	16.4	33.4	51.7	2.85
5	8.1	F	11.0	16.5	31.8	50.2	1.14
6	7.7	F	10.8	15.4	28.0	41.2	1.17
7	7.6	F	10.6	16.0	29.9	48.9	1.07
8	7.1	F	10.1	13.5	28.6	43.6	1.13
9	7.4	F	10.3	15.4	31.6	50.6	1.01
10	8.0	F	11.4	15.9	32.3	51.2	1.00
11	7.8	F	11.4	16.0	31.8	50.3	1.13
12	8.2	F	11.4	16.5	31.2	49.5	0.97
13	7.3	F	10.4	14.5	30.9	47.6	1.07
14	7.6	F	10.5	15.0	31.6	49.0	0.93
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	358	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	8.30	12.30	DEAD	0
DATE	15/2/02	15.2.02	TOTAL	12
SIGNATURE			SIGNATURE /DATE	15.2.02

DAY P.P.	1	4	7	14	21	A - G
DATE	16.2.02 am/~~pm~~*	19.2.2	22.2.2	01/03/02	8.3.02	Distance mm
FEMALE WEIGHT (g)	302					

PUP WEIGHTS (g)		M or F					
1	7.2	M	10.5	14.6	23.7	34.0	2.19
2	7.7	M	11.6	15.7	24.4	38.2	2.69
3	8.5	M	11.7	16.3	26.0	41.5	2.91
4	7.8	M	11.3	15.9	24.5	37.5	2.70
5	7.3	M	10.8	15.7	24.9	40.3	2.46
6	7.5	M	11.2	15.4	21.7	34.6	2.67
7	7.7	M	11.0	15.1	25.7	39.2	2.61
8	7.6	M	11.4	15.8	26.4	41.1	2.48
9	6.5	M	10.0	13.2	23.7	35.3	2.60
10	6.8	F	10.2	14.3	21.7	38.4	1.08
11	7.4	F	10.9	15.3	24.3	38.9	0.98
12	7.0	F	10.1	14.3	22.3	33.9	1.15
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	359

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	12-30	8.30	DEAD	0
DATE	15-2-02	16.2.02	TOTAL	16
SIGNATURE	S	S	SIGNATURE /DATE	S 16.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	16.2.02 ~~am~~/pm*		19.2.2	22.2.2	01/03/02	8.3.02	Distance mm
FEMALE WEIGHT (g)	359	M or F					
PUP WEIGHTS (g)	*18	5.7	M	7.2	7.8	15.3	29.2	2.12
	2	7.3	M	~~7.2~~ 29.4	14.4	29.4	~~29.2~~ 45.3	2.38
	3	7.8	M	11.5	17.3	32.3	49.5	2.03
	4	7.6	M	11.3	17.4	~~26.5~~ 33.4	50.7	3.12
	5	7.2	M	9.8	15.2	30.7	47.9	2.35
	6	6.7	M	8.6	13.1	26.5	40.6	2.05
	7	7.2	F	10.4	15.5	29.0	46.4	1.08
	8	7.3	F	10.5	16.0	31.3	51.0	0.77
	9	6.8	F	9.1	14.3	28.5	45.0	~~0.64~~ 1.25
	10	6.4	F	9.4	14.7	29.6	47.6	0.96
	11	7.5	F	10.7	15.5	30.7	47.3	1.12
	12	7.0	F	10.0	-	-	-	1.15
	13	6.9	F	9.4	13.8	27.8	45.4	0.93
	14	7.4	F	9.9	15.5	30.2	49.1	1.18
	15	7.0	F	9.6	13.5	28.4	43.2	1.07
	16	6.3	F	8.2	11.7	21.7	38.6	0.98
	17							
	18							
	19							
	20							

* marked as 18 M 19.2.2.

(B) M 19.2.2. (B) 01/03/02

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	360

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	12.30	8 30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	11
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	376	M or F					
PUP WEIGHTS (g) 1	6.8	M	9.7	15.3	30.7	48.5	2.26
2	5.8	M	7.8	12.9	26.1	45.5	2.48
3	5.9	M	8.4	12.5	26.6	41.1	2.27
4	6.1	M	9.1	14.8	30.2	49.0	2.54
5	6.7	M	10.0	15.3	31.6	48.2	2.20
6	6.0	M	–	–	–	–	2.35
7	6.0	F	8.2	12.4	25.3	44.0	1.01
8	6.5	F	9.4	14.[illegible]	29.5	46.9	1.02
9	5.8	F	8.8	13.7	29.6	47.9	0.94
10	4.9	F	6.6	10.3	21.6	37.0	0.91
11	6.4	F	9.4	14.6	25.6	43.6	1.05
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	361

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING	STARTED*	FINISHED*	PUPS BORN	
			LIVE	13
			DEAD	0
TIME	4:30	8:30	TOTAL	13
DATE	11.2.02	12.2.02	SIGNATURE /DATE	12.2.02
SIGNATURE				

DAY P.P.	1	4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*	15.2.02	18.2.02	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	329					

PUP WEIGHTS (g)		M or F					
1	6.7	M	9.9	16.2	~~21.8~~ 28.5	46.7	2.59
2	7.4	M	10.5	15.5	29.8	48.1	2.49
3	7.3	M	10.2	15.7	29.4	45.6	2.61
4	6.6	M	9.9	14.7	30.2	44.5	2.59
5	7.4	M	10.7	15.7	30.8	48.1	2.52
6	6.7	M	9.6	13.6	27.7	43.6	2.60
7	7.5	M	10.0	14.9	30.2	46.5	2.60
8	7.3	M	10.8	16.1	31.3	49.9	2.69
9	5.1	F	7.0	9.5	20.8	33.3	0.95
10	6.6	F	9.6	15.1	28.9	44.3	1.03
11	6.8	F	10.1	14.7	29.1	46.8	0.97
12	6.8	F	9.8	14.9	29.7	45.0	0.90
13	6.9	F	10.1	14.9	29.1	45.5	0.77
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	362

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	OVERNIGHT	8.30	DEAD	2
DATE	13-14/2/02	14/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	14/2/02

* 14/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 14/2/02		17.2.02	20.2.02	27/2/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	317	M or F					
PUP WEIGHTS (g) 1	5.8	M	8.4	13.1	27.9	41.1	2.47
2	7.3	M	10.9	16.1	32.0	49.5	2.43
3	7.2	M	10.0	15.5	31.7	50.0	2.43
4	7.5	M	10.7	16.4	31.5	49.1	2.65
5	6.5	M	9.8	15.2	31.5	49.1	2.68
6	7.2	M	10.4	16.4	33.4	49.1	3.00
7	5.7	M	—	—	—	—	2.70
8	6.8	M	10.6	15.8	32.1	48.9	2.72
9	6.9	F	9.8	15.5	30.0	45.7	1.14
10	6.9	F	10.2	15.8	31.1	47.8	1.01
11	6.6	F	8.9	14.5	29.8	44.7	1.12
12	5.4	F	7.6	11.8	25.4	38.4	1.00
13	5.9	M	8.2	13.1	28.7	45.9	2.02
14							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	363

DOSE GROUP:	1
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	14
SIGNATURE		ML	SIGNATURE /DATE	ML 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 ~~am~~/pm#		16.2.02	19.2.02	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	303	M or F					
PUP WEIGHTS (g) 1	6.9	M	9.4	13.6	24.5	37.3	2.67
2	6.7	M	8.8	13.3	22.0	36.6	2.54
3	6.3	M	8.1	12.8	24.1	35.3	2.31
4	6.4	M	9.0	13.8	23.3	38.4	2.54
5	6.4	F	8.6	11.6	25.3	39.1	1.06
6	6.1	F	8.6	12.8	+~~26~~21.2	34.4	1.07
7	6.1	F	8.4	12.9	23.6	37.6	1.19
8	6.2	F	7.7	11.4	22.3	34.5	1.15
9	6.1	F	8.4	11.4	24.1	39.4	0.93
10	6.7	F	9.6	13.6	26.1	41.0	1.18
11	6.5	F	8.5	11.8	23.5	36.6	1.21
12	6.1	F	8.6	12.7	20.3	35.0	1.01
13	6.0	F	8.4	12.9	24.3	39.9	1.34
14	6.5	F	9.1	12.5	22.4	38.2	0.97
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	1
FEMALE NUMBER:	364	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	378	M or F					
PUP WEIGHTS (g) 1	7.9	M	12.2	19.2	35.5	56.6	3.05
2	8.2	M	11.5	17.8	35.6	56.9	2.50
3	8.1	M	12.0	17.7	33.7	54.5	3.00
4	7.1	M	11.0	16.7	33.3	53.9	2.89
5	7.7	M	11.1	17.6	33.6	53.7	2.28
6	7.8	M	11.3	18.3	34.7	57.8	2.71
7	8.0	M	11.7	18.6	36.3	56.9	2.29
8	7.6	F	10.7	16.8	33.2	53.6	1.10
9	7.7	F	11.1	18.2	34.5	53.0	1.09
10	8.0	F	11.9	18.2	34.7	53.0	1.19
11	7.6	F	11.6	17.9	34.8	56.7	0.97
12	7.6	F	10.9	16.8	33.0	53.7	1.22
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18							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	365	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	14
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	~~am~~/pm* 14/2/02		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	342	M or F					
PUP WEIGHTS (g) 1	6.2	M	9.4	14.8	26.5	40.6	2.86
2	7.3	M	10.1	15.0	27.6	43.8	2.65
3	7.2	M	10.0	14.5	28.4	43.6	2.65
4	7.3	M	10.3	15.6	29.5	48.5	2.78
5	7.4	M	10.4	15.1	29.4	43.5	2.58
6	6.7	M	9.0	14.2	28.5	44.2	2.39
7	7.0	M	10.1	14.3	27.5	44.9	2.68
8	7.1	M	9.5	14.1	28.1	44.7	2.54
9	7.4	F	10.2	15.9	27.4	44.3	0.98
10	6.4	F	8.4	13.8	24.4	37.7	0.95
11	7.3	F	9.4	13.9	23.1	38.6	0.98
12	6.9	F	9.6	14.4	27.9	45.5	1.14
13	6.9	F	9.3	14.3	28.2	44.1	1.07
14	6.6	F	9.5	14.7	28.5	43.2	0.96
15							
16							
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18							
19							
20							

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Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 366 found dead.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	367	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4:30	8:30	DEAD	0
DATE	11.2.02	12.2.02	TOTAL	16
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*		15.2.02	9. 18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	340	M or F					

⊖B [illegible] 4.3.02 ⊖B [illegible] 18.2.2. ⊕B 25/02/02

PUP WEIGHTS (g)							
18	6.6	M	9.7	~~13.0~~ 15.1	31.2	47.4	2.83
2	6.7	M	9.4	~~15.1~~ 13.0	27.7	~~47.4~~ 43.4	2.59
3	6.0	M	8.6	11.0	27.5	42.2	2.55
4	6.2	M	9.4	13.8	28.4	43.9	2.87
5	6.7	M	9.7	14.7	30.8	48.0	2.19
6	6.1	M	–	–	–	–	2.21
7	6.7	M	10.0	13.3	20.2	36.1	2.22
8	6.6	M	9.2	13.7	31.4	49.7	2.28
9	6.6	M	7.7	9.3	⊕ ~~28.4~~	–	2.65
10	6.6	F	9.7	13.2	28.8	44.1	0.94
11	6.4	F	10.0	14.1	29.4	45.1	1.01
12	6.2	F	8.8	12.6	28.9	44.5	1.10
13	6.1	F	8.6	12.4	27.2	43.6	1.01
14	6.2	F	8.6	12.6	27.7	46.3	1.09
15	5.9	F	7.3	8.3	–	–	1.00
16	7.1	F	9.4	10.7	23.6	40.3	0.94
17							
18							
19							
20							

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Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	368

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	8.30	12:30	DEAD	0
DATE	13/2/02	13.2.02	TOTAL	17
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 13.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 am/~~pm~~*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	343	M or F					
PUP WEIGHTS (g) 1	7.3	M	10.1	14.6	26.3	42.1	2.39
2	7.7	M	10.0	14.2	26.4	43.3	2.95
3	7.5	M	10.7	13.3	22.5	35.0	2.74
4	6.8	M	9.8	13.8	25.5	45.3	2.75
5	7.4	M	10.5	13.3	24.6	40.4	2.95
6	6.7	M	8.8	12.6	22.7	35.8	2.40
7	6.8	M	10.2	13.4	22.2	33.6	2.76
8	6.0	M	8.2	11.6	19.8	32.4	2.21
9	7.1	M	9.5	13.5	23.7	38.6	2.31
10	7.0	F	9.8	14.4	24.7	41.9	1.20
11	7.0	F	10.5	13.9	23.9	36.2	1.19
12	6.9	F	11.4	15.1	26.8	42.2	1.13
13	7.1	F	9.6	13.6	20.9	36.0	1.15
14	7.3	F	10.0	13.7	25.0	38.9	1.00
15	6.9	F	9.2	12.5	24.7	39.8	1.15
16	7.1	F	10.1	14.7	25.6	42.1	1.04
17	7.0	F	9.1	12.4	19.5	32.5	0.99
18							
19							
20							

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Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

PROJECT NUMBER:	703/256
FEMALE NUMBER:	369

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	overnight	8-30	DEAD	0
DATE	14-15-2-02	15-2-02	TOTAL	17
SIGNATURE	B	B	SIGNATURE /DATE	B 15-2-02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 15/2/02		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	384	M or F					
PUP WEIGHTS (g) 1	7.0	M	9.6	14.4	26.7	38.9	2.44
2	6.2	M	8.6	12.6	23.4	34.2	2.17
3	6.5	M	9.0	11.5	21.5	34.5	2.42
4	6.8	M	9.7	14.4	26.6	38.4	2.42
5	6.4	M	8.8	12.6	22.5	36.8	2.41
6	6.2	M	8.9	12.2	22.0	30.5	2.51
7	6.8	M	9.1	13.3	22.5	35.9	2.31
8	6.4	M	8.6	12.5	22.5	36.2	2.37
9	6.2	F	9.2	13.5	25.3	38.2	1.08
10	6.0	F	8.8	13.1	23.8	35.6	1.07
11	6.1	F	8.2	12.0	22.2	33.8	1.09
12	6.8	F	8.5	12.4	23.2	35.6	0.95
13	6.2	F	8.7	13.3	25.1	38.3	0.98
14	6.0	F	7.8	9.3	16.6	27.6	0.95
15	6.2	F	8.9	13.1	24.9	35.3	1.08
16	5.9	F	8.4	12.5	25.5	38.0	0.99
17	6.4	F	8.4	13.6	26.7	41.5	1.00
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	370	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	Overnight	8.30	DEAD	0
DATE	12 - 13/2/02	13/2/02	TOTAL	16
SIGNATURE	mr	mr	SIGNATURE /DATE	mr 13/2/02

DAY P.P.		1		4	7	14	21	A - G
DATE		13/2/02 am/pm*		16-2-02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)		320	M or F			Ⓑ 26/02/02		
PUP WEIGHTS (g)	1	6.0	M	8.3	11.8	23.8	36.7	2.61
	2	6.6	M	8.0	13.4	23.3	37.4	2.47
	3	6.4	M	8.9	13.4	24.6	37.8	2.19
	4	7.2	M	9.7	13.4	24.9	37.9	2.87
	5	7.3	M	9.6	14.4	26.0	39.9	2.46
	6	6.8	M	8.4	11.9	22.4	35.5	2.19
	7	6.7	M	9.4	12.9	23.1	35.0	2.21
	8	6.1	M	9.0	11.5	20.4	31.1	2.33
	9	6.5	F	9.0	12.9	24.6	37.5	1.04
	10	5.5	F	7.5	9.8	~~24~~ 19.6	26.8	1.18
	11	6.5	F	9.1	13.0	24.4	36.9	1.10
	12	6.4	F	8.9	13.5	23.1	34.6	1.14
	13	6.2	F	8.9	13.6	24.4	35.6	0.95
	14	6.1	F	8.4	11.4	22.4	33.5	1.03
	15	5.7	F	8.6	11.2	21.0	32.9	1.09
	16	6.4	F	8.9	12.0	20.5	32.3	1.18
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	371

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	8.30	12.30	DEAD	0
DATE	13/2/02	13/02/02	TOTAL	16
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 13/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/02/02 am/~~pm~~*		17-2-02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	373	M or F					
PUP WEIGHTS (g) 1	6.2	M	10.8	16.6	29.7	50.0	2-30
2	6.5	M	10.9	16.6	32.4	48.6	2-40
3	5.4	M	10.7	16.6	28.4	47.5	2-58
4	7.7	M	12.5	18.2	32.9	54.2	2-24
5	5.8	M	9.1	13.5	23.6	41.7	2-44
6	7.4	M	11.9	17.4	29.3	49.6	2.45
7	6.8	F	9.4	14.3	27.2	44.0	1-07
8	6.5	F	9.9	15.3	28.1	46.1	1-01
9	6.2	F	9.8	14.3	26.9	~~50.0~~ 42.4	1.02
10	6.4	F	10.1	—	—	—	1.15
11	7.0	F	11.7	17.6	30.7	47.1	1.37
12	5.7	F	10.3	15.4	28.1	44.8	0.97
13	6.4	F	9.2	13.6	23.9	39.9	1.00
14	6.8	F	11.0	16.1	29.5	47.6	1.14
15	6.2	F	10.3	15.6	29.7	47.5	1.15
16	6.3	F	10.0	15.3	27.9	46.2	1.21
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	372	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
[redacted]	STARTED*	FINISHED*	LIVE	17
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	311	M or F					
PUP WEIGHTS (g) 1	5.8	M	8.6	12.3	25.1	39.2	2.53
2	6.1	M	8.5	12.1	25.7	39.6	2.27
3	5.0	M	7.3	10.6	20.2	32.0	2.43
4	6.2	M	8.6	12.3	23.9	35.3	2.58
5	6.4	M	8.1	13.5	24.6	38.5	2.84
6	6.4	M	8.7	13.6	24.8	36.6	2.854
7	6.4	M	8.3	11.9	24.3	38.5	2.38
8	6.2	M	8.7	12.7	24.2	37.9	2.53
9	6.3	M	8.9	13.1	24.7	37.8	2.03
10	6.1	M	7.9	12.0	24.6	44.2	2.71
11	6.0	F	8.6	12.1	24.1	36.8	1.16
12	5.9	F	8.1	11.9	23.1	36.6	0.95
13	5.5	F	8.1	11.8	24.7	36.8	1.12
14	5.6	F	7.9	11.7	22.8	32.8	1.00
15	6.2	F	8.7	12.3	22.9	33.3	1.01
16	6.1	F	8.1	10.8	20.7	34.0	1.14
17	5.4	F	7.5	10.3	23.5	37.4	1.04
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	373	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 ~~am/pm*~~		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	328	M or F					
PUP WEIGHTS (g) 1	6.0	M	8.7	11.8	22.2	34.9	2.45
2	5.6	M	7.7	7.5	–	–	2.12
3	6.7	M	9.1	14.2	26.9	43.7	2.24
4	6.7	M	9.2	13.7	25.2	39.1	2.31
5	6.3	M	8.7	12.5	23.3	35.4	2.37
6	6.5	F	9.1	12.8	23.8	36.1	1.09
7	5.7	F	7.8	11.4	23.8	38.8	1.06
8	6.0	F	7.2	11.5	24.6	37.9	0.98
9	5.7	F	7.6	10.9	23.1	34.5	1.03
10	6.3	F	8.5	11.5	22.4	36.3	1.05
11	6.0	F	7.7	12.1	21.8	35.6	1.08
12	6.0	F	8.4	11.7	25.4	38.7	1.10
13	6.5	F	8.5	12.3	25.3	40.5	0.92
14	6.0	F	8.1	12.1	24.5	36.5	1.05
15	5.9	F	7.2	11.2	22.7	36.1	1.03
16	5.7	F	7.7	10.5	23.2	35.0	1.02
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	374

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING	STARTED*	FINISHED*	PUPS BORN	
TIME	OVERNIGHT	8.30	LIVE	17
DATE	13-14/2/02	14/2/02	DEAD	0
SIGNATURE			TOTAL	17
			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 ~~am~~/pm*		17-2-02	20-2-2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	317	M or F					
PUP WEIGHTS (g) 1	6.0	M	7.7	11.3	21.0	31.4	2.62
2	6.1	M	8.6	12.5	25.2	35.4	2.45
3	6.1	M	8.8	12.2	22.6	32.4	2.43
4	6.6	M	9.0	13.3	25.5	38.1	2.26
5	6.0	M	7.7	10.7	22.8	33.7	2.22
6	5.9	M	8.1	12.4	22.8	32.6	2.16
7	6.2	M	8.1	12.0	22.8	33.7	2.21
8	6.5	M	9.3	13.0	23.2	35.8	2.56
9	6.4	M	8.3	12.9	22.2	31.1	2.44
10	6.6	M	9.1	12.9	23.9	34.4	2.47
11	6.7	M	9.6	16.4	27.7	40.5	2.76
12	5.4	F	7.6	9.9	18.7	29.8	1.01
13	5.8	F	6.9	10.9	21.9	34.0	0.97
14	5.8	F	7.6	11.3	23.2	32.4	0.95
15	5.7	F	8.2	12.0	23.9	35.4	1.12
16	5.9	F	8.3	12.2	24.0	35.2	1.18
17	5.8	F	7.9	12.5	22.8	32.6	1.12
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	375	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm# 15/2/02		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	321	M or F					
PUP WEIGHTS (g) 1	7.0	M	9.9	14.8	27.9	46.1	2.56
2	6.9	M	10.5	15.2	27.9	46.1	2.11
3	6.9	M	9.8	14.2	26.7	45.9	2.38
4	6.7	M	10.2	14.5	28.6	46.4	2.61
5	7.1	M	9.9	14.5	28.8	46.1	2.17
6	6.5	M	9.0	14.0	27.0	44.8	2.41
7	6.7	M	9.1	12.8	24.3	40.4	2.55
8	6.4	M	9.2	14.0	27.2	45.3	2.41
9	6.2	M	9.4	13.7	26.5	42.9	2.85
10	6.4	F	9.4	13.9	27.0	45.5	0.96
11	6.2	F	10.7	12.4	23.8	39.5	0.95
12	6.5	F	8.9	13.8	27.4	45.4	1.18
13	6.2	F	8.6	13.4	26.8	40.8	0.98
14	6.3	F	9.0	14.3	27.5	43.9	1.20
15	6.5	F	–	–	–	–	0.97
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	376

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	12.30	4.30	DEAD	0
DATE	13/02/02	13/02/02	TOTAL	17
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 13/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	314	M or F					
PUP WEIGHTS (g) 1	6.2	M	7.3	16.1	29.8	45.4	2.52
2	6.0	M	6.9	9.7	20.2	32.9	2.41
3	6.1	M	8.4	13.4	28.0	42.7	2.26
4	6.4	M	9.6	14.5	27.7	41.6	2.51
5	5.9	M	8.7	13.4	28.7	40.6	2.65
6	6.4	M	8.9	13.8	26.2	41.9	2.27
7	6.0	M	10.6	11.6	23.2	34.0	2.58
8	6.0	M	9.1	13.6	25.9	39.6	2.41
9	6.4	M	8.7	15.1	~~26.6~~ 25.2 +	39.3	2.71
10	5.7	M	8.8	13.4	26.1	37.9	2.57
11	5.6	F	8.9	12.3	24.0	35.5	1.21
12	6.3	F	7.9	13.9	28.1	40.9	1.09
13	6.0	F	8.2	13.9	25.9	41.6	1.27
14	6.0	F	9.1	13.6	26.6	40.6	1.02
15	5.5	F	~~8.1~~ +	–	–	–	1.04
16	6.1	F	7.1	12.1	26.1	39.9	0.98
17	6.3	F	7.3	14.2	26.5	40.6	1.12
18							
19							
20							

+ (B) 27/02/02 [signature]

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 377 found dead.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	378	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4 30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	316	M or F					
PUP WEIGHTS (g) 1	6.9	M	9.2	14.5	28.7	45.4	2.91
2	6.6	M	9.3	14.2	28.9	45.2	2.57
3	6.3	M	8.8	14.5	25.6	44.1	2.70
4	5.8	M	8.0	12.2	24.8	37.8	2.74
5	6.6	M	8.7	13.5	27.1	45.3	2.22
6	6.5	M	8.9	13.7	25.5	45.9	2.35
7	6.8	M	9.1	13.2	27.7	44.5	2.64
8	6.5	M	8.6	13.8	27.2	43.3	2.75
9	6.3	F	8.6	12.2	28.9	45.1	1.03
10	6.4	F	8.6	13.8	26.1	39.9	1.07
11	7.0	F	9.2	13.1	27.7	45.0	1.11
12	6.4	F	9.0	14.6	28.6	44.1	1.06
13	5.9	F	7.9	12.8	28.1	41.9	1.03
14	6.1	F	8.4	12.7	26.0	43.4	1.06
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17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	379	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	18
SIGNATURE		mr	SIGNATURE /DATE	mr 13/2/02

DAY P.P.		1		4	7	14	21	A - G
DATE		13/2/02 ~~am~~/pm#		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)		326	M or F					
PUP WEIGHTS (g)	1	6.3	M	9.3	14.6	29.9	34.5	2.33
	2	6.3	M	9.0	15.0	29.4	39.9	2.50
	3	6.1	M	8.0	12.0	23.1	35.4	2.43
	4	6.5	M	9.1	14.8	27.5	40.6	2.45
	5	6.1	M	8.9	14.4	27.1	40.0	2.41
	6	6.3	M	8.7	13.6	25.7	40.4	2.76
	7	5.9	M	7.9	12.3	23.7	35.3	2.27
	8	6.0	M	8.9	13.7	27.0	38.2	2.98
	9	6.3	M	9.0	14.5	30.7	43.2	2.58
	10	6.0	F	8.8	13.2	26.6	40.1	1.09
	11	5.9	F	8.3	13.5	23.6	37.4	1.06
	12	5.5	F	7.3	10.7	24.0	36.2	1.06
	13	5.7	F	8.9	12.7	25.8	39.8	0.95
	14	5.4	F	8.3	12.4	22.6	34.1	0.99
	15	5.8	F	8.8	13.1	26.5	38.5	1.04
	16	5.7	F	8.2	11.9	22.3	32.5	1.07
	17	5.4	F	7.4	10.9	19.9	31.6	1.15
	18	5.9	F	8.8	12.9	25.7	40.2	1.08
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	380

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	5
TIME	8.30	12:30	DEAD	0
DATE	13/2/02	13.2.02	TOTAL	5
SIGNATURE	mm	[illegible]	SIGNATURE /DATE	[illegible] 13.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 am/~~pm*~~		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	338	M or F					
PUP WEIGHTS (g) 1	7.4	~~F~~ M+	12.2	20.1	45.8	70.0	2.90
2	8.1	M	13.2	22.4	47.9	72.0	3.00
3	7.6	M	12.2	20.2	45.2	65.7	2.97
4	7.0	F	11.9	19.3	44.0	65.2	1.09
5	7.4	F	12.2	20.3	46.4	67.5	1.02
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20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	381	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	12.30	4.30	DEAD	0
DATE	11/02/02	11/02/02	TOTAL	13
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 11/02/02

DAY P.P.	1	4	7	14	21	A - G
DATE	12/02/02 am/pm#	15-2-02	18-2-2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	314					

			M or F					
PUP WEIGHTS (g)	1	7.6	M	10.2	14.4	28.6	48.7	2.18
	2	7.4	M	10.9	16.1	31.1	48.7	2.36
	3	7.4	M	10.0	14.5	28.6	45.2	2.59
	4	7.7	M	10.6	15.5	29.7	44.7	2.70
	5	7.6	M	10.0	15.4	28.3	44.5	2.92
	6	7.8	M	10.5	15.5	30.1	47.5	2.83
	7	7.7	M	10.4	14.8	30.0	45.7	2.94
	8	7.6	M	10.7	15.1	29.6	47.9	2.79
	9	7.7	M	10.2	14.9	30.4	49.4	3.03
	10	6.7	F	9.0	13.2	26.8	44.0	0.92
	11	7.0	F	8.7	12.9	26.8	41.9	1.11
	12	6.8	F	9.4	14.0	26.6	43.0	1.06
	13	7.0	F	10.3	14.7	30.5	46.2	1.09
	14							
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	382

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING	STARTED*	FINISHED*	PUPS BORN	
TIME	12.30	8.30	LIVE	13
DATE	13/02/02	14/2/02	DEAD	0
SIGNATURE			TOTAL	13
			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	321	M or F					
PUP WEIGHTS (g) 1	8.1	M	12.2	17.6	33.1	55.6	2.49
2	7.4	M	11.0	15.6	30.6	47.5	2.57
3	7.9	M	11.5	17.2	33.2	50.5	2.43
4	6.7	M	9.0	14.6	29.4	45.2	2.70
5	7.2	M	11.0	16.4	30.1	46.4	2.59
6	7.3	M	10.7	16.1	32.3	51.4	2.97
7	7.2	M	10.6	15.9	32.8	50.8	2.51
8	7.0	F	9.7	14.9	30.1	49.4	1.18
9	7.6	F	10.3	15.6	30.2	49.4	1.04
10	6.1	F	8.5	12.9	28.6	43.7	1.11
11	7.0	F	8.9	14.8	28.9	46.2	1.12
12	7.0	F	9.5	15.1	31.1	46.5	1.02
13	6.2	F	9.1	14.2	30.1	48.[illegible]	1.[illegible]4
14							
15							
16							
17							
18							
19							
20							

*(A) 14/02/0[illegible]

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	383	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm#		16-2-02	19-2-2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	310	M or F			+@26/02/02 [illegible]		
PUP WEIGHTS (g) 1	7.5	M	10.3	16.3	32.2	51.9	2.50
2	6.9	M	10.2	15.1	31.4	46.6	2.59
3	6.3	M	6.8	8.5	–	–	2.56
4	7.2	M	10.9	16.5	32.8	51.0	2.27
5	7.0	M	10.5	15.8	31.3	47.2	2.60
6	6.8	M	9.7	15.3	30.4	51.3	2.58
7	6.0	M	8.5	13.3	28.0	46.4	2.27
8	6.9	M	9.5	14.3	29.9	48.6	2.42
9	6.9	M	9.8	15.2	30.7	49.0	2.51
10	6.5	F	10.4	13.4	28.1	42.6	1.02
11	6.4	F	9.6	14.4	28.7	46.0	1.16
12	7.0	F	9.9	15.0	30.1	47.8	1.04
13	6.5	F	9.3	14.9	29.5	46.5	1.12
14	6.8	F	9.9	15.0	30.6	47.2	0.99
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	384	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	13/2/02	13/2/02	TOTAL	14
SIGNATURE		mm	SIGNATURE /DATE	mm 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16-2-02	19-2-02	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	265	M or F					
PUP WEIGHTS (g) 1	6.2	M	8.3	13.3	27.0	41.6	2.59
2	7.0	M	9.8	14.6	29.1	42.9	2.55
3	6.7	M	9.0	13.4	27.6	41.2	2.94
4	6.5	M	9.0	13.9	28.3	44.3	2.89
5	6.2	M	9.0	14.5	29.5	44.4	2.43
6	6.2	F	8.8	16.6	27.4	43.4	1.05
7	5.4	F	7.8	12.4	25.4	37.3	1.17
8	6.2	F	8.9	11.8	25.6	42.6	0.95
9	5.4	F	–	–	–	–	1.18
10	6.2	F	8.5	12.8	26.5	39.6	1.01
11	6.3	F	8.6	12.6	24.7	39.1	1.06
12	6.4	F	8.5	13.3	26.6	42.4	1.17
13	6.5	F	8.6	13.0	27.7	44.5	0.97
14	6.6	F	9.5	14.0	26.3	41.8	1.10
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	385	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	overnight	8.30	DEAD	0
DATE	11/12 2.02	12.2.02	TOTAL	12
SIGNATURE			SIGNATURE /DATE	12.2.02

DAY P.P.		1		4	7	14	21	A - G
DATE		12.2.02 ~~am~~/pm*		15.2.02	18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)		360	M or F					
PUP WEIGHTS (g)	1	6.3	M	9.0	12.6	29.2	45.5	2.59
	2	6.6	M	9.4	13.0	31.0	47.1	2.46
	3	6.8	M	9.4	13.8	31.1	47.6	2.53
	4	6.7	M	9.3	13.3	31.4	45.3	2.60
	5	7.3	M	10.9	15.8	33.2	51.1	2.49
	6	6.8	M	9.1	12.5	29.5	45.5	2.82
	7	6.4	F	8.4	10.1	25.2	41.6	0.99
	8	7.1	F	11.0	15.7	33.3	49.0	1.08
	9	5.8	F	9.5	13.7	29.8	46.0	1.13
	10	6.2	F	8.7	11.8	27.6	43.3	0.94
	11	6.3	F	8.7	12.7	29.5	44.6	0.99
	12	6.0	F	7.9	10.8	27.1	42.8	1.07
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	386

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	25.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	339	M or F					
PUP WEIGHTS (g) 1	6.4	M	7.9	11.2	21.7	31.6	2.18
2	6.6	M	8.1	11.8	26.6	37.2	2.53
3	6.5	M	7.6	11.7	22.3	31.7	2.22
4	6.1	M	8.0	12.1	25.4	36.6	2.44
5	6.8	M	9.1	12.5	26.0	35.7	2.18
6	6.3	M	7.5	11.0	21.9	31.3	2.45
7	6.9	M	9.4	14.2	28.8	40.7	2.60
8	6.4	M	7.9	12.7	25.2	34.2	2.94
9	6.1	M	7.8	11.2	24.6	35.4	2.16
10	6.5	M	8.7	13.0	27.5	41.4	2.81
11	6.2	M	8.3	11.8	20.9	32.2	2.60
12	5.7	F	7.1	10.3	21.4	32.2	0.90
13	5.3	F	6.1	7.5	14.6	24.9	1.11
14	6.0	F	7.5	13.1	25.5	34.4	1.03
15	5.3	F	6.5	8.3	16.7	25.2	1.08
16	5.6	F	7.2	10.9	21.7	33.2	0.96
17	6.2	F	8.2	12.5	25.4	37.6	5.31
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	387	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm#		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	376	M or F					
PUP WEIGHTS (g) 1	4.8	M	—	—	—	—	2.44
2	6.2	M	10.2	15.3	32.9	47.1	2.83
3	7.8	M	11.9	17.9	35.2	55.1	2.26
4	7.0	M	11.5	17.5	34.0	50.8	2.57
5	7.3	M	10.5	16.4	35.0	52.5	2.91
6	7.4	M	10.9	17.4	33.6	47.2	2.96
7	6.8	M	10.6	17.1	35.2	51.9	2.63
8	7.0	F	10.9	16.7	33.8	48.7	0.99
9	6.9	F	11.2	17.2	34.1	50.2	0.93
10	6.4	F	10.1	17.0	33.6	51.1	0.99
11	6.3	F	10.0	14.5	29.9	44.2	1.08
12	7.2	F	10.9	16.4	35.7	50.5	1.13
13	7.0	F	10.1	15.7	32.9	48.0	1.01
14	7.1	F	11.6	16.2	35.1	50.6	0.99
15	7.1	F	10.5	17.5	32.6	50.7	1.00
16	6.4	F	9.8	15.2	~~8~~ 28.4	43.0	0.96
17	6.8	F	10.4	16.3	34.3	50.4	1.6
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	388	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7/3/02	Distance mm
FEMALE WEIGHT (g)	289	M or F					

PUP WEIGHTS (g)								
	1	6.6	M	9.4	13.5	26.9	38.1	2.65
	2	5.4	M	9.5	12.8	28.6	45.3	2.45
	3	6.1	M	8.7	12.7	24.5	37.2	2.00
	4	6.7	M	9.3	12.9	25.8	39.3	2.95
	5	6.0	M	8.3	12.6	24.9	41.4	2.95
	6	6.1	M	8.9	13.4	28.6	45.1	2.90
	7	5.9	F	8.3	12.2	25.6	39.5	1.68
	8	6.2	F	8.6	12.5	26.2	38.6	1.01
	9	6.0	F	8.3	12.5	25.2	38.2	0.97
	10	6.5	F	8.3	11.8	25.6	39.8	1.03
	11	5.9	F	9.2	13.9	27.9	41.9	0.95
	12*	6.7	F	9.1	13.9	27.2	43.[illegible]	1.07
	13	6.1	F	8.7	12.8	25.8	41.2	1.15
	14	6.2	F	8.9	12.8	26.9	42.1	1.11
	15							
	16							
	17							
	18							
	19							
	20							

* Marked on 25 on 18.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	389

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	347	M or F	×(B)M 15.2.02				
PUP WEIGHTS (g) 1	6.6	M	9.7	13.8	29.6	46.3	2.44
2	6.2	M	9.0	14.1	25.8	41.6	2.26
3	5.5	×~~F~~M	6.9	10.0	24.2	35.2	1.94
4	5.7	F	8.0	12.0	24.5	40.4	0.62
5	5.3	F	7.1	10.4	24.8	36.9	0.75
6	5.3	F	7.5	11.4	25.4	40.2	0.85
7	6.0	F	—	—	—	—	0.79
8	5.6	F	7.7	12.3	26.1	43.0	0.89
9	6.1	F	8.2	12.6	26.5	40.5	0.91
10	5.8	F	7.9	12.4	25.4	37.9	0.51
11	6.0	F	8.0	13.0	25.6	41.8	0.97
12	5.8	F	8.1	12.3	24.2	40.2	0.97
13	4.5	F	6.3	12.9	22.2	32.5	0.95
14	6.0	F	8.5	13.3	25.7	42.9	0.90
15	5.3	F	7.6	11.7	25.3	38.7	0.90
16	5.6	F	7.5	11.2	23.8	36.0	0.71
17	6.1	F	8.6	12.9	26.9	40.6	1.03
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	390	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE	[illegible]	mm	SIGNATURE /DATE	mm 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	308	M or F					
PUP WEIGHTS (g) 1	3.2	M	–	–	–	–	1.47
2	5.5	M	7.6	11.5	23.4	38.4	2.84
3	5.5	M	8.4	11.8	25.3	37.6	2.40
4	6.0	M	8.5	13.1	23.9	37.0	2.46
5	6.1	M	8.9	13.8	25.5	39.1	2.48
6	5.9	M	7.6	10.6	23.2	34.3	2.77
7	6.0	M	9.0	13.5	27.3	40.1	2.56
8	5.5	M	8.1	11.9	24.4	37.2	2.84
9	5.8	M	7.9	13.5	26.7	39.4	2.63
10	6.3	M	8.3	12.5	26.2	40.5	2.66
11	5.7	M	8.3	13.6	25.7	40.6	2.91
12	5.7	F	8.0	11.8	23.8	37.8	1.06
13*	6.0	F	8.1	12.2	24.3	35.3	1.02
14	5.8	F	8.1	12.6	25.4	38.1	1.00
15	5.3	F	7.2	11.1	24.2	37.8	1.02
16							
17							
18							
19							
20							

* m. died on 27 M 19.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	2
FEMALE NUMBER:	391	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	8.30	12.30	DEAD	0
DATE	13/2/02	13.2.02	TOTAL	14
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 13.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 .am/~~pm~~#		17.2.02	20.2.02	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	356	M or F			+Ⓑ 27/02/02		
PUP WEIGHTS (g) 1	6.9	M	9.8	16.0	30.4	46.5	2.37
2	6.4	M	9.5	14.6	29.6	42.8	2.46
3	7.1	M	10.4	15.2	31.0	46.7	2.63
4	7.1	M	9.9	15.7	30.7	47.9	2.80
5	7.3	M	10.4	16.0	30.7	44.5	2.54
6	6.6	M	9.6	15.4	29.2	46.9	2.84
7	6.7	M	10.4	15.7	32.5	46.7	2.73
8	6.0	~~M~~ F	9.2	14.4	29.5	44.4	1.08
9	6.7	F	9.8	15.0	28.4	42.4	1.21
10	6.3	F	9.3	14.6	28.6	43.0	1.29
11	6.2	F	9.9	14.2	28.0	42.3	1.11
12	6.4	F	9.7	14.8	~~30.8~~ 28.6	45.5	1.19
13	6.0	F	9.0	12.7	27.5	42.0	1.13
14	6.7	F	10.5	15.7	30.7	46.8	1.01
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	392

DOSE GROUP:	2
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	OVERNIGHT	8.30	DEAD	0
DATE	14-15/2/02	15/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	373	M or F					
PUP WEIGHTS (g) 1	7.2	M	9.8	15.0	30.6	45.8	2.49
2	6.1	M	8.2	16.7	24.0	37.8	2.25
3	6.8	M	9.4	12.7	26.0	40.6	2.31
4	7.2	M	8.8	11.5	26.8	42.4	2.69
5	6.7	M	9.5	13.6	28.1	44.0	2.28
6	6.7	M	9.3	13.2	29.1	44.2	2.31
7	7.1	M	9.4	13.9	31.0	45.6	2.31
8	6.2	F	9.0	13.7	29.7	42.1	0.91
9	6.1	F	8.7	11.2	24.2	39.9	0.92
10	6.5	F	9.1	12.7	26.3	41.0	1.02
11	5.5	F	7.5	10.3	20.3	32.0	1.06
12	6.5	F	9.1	14.0	28.4	44.[illegible]	1.29
13	6.9	F	9.4	14.1	27.6	40.7	1.20
14	6.5	F	8.7	13.3	29.0	42.3	0.92
15	6.7	F	9.3	13.5	27.3	44.2	1.09
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	393

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	13/02/02	13/02/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14.2.02 am/pm#		17.2.02	20.2.2	27/02/02	6.3.2	Distance mm
FEMALE WEIGHT (g)	371	M or F					
PUP WEIGHTS (g) 1	6.2	M	9.9	15.5	29.6	46.3	2.70
2	6.7	M	10.6	15.6	27.9	42.9	2.44
3	6.9	M	10.6	16.6	30.4	46.0	2.73
4	7.0	M	10.9	15.7	30.5	46.7	2.48
5	6.3	M	10.0	15.4	30.4	46.4	2.53
6	5.9	M	8.5	13.6	27.0	43.2	2.73
7	5.5	M	8.0	10.1	20.6	34.5	2.21
8	6.0	F	9.6	14.2	27.8	40.5	0.99
9	6.0	F	9.0	13.6	25.3	39.0	1.18
10	6.1	F	9.3	15.1	27.6	41.9	1.09
11	6.1	F	10.1	16.5	28.8	45.8	1.15
12	5.7	F	9.2	14.0	26.0	39.9	1.09
13	5.9	F	9.0	13.8	26.9	40.1	1.07
14	6.2	F	9.9	13.7	27.9	43.3	1.18
15	6.0	F	9.2	12.8	24.4	37.9	1.19
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	394

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	8.30	12.30	DEAD	0
DATE	16.2.02	16.2.02	TOTAL	17
SIGNATURE	S	S	SIGNATURE /DATE	8162-2

DAY P.P.	1		4	7	14	21	A - G
DATE	17.2.02 am/~~pm~~*		20.2.2	23.2.2	02/03/02	7.3.02	Distance mm
FEMALE WEIGHT (g)	340	M or F					
PUP WEIGHTS (g) 1	7.1	M	11.3	17.4	26.6	41.2	3.15
2	6.7	M	10.0	14.7	27.7	39.1	2.78
3	7.2	M	11.2	16.7	29.3	43.9	2.60
4	6.8	M	11.3	16.0	29.7	42.7	2.34
5	7.2	M	10.5	16.2	27.1	35.8	2.88
6	7.0	M	11.5	14.5	25.9	38.1	2.78
7	6.8	M	9.7	15.2	26.3	38.9	2.73
8	7.3	M	10.1	16.0	27.7	37.3	2.90
9	7.2	M	10.1	16.2	25.4	37.2	2.34
10	7.5	M	9.3	15.8	25.0	33.3	2.47
11	6.7	F	10.5	16.0	30.2	42.8	1.03
12	7.6	F	9.4	14.6	27.7	36.8	1.05
13	6.5	F	10.1	14.5	28.6	40.3	1.07
14	7.1	F	9.7	13.7	27.2	37.8	1.06
15	6.4	F	8.9	13.6	26.2	37.2	0.95
16	6.5	F	11.1	16.5	29.3	39.3	1.07
17	7.0	F	10.6	14.5	26.4	39.0	1.17
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	395	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	8.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	12
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	278	M or F					
PUP WEIGHTS (g) 1	6.9	M	10.2	14.7	31.4	52.4	2.44
2	7.3	M	10.7	15.5	31.6	51.2	2.61
3	6.9	M	10.1	15.2	31.5	50.9	2.58
4	7.0	M	9.8	15.1	30.0	50.3	2.63
5	7.1	M	10.3	16.1	31.6	52.7	2.57
6	7.2	M	10.7	15.8	30.9	52.3	2.22
7	6.4	M	9.7	15.0	30.3	50.0	2.15
8	6.9	M	10.2	14.4	30.4	50.0	2.49
9	7.2	M	10.1	14.9	31.0	50.7	2.53
10	6.7	F	10.3	15.1	31.1	49.1	1.38
11	6.8	F	9.2	13.4	28.2	47.6	1.22
12	6.3	F	9.0	13.9	25.5	46.1	1.12
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	396

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.36	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE		mr	SIGNATURE /DATE	mr 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 ~~am~~/pm*		16.2.02	19.2.02	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	324	M or F					
PUP WEIGHTS (g) 1	5.6	M	8.8	13.0	25.1	38.2	2.72
2	5.9	M	7.6	10.7	22.7	36.2	2.31
3	5.7	M	7.9	13.1	25.5	39.2	2.35
4	5.9	M	8.7	13.3	25.1	39.1	2.33
5	6.1	M	9.2	13.9	25.6	39.6	2.84
6	5.8	M	8.8	13.4	24.9	38.0	2.43
7	5.9	M	8.5	13.1	25.0	38.6	2.15
8	5.9	M	8.6	13.0	24.3	37.6	2.44
9	6.4	M	9.5	14.3	25.9	40.5	2.96
10	6.0	M	8.7	13.5	25.5	41.3	2.79
11	5.5	F	7.5	11.7	23.3	32.1	1.07
12	5.4	F	8.4	12.9	25.5	35.6	1.24
13	5.3	F	7.4	11.1	23.8	37.7	1.03
14	5.8	F	8.6	13.1	25.5	40.1	1.08
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	397	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE	[illegible]	ML	SIGNATURE /DATE	ML 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 ~~am~~/pm#		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	317	M or F				⑬ 5.3.02	
PUP WEIGHTS (g) 1	6.1	M	8.4	12.7	25.8	39.6	2.49
2	6.7	M	9.3	13.5	26.2	40.6	2.49
3	6.1	M	8.1	12.0	22.8	36.1	2.83
4	6.3	M	9.7	12.0	24.6	40.1	2.66
5	6.3	M	9.7	13.3	25.9	40.2	2.74
6	6.0	M	8.3	11.0	22.4	33.0	2.33
7	6.6	M	9.5	13.6	26.6	40.5	2.86
8	6.8	M	9.1	13.2	26.4	37.4	2.92
9	5.8	M	9.6	12.9	25.3	38.8	2.79
10	5.4	F	9.1	11.7	23.6	33.2	1.18
11	5.0	F	6.8	10.2	21.3	30.9	1.17
12	5.9	F	9.6	12.5	23.5	36.6	1.05
13	6.7	F	9.1	13.5	26.9	41.3	1.27
14	6.0	F	8.6	12.0	21.6	34.5	1.02
15	6.2	F	8.7	12.4	23.6	36.5	0.94
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 398 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	399	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 15/2/02		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	300	M or F					
PUP WEIGHTS (g) 1	5.1	M	6.5	9.5	18.8	29.1	2.44
2	6.1	M	7.8	10.5	22.5	33.2	2.97
3	6.1	M	8.3	12.6	25.6	37.0	2.88
4	5.9	M	7.8	11.2	26.0	39.0	2.23
5	5.9	M	8.2	11.3	26.0	37.9	2.24
6	6.1	F	8.1	12.1	24.3	38.0	1.12
7	5.7	F	7.7	11.7	24.1	35.8	1.05
8	4.9	F	6.8	10.0	22.0	32.7	1.07
9	5.2	F	7.0	9.4	20.8	33.1	1.04
10	4.6	F	5.9	7.0	—	—	1.15
11	6.0	F	7.2	10.1	21.0	33.3	1.12
12	5.6	F	6.8	9.9	23.1	33.5	1.04
13	6.1	F	8.7	13.8	27.7	37.9	1.01
14	5.3	F	7.2	11.4	22.5	33.4	0.90
15	5.8	F	7.6	11.3	23.9	37.1	1.17
16	5.8	F	8.3	11.9	24.4	36.8	1.03
17	4.8	F	4.8	7.1	~~22.6~~ —	—	1.12
18							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	400

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4:30	8:30	DEAD	0
DATE	11.2.02	12.2.02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*		15.2.02	18.2.02	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	359	M or F					
PUP WEIGHTS (g) 1	6.5	M	8.5	12.8	27.3	45.1	2.55
2	6.8	M	9.4	14.3	29.4	45.7	2.73
3	6.7	M	9.2	13.6	26.5	46.2	2.55
4	6.1	M	7.8	11.6	14.6	—	2.65
5	6.0	M	8.7	13.3	28.4	44.4	2.58
6	6.6	M	8.2	10.4	21.9	37.8	2.50
7	6.1	M	8.4	12.0	25.0	41.0	2.70
8	5.3	M	7.8	11.6	25.7	42.4	2.65
9	5.9	F	7.7	10.6	21.0	33.6	1.14
10	4.7	F	5.2	—	—	—	0.70
11	5.9	F	7.6	10.6	25.2	40.9	0.97
12	6.2	F	7.8	10.0	21.0	34.2	0.97
13	6.2	F	7.7	11.9	24.6	40.3	1.01
14	6.0	F	8.6	11.0	22.5	35.2	0.97
15	6.2	F	8.5	10.2	23.2	38.8	0.98
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	401	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	overnight	8:30	DEAD	0
DATE	11./12 2.02	12.2.02	TOTAL	12
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

+(P)12/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm#		15.2.02	18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	318	M or F					
PUP WEIGHTS (g) 1	6.8	~~F~~+M	9.9	14.7	27.6	48.6	2.44
2	6.9	M	9.7	13.7	26.9	46.1	2.11
3	6.7	M	9.9	14.5	27.6	44.9	2.23
4	7.7	M	11.1	16.7	29.7	50.2	2.68
5	7.2	M	10.8	14.9	29.3	46.6	2.36
6	7.2	F	10.3	14.7	27.2	46.6	0.91
7	6.3	F	9.3	13.6	26.1	44.4	0.93
8	6.0	F	9.3	14.0	27.6	45.3	0.93
9	6.6	F	9.6	14.3	27.1	43.9	0.98
10	6.5	F	9.9	15.1	28.9	47.0	1.02
11	6.3	F	8.7	12.7	25.9	41.9	1.10
12	6.8	F	9.8	14.3	28.7	47.5	1.00
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	402

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12:30	4:30	DEAD	0
DATE	11.2.02	11.2.02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 11.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 am/pm*		15.2.02	18.2.2	25/02/02	4 3.02	Distance mm
FEMALE WEIGHT (g)	274	M or F					
PUP WEIGHTS (g) 1	6.1	M	8.6	12.9	27.5	39.2	2.23
2	5.7	M	7.6	12.4	23.5	36.1	2.94
3	5.9	M	8 9	12.9	26.9	39.2	2.26
4	6.1	M	8.7	12.7	24.7	36.4	2.10
5	6.0	M	8.4	12.2	22.7	35.7	2.87
6	5.9	M	8.2	12.2	22.0	34.5	2.17
7	5.9	M	7.5	11.5	23.4	36.2	2.49
8	6.1	F	8.8	12.8	24.1	33.5	1.17
9	5.7	F	7.3	11.0	22.9	33.0	1.21
10	5.8	F	7.2	11.3	24.1	36.6	1.01
11	5.3	F	7.2	10.3	24.2	35.8	1.11
12	5.3	F	6.8	9.4	21.8	32.1	1.12
13	5.4	F	7.7	11.8	16.5	27.4	0.99
14	5.7	F	7.1	10.0	20.4	31.6	1.02
15	6.0	F	7.8	11.3	22.0	33.9	1.04
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	403

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	overnight	8:30	DEAD	0
DATE	11/12.2.02	12.2.02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*		15.2.02	18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	421	M or F					
PUP WEIGHTS (g) 1	6.2	M	8.4	11.7	27.9	43.1	2.61
2	6.2	M	8.3	13.3	29.6	43.8	2.47
3	6.3	M	8.7	13.2	28.8	43.3	2.47
4	6.1	M	8.1	12.5	~~26.7~~	41.6	2.50
5	6.4	M	—	—	—	—	2.49
6	6.5	M	8.3	12.6	29.0	43.1	2.37
7	6.2	M	8.3	12.7	28.9	44.1	~~2.26~~
8	5.7	M	8.2	11.9	26.7	41.7	2.72
9	6.3	M	8.6	13.0	28.3	42.0	2.31
10	6.1	M	7.6	11.4	26.5	41.6	2.59
11	5.8	F	7.3	12.8	29.2	41.3	1.24
12	6.0	F	8.4	13.5	28.0	43.6	1.17
13	5.9	F	6.5	8.6	18.0	31.1	0.97
14	6.1	F	7.2	10.7	27.1	41.1	1.07
15	5.9	F	7.8	11.3	26.3	38.8	0.96
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17							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	404

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	OVERNIGHT	8.30	DEAD	0
DATE	14-15/2/02	15/2/02	TOTAL	13
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	291	M or F					
PUP WEIGHTS (g) 1	7.2	M	9.6	14.3	27.6	43.5	2.76
2	6.5	M	9.4	13.1	26.7	43.7	2.28
3	6.5	M	9.1	13.5	26.7	43.5	2.40
4	7.2	M	10.1	15.0	29.1	43.1	2.40
5	6.4	M	9.1	13.9	27.5	42.6	2.43
6	7.0	M	8.7	12.9	26.1	41.1	2.23
7	6.2	F	8.8	13.0	27.0	41.7	1.03
8	6.5	~~M~~ F	8.8	13.0	24.9	39.9	1.20
9	4.9	F	6.5	9.0	19.4	32.3	1.93
10	6.6	F	8.8	11.8	24.8	39.8	1.08
11	6.2	F	8.3	11.8	24.8	39.6	1.03
12	6.3	F	8.3	13.0	23.5	39.0	0.98
13	7.0	F	9.4	13.8	27.1	43.3	0.97
14							
15							
16							
17							
18							
19							
20							

15.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	405	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	~~14~~ 15
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	~~14~~ 15
SIGNATURE	[signature]	[signature]	SIGNATURE /DATE	[signature] 14/2/02

+ (B) 14/02/02 [signature]

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	377	M or F					
PUP WEIGHTS (g) 1	6.4	M	9.5	14.0	26.7	41.4	2.56
2	6.0	M	9.6	15.6	29.2	42.6	2.58
3	6.2	M	8.7	13.7	28.0	43.4	2.68
4	6.1	M	8.9	13.6	24.3	39.4	2.17
5	5.9	M	9.3	11.8	23.2	38.3	2.71
6	5.3	F	8.3	12.3	25.3	42.4	1.02
7	5.8	F	8.4	12.7	24.6	39.2	1.01
8	4.7	F	6.9	9.9	20.9	35.6	1.04
9	5.9	F	9.2	14.0	29.2	45.2	0.99
10	6.0	F	9.4	12.7	23.6	38.0	0.97
11	6.0	F	9.6	14.1	27.4	42.9	0.90
12	6.1	F	9.6	14.2	27.5	45.7	1.16
13	5.7	F	8.2	13.4	25.1	41.7	1.15
14	5.7	F	8.5	12.7	25.5	42.3	1.02
15	5.9	F	8.3	12.4	26.0	39.3	1.12
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	406

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	18
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	347	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.0	10.7	23.2	34.3	2.89
2	6.3	M	8.5	11.6	21.3	30.9	2.78
3	6.8	M	9.5	12.6	24.8	40.3	2.44
4	6.8	M	9.3	12.1	23.0	35.5	2.86
5	6.2	M	8.6	11.5	19.3	28.2	2.88
6	6.6	M	9.1	12.3	23.0	33.2	2.25
7	7.0	M	9.9	14.4	26.1	40.7	2.30
8	6.6	M	9.8	13.2	24.2	36.2	2.35
9	6.7	M	8.8	12.4	24.2	35.8	2.35
10	6.5	M	8.2	11.5	22.7	33.0	2.67
11	5.9	M	7.5	10.3	21.1	29.9	2.72
12	6.2	F	8.4	~~11.0~~ 10.6	~~24.4~~ 22.0	~~35.8~~ 33.1	1.02
13	6.9	F	9.0	13.0	24.4	35.8	1.07
14	6.2	F	8.7	12.5	22.7	32.9	1.08
15	5.5	F	7.3	10.6	22.3	34.6	1.05
16	5.8	F	–	–	–	–	1.22
17	5.9	F	8.3	11.8	25.7	36.9	0.97
18	6.4	F	8.1	10.7	19.4	27.6	1.02
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	407	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	342	M or F		x(B) 20.2.2			
PUP WEIGHTS (g) 1	6.3	M	8.2	13.2	25.7	37.1	2.64
2	5.9	M	7.6	11.8	23.0	33.7	2.54
3	5.9	M	8.6	~~11.7~~ 13.0	26.3	36.1	2.62
4	5.7	M	7.9	11.8	25.1	39.2	2.45
5	6.0	M	8.0	13.4	25.6	37.0	2.20
6	5.4	M	7.5	12.5	25.4	34.7	2.54
7	6.0	M	8.0	11.5	25.1	36.4	2.22
8	5.6	M	7.9	12.1	25.9	34.6	2.78
9	5.6	M	7.4	11.0	23.7	35.6	2.56
10	6.0	F	7.9	13.2	24.9	35.9	1.12
11	5.5	F	7.6	12.8	23.5	34.6	0.85
12	5.4	F	7.4	11.7	23.4	36.8	1.20
13	5.7	F	7.7	11.7	26.6	38.6	1.05
14	5.9	F	7.3	9.1	22.4	32.2	0.94
15	5.4	F	6.8	10.7	23.1	34.1	0.97
16	5.9	F	6.2	10.8	24.7	36.4	1.05
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	408

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	18
TIME	OVERN. GHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	18.
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	14/2/02 am/pm*	17.2.02	20.2.02	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	314					

			M or F					
PUP WEIGHTS (g)	1	6.6	M	4.4	14.2	27.9	41.1	2.38
	2	6.6	M	5.9	13.7	23.9	36.8	2.24
	3	6.8	M	5.9	13.2	24.9	38.1	2.70
	4	5.2	M	5.1	11.0	22.9	34.8	2.31
	5	6.9	M	5.9	12.7	23.8	37.1	2.39
	6	5.8	M	7.6	10.3	19.6	29.5	2.24
	7	4.4	F	–	–	–	–	0.90
	8	6.2	F	5.7	12.0	24.4	35.0	1.12
	9	5.6	F	7.7	11.2	20.6	35.0	0.99
	10	6.5	F	5.5	11.8	22.2	33.9	0.92
	11	6.5	F	5.5	12.6	24.2	36.9	1.07
	12	4.8	F	5.9	8.3	18.9	27.5	1.17
	13	6.2	F	8.5	12.8	23.9	35.8	0.99
	14	6.4	F	8.5	13.0	22.9	34.4	0.97
	15	6.2	F	5.3	12.1	22.2	34.2	0.98
	16	6.7	F	7.7	11.9	22.7	35.0	1.02
	17	5.9	F	5.2	12.3	23.5	36.1	0.94
	18	6.1	F	8.6	11.7	23.2	35.3	0.97
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	409	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	14
SIGNATURE	[signature]	mn	SIGNATURE /DATE	mn 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 ~~am~~/pm#		16-2-02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	264	M or F			+ (B) 26/02/02		×(B) 13.2.2
PUP WEIGHTS (g) 1	7.0	m	9-6	14-4	25.5	40.0	2.55
2	6.6	m	8.9	14.1	26.3	39.7	2.22
3	6.4	m	9-2	13.9	26.2	39.5	2.44
4	6.4	m	9.7	14.3	~~26.3~~ 28.73	41.0	2.28
5	6.5	m	9.1	13.2	26.3	42.3	2.97
6	6.4	F	8.8	12.5	23.1	33.9	0.99
7	5.7	F	8.1	12.6	22.2	36.2	1.21
8	5.4	F	8.2	13.1	25.3	38.6	1.21
9	5.6	F	7.7	11.7	23.2	36.7	1.02
10	6.1	F	8.1	12.4	24.2	39.7	1.20
11	6.2	F	8.9	13.4	24.1	37.9	1.05
12	5.9	F	8.0	11.8	24.0	36.8	1.06
13	5.7	F	8.0	12.8	23.6	36.8	1.09
14	6.0	F	8.7	13.0	23.8	37.1	1.11
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

Animal number 410 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	411	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	8.30	12.30	DEAD	0
DATE	13/2/02	13/02/02	TOTAL	13
SIGNATURE	ML	[illegible]	SIGNATURE /DATE	[illegible] 13/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/02/02 am/~~pm~~*		17.2.02	20.2.2	27/02/02	6.3.02	Distance mm
FEMALE WEIGHT (g)	306	M or F					
PUP WEIGHTS (g) 1	7.0	M	10.5	14.6	28.8	47.4	2.66
2	7.6	M	11.5	16.0	31.2	50.2	2.52
3	7.3	M	10.9	15.5	29.0	48.5	2.67
4	7.7	M	11.9	16.4	31.5	51.2	2.97
5	7.4	M	10.7	15.5	28.5	49.9	2.93
6	7.1	F	10.8	15.3	29.4	50.6	1.10
7	7.8	F	11.3	16.3	29.7	50.1	1.11
8	7.8	F	11.0	16.2	30.1	51.3	1.16
9	7.6	F	11.6	16.0	28.8	48.7	1.24
10	6.6	F	10.1	14.7	28.7	46.2	1.03
11	6.7	F	10.3	15.2	28.3	46.0	1.02
12	7.8	F	11.5	16.0	30.7	51.8	1.19
13	6.7	F	10.3	15.0	28.6	47.6	1.25
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	412

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
[redacted]	STARTED*	FINISHED*	LIVE	14
TIME	4:30	4:30	DEAD	0
DATE	11.2.02	11.2.02	TOTAL	14
SIGNATURE	[redacted]	[redacted]	SIGNATURE /DATE	[redacted] 11.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 am/pm*		15.2.02	18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	340	M or F					
PUP WEIGHTS (g) 1	6.8	M	10.1	14.6	28.8	43.1	2.40
2	6.5	M	8.5	13.8	31.1	46.5	2.04
3	6.8	M	10.0	14.2	29.9	45.2	2.34
4	6.6	M	10.5	14.8	30.6	46.5	2.28
5	6.7	M	10.1	14.3	28.7	43.7	2.05
6	5.9	M	8.9	12.5	28.6	45.7	2.15
7	6.5	M	9.7	14.7	29.4	43.5	2.18
8	6.7	M	10.2	14.4	27.8	46.6	2.05
9	6.7	M	9.6	14.7	29.4	48.5	2.19
10	6.6	F	10.1	13.8	29.0	46.3	1.11
11	6.2	F	10.0	14.3	28.5	44.3	1.14
12	6.5	F	10.7	15.0	31.5	46.2	1.05
13	6.0	F	8.7	12.1	25.7	42.0	1.01
14	6.5	F	8.9	14.0	27.9	44.7	1.07
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	413	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	336	M or F					
PUP WEIGHTS (g) 1	7.1	M	9.8	14.9	29.6	47.1	3.01
2	7.2	M	9.9	15.3	28.9	45.4	2.52
3	6.7	M	9.1	13.5	28.6	43.8	2.81
4	6.5	M	9.3	13.3	28.3	44.3	2.30
5	6.3	M	8.7	13.2	28.1	44.7	2.24
6	6.6	M	7.4	–	–	–	2.01
7	6.3	F	9.5	14.9	30.0	45.2	1.09
8	6.4	F	8.8	14.3	29.2	45.0	1.10
9	6.8	F	9.5	13.8	27.8	41.1	1.06
10	5.7	F	7.2	10.8	26.1	39.6	0.97
11	6.6	F	8.9	13.4	28.8	42.9	0.83
12	5.7	F	7.8	12.5	26.8	41.0	1.20
13	6.3	F	8.5	13.2	27.3	41.1	1.06
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	414

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING	STARTED*	FINISHED*	PUPS BORN	
TIME	4.30	8.30	LIVE	18
DATE	13/2/02	13/2/02	DEAD	0
SIGNATURE		ML	TOTAL	18
			SIGNATURE /DATE	ML 13/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	13/2/02 am/pm*	16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	349					

PUP WEIGHTS (g)	M or F						
1	6.2	M	7.8	11.9	25.6	41.3	2.32
2	5.9	M	~~6.7~~ 7.1	12.1	25.1	~~22.0~~ 35.2	2.44
3	6.3	M	9.7	12.5	22.5	36.3	2.24
24*	6.5	M	7.9	11.7	21.5	34.4	2.53
98*	6.5	M	6.2	11.5	25.1	41.9	2.51
6	6.5	M	9.7	11.9	25.5	38.4	2.74
7	6.1	M	9.7	12.6	25.5	40.7	2.51
8	6.0	M	9.6	12.3	25.1	38.0	2.65
259*	6.5	M	8.4	~~11.5~~ 13.5	19.3	27.3	2.42
10	6.9	M	9.3	13.7	27.2	40.1	2.41
11	5.7	F	7.7	10.0	21.7	33.7	1.20
12	6.5	F	9.2	12.6	26.0	38.3	1.26
13	5.9	F	9.5	12.6	24.4	37.5	1.24
14	6.4	F	9.4	12.0	23.8	36.4	1.10
15	5.8	F	7.9	11.4	22.4	34.2	1.06
16	6.4	F	9.3	13.3	26.0	39.0	1.10
17	6.0	F	7.9	12.6	25.3	37.3	1.27
18	5.9	F	7.2	9.0	13.6	22.0	1.06
19							
20							

* marked as 24 on 19.2.2 marked as 9 16/02/02

* marked as 25 on 19.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	415	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	Overnight	8.30	DEAD	0
DATE	12 - 13/2/02	13/2/02	TOTAL	15
SIGNATURE	ML	ML	SIGNATURE /DATE	ML 13/2/02

DAY P.P.		1		4	7	14	21	A - G
DATE		13/2/02 ~~am~~/pm*		16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)		338	M or F		+ @ 26/02/02			
PUP WEIGHTS (g)	1	6.4	M	8.2	11.5	22.8	36.4	2.41
	2	6.5	M	8.8	13.7	~~22.9~~ 28.2 +	42.5	2.90
	3	6.4	M	9.1	13.4	27.1	43.1	2.31
	4	7.2	M	9.4	14.1	28.2	43.0	2.90
	5	6.7	M	9.4	14.2	28.1	42.8	2.51
	6	7.0	M	9.5	14.2	24.8	38.8	2.42
	7	6.7	M	9.3	14.2	27.1	46.2	2.43
	8	6.4	M	8.6	13.4	28.6	42.2	2.25
	9	6.3	F	8.3	12.2	25.4	42.5	1.11
	10	6.5	F	8.5	13.6	28.0	42.3	1.24
	11	6.3	F	8.1	13.0	27.5	44.7	1.12
	12	6.6	F	8.8	12.8	25.3	40.6	0.94
	13	6.4	F	8.1	12.6	~~25.3~~ 26.6 +	39.7	0.89
	14	5.78	F	8.1	11.6	24.2	40.9	1.11
	15	6.3	F	7.9	12.2	25.2	39.7	1.21
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	416

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING	STARTED*	FINISHED*	PUPS BORN	
TIME	8:30	12.30	LIVE	13 5
DATE	12-2-02	12/2/02	DEAD	0
SIGNATURE	[illegible]	[illegible]	TOTAL	13 5
			SIGNATURE /DATE	[illegible] 12/2/02 ⊕ 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16-2-02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	309	M or F					
PUP WEIGHTS (g) 1	6.6	M	8.8	12.2	23.6	32.1	2.54
2	6.0	M	8.1	11.1	22.8	36.2	2.97
3	7.3	M	9.2	14.8	26.7	42.1	2.79
4	6.1	M	6.9	9.6	22.3	34.6	2.52
5	6.6	M	8.9	12.6	26.9	41.7	2.98
6	6.7	F	9.0	13.5	24.4	39.2	1.01
7	6.8	F	8.9	12.8	23.7	38.0	1.22
8	7.0	F	9.4	13.8	25.3	42.2	1.10
9	6.9	F	8.9	12.7	24.6	38.4	1.08
10	7.1	F	9.6	13.9	25.1	41.1	1.07
11	6.4	F	8.4	11.2	21.8	33.3	1.01
12	6.8	F	8.9	12.7	23.1	35.9	1.04
13	6.4	F	8.6	11.9	24.6	36.6	1.13
14	6.4	F	8.0	11.3	23.9	38.7	1.20
15	6.3	F	8.6	12.1	23.1	36.0	0.97
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	417

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
[redacted]	STARTED*	FINISHED*	LIVE	13
TIME	4:30	8:30	DEAD	0
DATE	11-2-02	12-2-02	TOTAL	13
SIGNATURE	[redacted]	[redacted]	SIGNATURE /DATE	[redacted] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2-02 ~~am~~/pm*		15-2-02	18-2-2	25/02/02	4 3 02	Distance mm
FEMALE WEIGHT (g)	322	M or F			*@25/02/02		
PUP WEIGHTS (g) 1	6.5	M	8.7	11.7	25.5	41.7	2.66
2	6.4	M	9.0	11.5	25.6	40.1	2.26
3	6.4	M	7.6	11.5	24.4	38.9	2.05
4	5.2	M	6.1	9.1	19.7	32.5	2.46
5	6.8	M	9.3	13.6	27.3	41.2	2.85
6	6.6	M	9.0	13.0	24.9	41.4	2.20
7	6.3	M	9.2	13.3	26.5	40.5	2.51
8	5.9	F	8.5	12.1	22.4	36.9	0.97
9	5.9	F	8.6	11.9	23.1	40.1	1.08
10	5.6	F	7.8	11.2	21.9	33.8	1.01
11	5.9	F	6.9	10.1	20.1	30.4	1.09
12	5.7	F	8.3	12.1	24.3	37.1	1.08
13	6.2	F	8.7	12.7	26.5	39.8	1.04
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	418

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	overnight	8.30	DEAD	0
DATE	11/12 2.02	12.2.02	TOTAL	15
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*		15.2.02	18.2.2	25/02/02	4 3.02	Distance mm
FEMALE WEIGHT (g)	309	M or F					
PUP WEIGHTS (g) 1	5.9	M	8.6	13.0	27.1	40.5	2.41
2	6.1	M	8.7	14.6	30.1	46.5	2.32
3	7.4	M	10.1	15.7	29.2	44.9	2.23
4	6.9	M	10.3	16.1	30.4	45.7	2.59
5	5.8	F	7.7	12.1	26.6	41.2	1.12
6	6.2	F	9.5	14.5	26.5	43.5	1.00
7	6.4	F	—	—	—	—	1.10
8	6.4	F	10.0	15.8	30.5	48.7	1.08
9	5.9	F	8.5	14.0	29.1	44.6	1.00
10	6.6	F	8.9	14.2	26.2	40.8	0.93
11	6.2	F	8.4	12.9	27.6	42.0	0.95
12	6.6	F	8.3	10.5	24.6	39.8	1.03
13	6.2	F	8.6	10.8	23.1	38.8	1.10
14	5.9	F	8.0	13.6	28.4	42.3	1.04
15	6.3	F	8.3	13.5	25.9	41.4	0.94
16							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	419

DOSE GROUP:	3
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	14/2/02 am/pm*	17-2-02	20.2.2	27/02/02	6 3.2	Distance mm
FEMALE WEIGHT (g)	311					

			M or F					
PUP WEIGHTS (g)	1	6-7	M	8.9	13.7	28.2	45.9	2.23
	2	6.8	M	8.7	13.5	26.8	44.8	2.26
	3	6.3	M	9.0	13.5		41.7	2.31
	4	6.4	M	8.7	13.6	26.9	43.5	2.31
	5	6.3	M	8.4	13.2	24.8	43.7	2.24
	6	6.0	M	8.0	12.1	26.1	41.0	2.31
	7	5.5	M	7.1	–	–	–	2.27
	8	6.3	M	9.4	14.6	28.8	45.2	2.55
	9	6.6	F	8.1	12.4	24.5	42.0	0.96
	10	6.0	F	8.3	12.6	24.8	42.8	1.06
	11	6.0	F	7.7	12.2	25.4	40.5	1.10
	12	5.9	F	7.9	12.0	24.4	39.6	0.96
	13	5.6	F	4.1	–	–	–	1.20
	14	5.6	F	6.9	9.0	21.9	36.1	1.17
	15	6.4	~~F~~ M	8.7	12.8	25.7	44.9	2.29
	16							
	17							
	18							
	19							
	20				13.4	26.7		

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	3
FEMALE NUMBER:	420	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	12/2/02	13/2/02	TOTAL	15
SIGNATURE		MM	SIGNATURE /DATE	MM 13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16-2-02	19-2-02	26/02/02	5-3-02	Distance mm
FEMALE WEIGHT (g)	368	M or F					

*@26/02/02

PUP WEIGHTS (g)								
	1	6.5	M	8.9	13.9	23.9	36.4	2.93
	2	7.0	M	10.7	16.0	31.3	46.7	2.53
	3	6.7	M	9.2	13.8	26.1	41.8	2.57
	4	6.5	M	9.1	14.7	26.4	40.9	2.75
	5	6.5	M	8.6	14.6	28.5	45.8	2.86
	6	6.4	F	9.2	13.6	26.2	42.3	1.09
	7	6.8	F	9.7	16.1	29.5	45.2	1.09
	8	6.4	F	8.9	12.0	25.1	40.5	0.95
	9	5.7	F	9.7	11.9	26.4	38.0	1.10
	10	6.7	F	10.3	15.6	26.1	43.0	1.13
	11	6.6	F	8.2	11.6	23.1	36.6	1.03
	12	6.5	F	8.9	13.6	25.8	38.9	1.04
	13	6.4	F	8.8	13.5	25.2	41.5	1.18
	14	6.2	F	9.0	12.9	26.1	40.7	1.00
	15	6.4	F	9.9	14.3	25.2	40.0	1.04
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	421	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	17
TIME	8.30	17.30	DEAD	1
DATE	13/2/02	13/02/02	TOTAL	18
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 13/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/02/02 am/pm#		17.2.02	20.2.2	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)	462	M or F					
PUP WEIGHTS (g) 1	6.7	M	10.1	14.2	29.3	47.9	2.81
2	6.0	M	7.9	13.9	24.1	36.7	2.41
3	6.6	M	9.7	16.1	31.4	45.9	2.77
4	6.3	M	9.2	12.5	25.7	43.5	2.71
5	6.5	M	6.6	15.1	23.2	41.0	2.51
6	6.6	M	9.9	13.9	25.4	44.6	2.23
7	6.3	M	8.6	12.5	22.9	36.0	2.69
8	5.5	M	11.4	11.2	22.5	36.1	2.47
9	6.0	F	~~8.8~~ X	–	–	–	1.22
10	6.1	F	9.1	13.0	26.6	41.1	1.08
11	6.4	F	9.0	12.0	~~24~~ 22.0	35.5	1.03
12	6.9	F	9.2	13.5	18.8	29.8	1.07
13	6.0	F	8.5	12.7	25.6	41.0	1.02
14	6.6	F	9.4	14.0	25.3	38.1	1.00
15	6.0	F	8.9	12.3	24.8	37.7	1.06
16	6.3	F	12.5	11.9	–	–	1.15
17	6.2	F	8.6	13.9	24.6	39.4	1.03
18							
19							
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	422	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
[redacted]	STARTED*	FINISHED*	LIVE	11
TIME	4:30	4:30	DEAD	0
DATE	11-2-02	11-2-02	TOTAL	11
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 11-2-02

DAY P.P.	1		4	7	14	21	A - G
DATE	12-2-02 am/pm#		15-2-02	18-2-2	25/02/02	4-3-02	Distance mm
FEMALE WEIGHT (g)	259	M or F					
PUP WEIGHTS (g) 1	6.0	M	8.6	12.8	24.9	38.9	1.52
2	6.5	M	9.2	13.5	24.6	42.9	2.16
3	6.5	M	9.4	14.0	26.1	41.4	1.86
4	5.6	F	8.0	11.6	~~24.3~~	37.6	0.91
5	6.2	F	9.4	13.1	26.0	41.1	0.84
6	6.2	F	8.3	12.2	23.9	37.4	0.96
7	6.3	F	9.5	13.2	24.7	40.9	0.76
8	6.4	F	9.1	13.0	24.3	38.9	0.79
9	6.5	F	9.5	13.6	25.7	42.5	0.82
10	5.9	F	8.6	12.3	24.0	36.5	0.87
11	6.8	F	9.8	14.3	25.3	40.4	0.87
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	423	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	overnight	8:30	DEAD	0
DATE	17/18.2.02	18.2.02	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 18.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	18.2.02 ~~am~~/pm*		21.2.2	24.2.2	03/03/02	10.3.02	Distance mm
FEMALE WEIGHT (g)	316	M or F					(A) 18/02/02
PUP WEIGHTS (g) 1	5.4	M	5.9	9.0	23.8	41.0	2.21
2	5.5	M	–	–	–	–	2.11
3	4.8	M	–	–	–	–	2.17
4	5.2	M	5.5	8.9	24.8	39.8	2.31
5	4.9	M	–	–	–	–	2.18
6	5.5	M	4.2	–	–	–	1.75
7	5.1	M	6.0	9.1	25.3	43.6	2.36
8	5.8	M	6.6	10.9	27.8	44.2	2.15
9	4.7	F	–	–	–	–	1.01
10	3.6	F	–	–	–	–	0.91
11	5.7	F	4.2	5.7	16.2	29.3	0.93
12	5.2	F	–	–	–	–	1.08
13	4.7	F	–	–	–	–	1.02
14	5.0	F	–	–	–	–	0.87
15							
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19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	424

DOSE GROUP:	4
GENERATION:	F_1–F_2

	LITTERING		PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4:30	4:30	DEAD	0
DATE	11-2-02	11-2-02	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 11.2.02

DAY P.P.	1	4	7	14	21	A - G
DATE	12-2-02 am/pm#	15.2.02	18-2-2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	375					

PUP WEIGHTS (g)		M or F					
1	6.9	M	10.3	15.5	31.5	48.4	2.07
2	6.8	M	10.1	15.6	31.0	47.9	2.44
3	6.1	M	7.0	–	–	–	2.27
4	6.8	M	10.0	15.5	30.2	43.2	2.36
5	4.8	M	6.7	10.5	31.6	46.3	2.50
6	7.0	F	10.9	16.3	24.6	48.2	1.03
7	6.9	F	10.2	15.4	27.2	43.3	1.24
8	6.5	F	~~9.9~~ 9.9+	15.6	25.0	43.1	1.17
9	6.8	F	9.4	14.2	25.0	43.6	1.18
10	7.1	F	10.7	16.0	30.6	45.5	1.01
11	6.2	F	9.0	13.7	27.7	39.7	0.98
12	6.7	F	10.2	15.3	28.7	43.8	1.12
13	6.1	F	8.8	13.4	27.6	41.7	1.21
14	6.4	F	9.1	13.4	26.7	44.5	1.02
15							
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19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	425	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	13
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.		1		4	7	14	21	A - G
DATE		14/2/02 ~~am~~/pm*		2-02	20-2-2	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)		292	M or F					
PUP WEIGHTS (g)	1	6.3	M	9.2	13.9	28.8	45.5	2.47
	2	5.7	M	7.8	11.6	23.7	38.6	2.23
	3	6.2	M	8.4	12.9	26.0	40.3	2.15
	4	6.7	M	9.2	13.9	28.8	45.2	2.43
	5	6.5	M	9.4	13.5	27.1	44.4	2.42
	6	6.5	M	8.8	13.5	27.8	42.5	2.72
	7	6.7	M	9.6	14.6	25.1	43.3	2.10
	8	6.0	M	8.9	12.9	26.2	39.5	2.79
	9	6.0	M	9.1	13.4	25.5	41.4	2.60
	10	6.4	M	8.8	13.1	26.3	41.4	2.28
	11	6.1	F	8.8	13.4	26.8	42.0	1.63
	12	6.0	F	9.1	13.1	26.0	42.0	1.02
	13	6.0	F	8.7	12.5	24.7	39.3	1.05
	14							
	15							
	16							
	17							
	18							
	19							
	20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	426	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	12-30	4.30	DEAD	0
DATE	14.2-02	14/2/02	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	25.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	343	M or F					
PUP WEIGHTS (g) 1	6.9	m	6.6	6.5	–	–	3.42
2	7.5	m	10.6	14.5	30.1	49.5	3.25
3	8.2	m	10.6	15.4	30.5	51.2	2.80
4	6.9	m	9.5	14.3	30.2	48.7	2.52
5	7.5	m	10.7	16.1	32.5	55.0	3.16
6	7.7	m	10.9	15.5	31.5	50.7	2.80
7	6.5	m	9.8	14.7	29.6	47.9	2.84
8	7.0	F	9.9	14.5	30.6	48.8	1.04
9	7.6	F	10.4	14.9	30.6	51.7	1.06
10	7.9	F	10.2	14.3	35.6	49.9	1.07
11	7.2	F	10.6	15.2	30.3	48.9	0.99
12	7.8	F	11.2	15.7	31.9	53.3	1.03
13	7.3	F	10.6	15.5	31.5	52.7	1.15
14							
15							
16							
17							
18							
19							
20							

KB 15.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	427

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15.2.02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	15.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 ~~am~~/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	315	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.4	13.0	26.7	42.2	2.28
2	6.0	M	7.8	12.3	25.5	39.2	1.95
3	6.6	M	9.2	13.8	26.2	41.5	2.13
4	5.5	M	—	—	—	—	2.03
5	6.5	M	8.6	11.9	25.9	42.2	2.40
6	6.5	M	9.2	12.9	27.3	39.0	2.42
7	6.5	M	8.6	13.9	24.9	38.5	2.47
8	6.1	F	8.5	12.3	24.4	40.2	0.97
9	5.8	F	8.3	13.3	26.6	40.6	1.13
10	5.8	F	8.0	11.2	22.5	34.9	0.96
11	5.9	F	8.1	12.1	25.4	36.0	1.13
12	6.1	F	8.6	14.2	28.4	44.4	1.02
13	5.9	F	7.8	12.5	25.9	40.8	1.15
14	6.1	F	8.1	12.0	26.1	38.3	1.03
15	6.4	F	8.6	14.0	~~21~~ 25.1	37.6	0.95
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	428

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15.2.02	TOTAL	12
SIGNATURE			SIGNATURE /DATE	15.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 15/2/02		18.2.2	21.2.2	25.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	312	M or F					
PUP WEIGHTS (g) 1	7.6	M	10.7	16.2	31.5	51.3	2.72
2	7.1	M	10.0	15.4	31.3	48.6	2.36
3	7.4	M	10.4	16.0	30.9	51.3	2.90
4	7.3	M	10.4	15.8	30.6	49.0	2.45
5	7.9	M	10.8	16.5	31.7	48.4	2.55
6	6.9	F	9.8	15.2	30.5	48.0	1.05
7	6.3	F	9.3	14.4	29.4	46.5	1.08
8	6.8	F	10.0	15.0	30.4	47.6	1.03
9	5.7	F	8.2	12.6	27.4	40.3	0.95
10	7.2	F	9.9	15.7	30.4	47.4	1.18
11	6.8	F	9.8	14.8	29.0	47.3	1.11
12	6.4	F	9.5	14.6	30.4	48.7	1.09
13							
14							
15							
16							
17							
18							
19							
20							2.60

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	429	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	8:30	12.30	DEAD	0
DATE	12.2.02	12/2/02	TOTAL	13
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	13/2/02 am/pm*	16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	332					

PUP WEIGHTS (g)		M or F					
1	7.3	M	10.1	14.9	28.7	46.6	2.69
2	7.1	M	10.4	15.6	28.8	45.9	2.82
3	7.8	M	11.0	15.9	30.0	47.7	2.94
4	6.9	M	10.2	15.4	28.1	45.4	2.39
5	7.3	M	10.3	15.7	29.8	47.6	2.44
6	6.4	M	9.5	14.3	26.4	43.7	2.50
7	7.0	M	10.5	15.1	26.9	45.2	2.53
8	6.5	F	9.3	13.5	27.1	44.8	1.10
9	6.2	F	9.5	14.9	28.2	45.5	1.03
10	6.4	F	9.7	15.0	27.9	46.7	1.14
11	6.9	F	10.3	14.5	26.6	44.6	1.20
12	6.8	F	10.1	15.0	27.6	47.8	1.08
13							
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	430

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	4.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	11
SIGNATURE			SIGNATURE /DATE	13/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17-2-02	20-2-2	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)	297	M or F					
PUP WEIGHTS (g) 1	7.7	M	10.5	15.6	31.2	52.2	2.30
2	8.0	M	11.1	16.4	31.2	51.1	2.30
3	8.1	M	10.5	16.0	31.8	50.9	3.05
4	7.6	M	10.5	15.3	29.9	48.9	2.81
5	7.5	M	11.1	15.6	31.3	52.1	3.18
6	7.4	F	10.4	16.0	32.2	47.5	1.20
7	7.5	F	9.8	14.8	28.5	45.8	1.37
8	7.0	F	10.3	15.0	30.4	49.1	1.20
9	7.8	F	10.1	16.9	32.2	54.3	1.24
10	6.7	F	10.0	14.4	–	–	1.00
11	7.6	F	10.4	15.4	31.6	48.5	1.07
12							
13							
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	431

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	12
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	12
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 ~~am/pm*~~		18.2.2	21.2.02	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	319	M or F					
PUP WEIGHTS (g) 1	7.4	M	9.6	13.9	28.2	46.2	2.68
2	7.0	M	9.5	15.3	29.0	46.2	2.23
3	7.3	M	9.8	14.9	30.2	44.1	2.50
4	6.2	M	8.9	13.3	28.0	43.3	2.35
5	7.3	M	9.9	14.4	28.8	44.2	2.31
6	6.4	F	8.6	13.1	26.9	42.2	1.03
7	6.3	F	9.1	14.3	27.6	44.0	1.19
8	6.1	F	9.1	13.4	25.8	43.6	0.91
9	6.3	F	8.5	13.4	26.1	39.9	1.01
10	6.4	F	9.5	14.1	28.70	41.1	1.21
11	6.0	F	8.6	13.5	25.4	41.0	1.05
12	6.3	F	9.2	13.3	27.0	42.2	1.07
13							
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) Individual Offspring Bodyweight During Lactation
(b) F_1 Generation

PROJECT NUMBER:	703/256
FEMALE NUMBER:	432

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	12:30	8:30	DEAD	0
DATE	23.2.2	26.2.2	TOTAL	14
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 24.2.2

DAY P.P.	1		4	7	14	21	A - G
DATE	24.2.2 am/pm*		27/02/02	02/03/02	9.3.02	16.3.02	Distance mm
FEMALE WEIGHT (g)	317	M or F					
PUP WEIGHTS (g) 1	6.3	M	9.3	13.2	28.4	41.3	2.09
2	6.5	M	9.7	14.0	27.0	41.1	2.12
3	6.6	M	9.7	13.3	23.9	38.5	2.38
4	6.6	M	9.7	13.6	26.1	40.5	2.23
5	6.5	M	9.3	13.6	26.6	39.3	2.25
6	6.1	M	8.7	12.7	25.2	38.2	2.28
7	6.2	F	9.3	12.7	25.1	36.7	1.08
8	6.2	F	9.7	14.8	28.6	40.0	1.03
9	6.7	F	10.5	14.3	27.7	41.5	1.13
10	6.6	F	8.9	12.6	24.3	38.7	1.16
11	5.7	F	9.1	12.5	26.3	41.1	1.09
12	6.3	F	10.0	14.8	26.8	39.8	0.95
13	6.5	F	9.3	11.6	26.7	39.6	1.11
14	5.3	F	8.0	13.8	23.6	34.2	1.02
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

PROJECT NUMBER:	703/256
FEMALE NUMBER:	433

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	10
TIME	overnight	8:30	DEAD	0
DATE	11/12.02.02	12.2.02	TOTAL	10
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

+(A) 12/02/02 [illegible]

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm#		15.2.02	18.2.2	25/02/02	4.3.02	Distance mm
FEMALE WEIGHT (g)	+~~250~~ 340	M or F					
PUP WEIGHTS (g) 1	6.3	M	8.5	12.4	26.9	44.0	2.15
2	6.0	M	9.4	14.0	30.3	49.3	2.22
3	6.3	M	8.9	13.7	28.7	47.0	2.57
4	5.9	M	8.0	12.2	26.9	45.8	2.46
5	6.7	M	9.2	13.6	29.3	46.7	2.53
6	6.4	M	9.5	14.2	27.2	46.9	2.61
7	5.8	F	8.2	12.0	26.6	43.6	1.13
8	6.2	F	9.6	13.6	26.5	43.9	1.03
9	6.3	F	9.0	13.0	28.2	46.4	0.95
10	5.7	F	8.4	13.2	29.6	44.3	0.92
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	434

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	4.30	4.30	DEAD	0
DATE	12/2/02	12/2/02	TOTAL	14
SIGNATURE			SIGNATURE /DATE	12/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	13/2/02 am/pm*		16-2-02	19-2-2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	297	M or F					
PUP WEIGHTS (g) 1	6.7	M	9.6	14.2	27.2	42.5	2.16
2	6.8	M	9.4	14.3	29.0	40.8	2.53
3	6.6	M	8.9	13.5	27.3	45.1	2.54
4	6.3	M	8.5	13.0	24.1	36.5	2.67
5	5.9	M	8.6	13.0	27.7	40.5	2.21
6	6.6	M	9.3	13.3	26.8	41.4	2.29
7	5.9	F	8.0	11.3	24.6	38.3	0.97
8	6.3	F	8.8	13.4	26.0	40.4	1.21
9	5.3	F	7.6	11.6	24.5	35.1	1.09
10	6.3	F	8.4	11.9	24.5	39.4	0.99
11	5.7	F	7.9	12.2	26.9	42.3	1.11
12	5.8	F	8.4	13.3	26.3	41.4	1.10
13	5.9	F	8.9	13.0	24.8	39.4	0.96
14	5.4	F	7.4	11.2	24.4	35.8	1.16
15							
16							
17							
18							
19							
20							

*13/02/02

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	435

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	25.2.2		Distance mm
FEMALE WEIGHT (g)	357	M or F					15.2.2
PUP WEIGHTS (g) 1	6.7	m	9.0	13.2	27.5		2.57
2	6.2	m	8.7	13.1	27.0		2.25
3	6.4	m	9.6	13.3	27.0		2.24
4	6.1	m	8.7	13.4	26.4		2.20
5	6.3	m	8.5	12.2	25.4		2.37
6	6.5	m	9.3	13.5	27.2		2.50
7	6.6	m	9.6	13.5	28.4		3.00
8	6.4	m	8.5	11.8	25.3		2.67
9	6.7	m	9.5	13.4	25.8		2.32
10	6.0	m	8.7	11.9	24.5		3.01
11	6.2	m	8.8	12.2	26.7		2.60
12	6.0	F	8.8	11.6	24.6		1.01
13	6.3	F	9.1	12.3	24.8		1.23
14	6.1	F	8.2	11.8	24.6		1.17
15	6.2	F	8.5	11.6	22.5		0.99
16							
17							
18							
19	Found dead			01/03/02			
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	436

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	283	M or F					
PUP WEIGHTS (g) 1	5.9	M	7.9	11.0	20.7	29.8	2.55
2	6.2	M	8.5	11.7	22.5	33.2	2.12
3	5.8	M	8.2	10.4	20.9	31.1	2.41
4	6.1	M	8.7	12.1	22.8	32.3	2.37
5	6.0	F	8.6	11.1	21.7	34.3	1.05
6	6.0	F	9.2	11.9	22.9	33.3	0.98
7	5.6	F	7.6	11.3	19.9	29.6	1.08
8	5.6	F	8.3	11.3	22.4	31.7	1.12
9	6.0	F	8.8	11.5	22.4	35.5	0.97
10	5.4	F	7.6	10.0	20.5	33.0	1.12
11	5.3	F	7.4	9.7	—	—	*8. 1.10
12	5.9	F	8.4	12.1	20.8	31.6	0.99
13	5.7	F	8.3	11.3	21.8	31.4	0.99
14	5.6	F	7.1	9.4	17.1	24.6	1.15
15	5.8	F	7.2	9.3	15.7	23.9	1.01
16							
17							
18							
19							
20							

*(8) M 15.2.2

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	437

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16 14
TIME	12.30	8.30	DEAD	0 0
DATE	13/02/02	14/2/02	TOTAL	16 14
SIGNATURE			SIGNATURE /DATE	15/02/02 14/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm# 14/2/02		17.2.02	20.2.02	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)	372	M or F					
PUP WEIGHTS (g) 1	6.2	M	9.8	13.8	27.2	42.4	2.93
2	5.7	M	9.0	12.9	27.0	42.3	2.64
3	6.1	M	9.4	14.5	27.3	40.3	2.32
4	6.7	M	9.7	15.0	29.0	42.5	2.94
5	6.1	M	8.3	13.5	27.0	39.7	2.65
6	6.7	M	10.2	15.5	28.8	34.7	2.29
7	6.7	M	9.8	14.3	26.1	42.5	2.85
8	5.9	F	9.8	12.6	24.7	38.2	1.06
9	6.0	F	9.7	12.5	25.8	38.6	0.90
10	6.3	F	9.2	14.6	25.5	41.3	1.08
11	5.5	F	7.5	11.1	20.6	41.5	0.92
12	6.5	F	9.8	15.1	29.8	41.6	0.97
13	5.1	F	7.7	11.2	24.0	35.8	1.04
14	5.2	F	7.8	12.2	25.7	37.5	1.07
15							
16							
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	438

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	16
TIME	12.30	8.30	DEAD	0
DATE	13/02/02	14/2/02	TOTAL	16
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm*		17.2.02	20.2.2	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)	297	M or F					
PUP WEIGHTS (g) 1	6.6	M	9.4	13.0	24.1	38.1	2.22
2	7.1	M	8.8	14.1	26.2	35.3	2.53
3	6.4	M	8.6	13.5	26.9	41.0	2.76
4	6.0	M	8.3	11.9	24.7	40.8	2.60
5	5.5	M	7.9	10.6	22.4	39.3	2.97
6	6.2	M	8.3	13.0	25.8	34.1	2.41
7	6.3	M	8.8	14.1	28.4	39.3	2.09
8	6.4	F	7.3	12.2	23.3	38.1	0.98
9	6.8	F	9.4	13.7	28.0	42.7	1.03
10	6.4	F	8.5	12.6	23.6	36.8	1.04
11	7.2	F	9.3	13.7	25.7	39.7	1.04
12	6.2	F	8.7	13.4	25.8	39.4	0.98
13	6.7	F	9.7	14.4	26.9	40.8	0.97
14	6.9	F	9.2	–	–	–	1.12
15	6.0	F	7.8	12.1	25.6	38.7	1.08
16	6.2	F	8.2	12.2	23.8	36.0	0.96
17							
18							
19							
20							

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 439 not pregnant.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 440 not pregnant.

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Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

Animal number 441 killed *in extremis.*

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	442

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	9
TIME	overnight	8:30	DEAD	0
DATE	11/12 -2.02	12-2-02	TOTAL	9
SIGNATURE	[illegible]	[illegible]	SIGNATURE /DATE	[illegible] 12.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	12.2.02 ~~am~~/pm*		15.2.02	18.2.2	25/02/02	4 3 02	Distance mm
FEMALE WEIGHT (g)	347	M or F					
PUP WEIGHTS (g) 1	7.1	M	10.1	13.6	28.9	66.7	2.59
2	7.9	M	10.6	15.8	31.9	54.4	2.09
3	7.6	M	10.2	15.4	32.0	51.9	2.43
4	7.5	M	10.8	16.5	31.5	52.1	2.69
5	7.4	M	10.6	16.3	32.1	50.4	2.20
6	7.3	F	10.4	15.4	29.5	49.9	0.97
7	7.0	F	9.2	13.4	26.9	45.3	1.09
8	6.8	F	9.3	14.0	25.9	48.0	1.01
9	7.0	F	9.8	14.5	28.4	48.3	1.16
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	443	GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	OVERNIGHT	8.30	DEAD	0
DATE	13-14/2/02	14/2/02	TOTAL	11
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	14/2/02 am/pm#		17-2-02	20.2.2	27/02/02	06/03/02	Distance mm
FEMALE WEIGHT (g)	280	M or F					
PUP WEIGHTS (g) 1	7.1	M	10.4	14.9	27.1	45.2	2.16
2	7.0	F	10.4	15.6	29.2	47.6	1.05
3	7.0	F	10.2	14.7	27.5	45.5	1.12
4	7.2	F	10.3	14.9	28.4	44.4	1.07
5	6.5	F	9.6	13.9	27.7	45.5	1.30
6	7.0	F	10.4	15.6	27.8	46.0	1.12
7	5.7	F	8.3	12.3	25.5	41.2	1.13
8	6.5	F	10.0	14.5	27.6	44.8	1.27
9	6.9	F	10.1	14.6	28.9	48.2	0.94
10	6.8	F	9.9	15.2	29.6	46.9	1.09
11	6.5	F	9.5	13.6	25.4	46.7	1.18
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	444

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	13
TIME	4.30	8.30	DEAD	0
DATE	14/2/02	15/2/02	TOTAL	13
SIGNATURE			SIGNATURE /DATE	15/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	258	M or F					
PUP WEIGHTS (g) 1	6.6	m	10.1	16.4	29.2	46.5	2.62
2	6.6	m	9.6	13.3	28.8	46.6	2.25
3	6.5	m	9.4	12.8	27.9	44.0	2.23
4	5.9	m	8.4	11.9	28.2	43.0	2.24
5	6.4	m	9.6	13.1	27.8	43.0	2.47
6	6.7	m	9.9	14.3	30.7	46.0	2.55
7	6.3	F	8.7	12.7	27.7	42.9	1.16
8	6.4	F	9.2	13.8	30.3	44.6	0.90
9	6.3	F	9.6	13.4	28.4	41.1	1.16
10	6.1	F	8.7	12.6	26.3	40.6	0.93
11	6.2	F	9.3	12.8	29.2	41.6	0.75
12	6.3	F	9.1	12.8	28.9	43.5	1.05
13	6.1	F	8.5	12.6	27.7	44.6	1.02
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**

(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	445

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	14
TIME	8.30	4 30	DEAD	1
DATE	15/2/02	15/02/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	15/02/02

DAY P.P.	1		4	7	14	21	A - G
DATE	am/pm* 16/2/02		19.2.2	22.2.2	01/03/02	8.3.02	Distance mm
FEMALE WEIGHT (g)	245	M or F					
PUP WEIGHTS (g) 1	8.3	M	11.6	17.6	34.1	53.0	2.82
2	8.4	M	12.1	15.1	–	–	2.43
3	8.3	M	12.2	17.6	29.4	51.5	2.82
4	8.3	M	10.7	12.7	22.7	39.9	2.85
5	8.0	M	11.2	16.7	31.8	51.0	2.64
6	7.7	F	10.9	15.9	30.3	51.0	0.93
7	7.3	F	10.6	15.5	29.8	47.4	1.27
8	8.6	F	11.9	16.9	30.6	51.6	1.11
9	7.3	F	10.3	15.0	22.8	49.5	1.34
10	7.8	F	10.7	16.9	28.7	51.0	1.02
11	7.4	F	10.9	16.3	28.5	47.5	1.04
12	7.7	F	10.6	16.6	32.5	50.4	0.95
13	7.1	F	11.1	16.5	30.4	49.0	1.28
14	7.2	F	10.0	14.5	26.7	43.9	1.09
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	446

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	0
DATE	14/2/02	14/2/02	TOTAL	15
SIGNATURE			SIGNATURE /DATE	14/2/02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm*		18.2.2	21.2.2	25.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	353	M or F					
PUP WEIGHTS (g) 1	7.7	M	10.9	14.7	25.9	51.2	3.04
2	7.8	M	10.6	15.8	30.0	49.6	3.06
3	7.3	M	10.3	15.9	29.3	51.2	3.03
4	7.4	M	10.9	16.0	30.1	49.2	3.26
5	7.1	M	10.3	14.3	26.3	44.5	2.41
6	7.4	M	10.2	15.2	29.3	49.4	2.77
7	7.6	M	9.5	13.1	25.5	40.2	2.94
8	7.3	M	10.4	15.6	27.2	45.1	2.95
9	7.0	F	9.4	14.5	27.9	47.0	1.18
10	6.8	F	9.2	13.1	26.2	43.0	1.07
11	6.5	F	9.6	13.4	26.9	44.3	1.03
12	7.5	F	10.8	15.0	27.6	45.8	1.12
13	7.2	F	9.7	13.7	25.7	43.5	0.99
14	7.4	F	10.6	14.8	28.6	45.6	1.20
15	7.7	F	9.6	13.8	26.8	44.3	1.19
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256	DOSE GROUP:	4
FEMALE NUMBER:	447	GENERATION:	F_1–F_2

@S 15.2.02

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	11
TIME	12.30	~~14~~. 8.30	DEAD	0
DATE	14/2/02	15.2.02	TOTAL	11
SIGNATURE	[illegible]	S	SIGNATURE /DATE	S 15.2.02

DAY P.P.	1		4	7	14	21	A - G
DATE	15/2/02 am/pm#		18.2.2	21.2.2	28.2.2	7.3.02	Distance mm
FEMALE WEIGHT (g)	323	M or F					x(S) 15.2.2
PUP WEIGHTS (g) 1	8.2	M	11.8	15.8	29.7	47.7	2.99
2	8.6	M	12.3	16.9	30.0	48.7	3.19
3	6.2	M	8.9	13.0	27.2	46.4	2.45
4	7.6	M	10.1	14.4	28.2	45.8	3.18
5	7.3	M	10.5	15.6	30.7	49.1	2.47
6	8.1	M	11.9	16.9	30.9	49.5	3.05
7	7.0	F	10.1	14.7	27.9	45.7	~~2.3~~ 1.18
8	6.5	F	9.5	13.3	27.8	43.8	1.02
9	6.4	F	9.3	13.4	26.6	44.3	1.06
10	5.9	F	8.5	11.8	25.3	39.8	0.99
11	8.0	F	11.6	16.2	27.3	47.0	0.99
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 40 (continued) **Individual Offspring Bodyweight During Lactation**
(b) F_1 Generation

FEMALE AND LITTER DATA

PROJECT NUMBER:	703/256
FEMALE NUMBER:	448

DOSE GROUP:	4
GENERATION:	F_1–F_2

LITTERING			PUPS BORN	
	STARTED*	FINISHED*	LIVE	15
TIME	12.30	4.30	DEAD	2
DATE	12/2/02	12/2/02	TOTAL	17
SIGNATURE			SIGNATURE /DATE	12/2/02

DAY P.P.	1	4	7	14	21	A - G
DATE	13/2/02 am/pm*	16.2.02	19.2.2	26/02/02	5.3.02	Distance mm
FEMALE WEIGHT (g)	346					

PUP WEIGHTS (g)								
1	6.7	M	9.4	14.4	27.6	48.5	2.71
2	7.2	M	10.3	15.4	29.7	46.0	2.42
3	7.4	M	10.4	16.3	29.2	6[illegible].9	2.46
4	7.2	M	10.5	16.7	29.9	45.4	2.70
5	6.7	M	12.1	13.4	26.5	38.7	2.47
6	7.5	M	11.8	17.8	31.9	48.5	2.44
7	7.7	F	10.8	15.7	28.2	45.0	0.99
8	7.7	F	11.9	17.3	30.8	47.1	1.16
9	8.2	F	10.1	17.3	32.9	51.5	1.19
10	7.9	F	11.0	15.7	29.2	46.8	1.00
11	7.1	F	10.4	15.6	29.7	42.3	1.01
12	7.6	F	10.7	15.4	28.4	47.0	1.25
13	7.5	F	10.8	15.6	29.0	43.8	1.15
14	7.6	F	10.3	14.5	26.4	43.3	1.01
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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 41 Study Time Plan

	DATE
STUDY DIRECTOR'S APPROVAL	23 MAY 2001
SPONSOR'S APPROVAL	05 JULY 2001
ANIMALS ARRIVED	26 JUNE 2001
START OF DOSING F_0 GENERATION	11 JULY 2001
START OF F_0 MATING PHASE	23 SEPTEMBER 2001
START OF F_0 LACTATION PHASE	15 OCTOBER 2001
START OF DOSING PHASE F_1 GENERATION	06 NOVEMBER 2001
START OF F_0 FEMALE AND OFFSPRING NECROPSY	05 NOVEMBER 2001
START OF F_0 MALE NECROPSY	12 NOVEMBER 2001
START OF F_1 MATING PHASE	20 JANUARY 2002
START OF F_1 LACTATION PHASE	11 FEBRUARY 2002
START OF F_1 FEMALE AND OFFSPRING NECROPSY	05 MARCH 2002
START OF F_1 MALE NECROPSY	11 MARCH 2002
FINAL NECROPSY	16 MARCH 2002

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 42 Typical Water Quality Characteristics

WATER SUPPLY ZONE Z0129 SINFIN CHELLASTON SHARDLOW

REPORTING PERIOD: 01/01/2001 TO 31/12/2001

PARAMETER AND QUALIFIERS	NO. OF SAMPLES TAKEN IN PERIOD	SAMPLES GREATER THAN PCV		CONCENTRATION OR VALUE				
		NUMBER	PERCENT	MINIMUM	MAXIMUM	MEAN	PCV	UNITS
TEMPERATURE	60	0	0.000	5.400	20.100	12.383	>25.0	DEG C
pH	5	0	0.000	7.700	7.900	7.804	10.0	pH UNIT
NITRATE	5	0	0.000	10.200	11.500	10.880	>50.00	MG/L
NITRITE	5	0	0.000	<0.010	<0.010	<0.010	>0.10	MG/L
AMMONIUM	5	0	0.000	<0.050	<0.050	<0.050	>0.50	MG/L
IRON	36	1	2.778	20.000	303.000	53.472	>200	µG/L
ALUMINIUM	5	0	0.000	<20.000	30.000	<20.000	>200	µG/L
QUANTITATIVE TASTE	5	0	0.000	0.000	0.000	0.000	>3	
QUANTITATIVE ODOUR	5	0	0.000	0.000	0.000	0.000	>3	
MANGANESE	5	0	0.000	5.000	5.000	5.000	>50	µG/L
COLOUR	5	0	0.000	1.000	2.000	1.200	>20	HAZEN
TURBIDITY	36	0	0.000	<0.200	0.700	0.272	>4.0	NTU
CHLORODIBROMOMETHANE	4	0	0.000	5.000	10.000	8.000		µG/L
BROMODICHLOROMETHANE	4	0	0.000	7.000	13.000	10.500		µG/L
CHLOROFORM	4	0	0.000	17.000	22.000	19.250		µG/L
TRIHALOMETHANES	4	0	0.000	30.000	44.000	39.500	>100.0	µG/L
TETRACHLOROMETHANE	1	0	0.000	<0.300	<0.300	<0.300	>3.0	µG/L
TRICHLOROETHENE	1	0	0.000	<1.000	<1.000	<1.000	>30.0	µG/L
TETRACHLOROETHENE	1	0	0.000	<1.000	<1.000	<1.000	>10.0	µG/L
COPPER	1	0	0.000	<100.000	<100.000	<100.000	>3000.0	µG/L
LEAD	1	0	0.000	<1.000	<1.000	<1.000	>50	µG/L
ZINC	1	0	0.000	40.000	40.000	40.000	>5000.0	µG/L
SIMAZINE	1	0	0.000	<0.010	<0.010	<0.010	>0.100	µG/L
ATRAZINE	1	0	0.000	<0.010	<0.010	<0.010	>0.100	µG/L
PESTICIDES	1	0	0.000	<0.010	<0.010	<0.010	>0.50	µG/L
POLYCYCLIC AROMATIC HYDR	1	0	0.000	0.030	0.030	0.030	>0.200	µG/L
INDENO (1,2,3-CD) PYRENE	1	0	0.000	<5.000	<5.000	<5.000		NG/L
BENZO 3,4 PYRENE	1	0	0.000	<1.000	<1.000	<1.000	>10.0	NG/L
BENZO 3,4 FLUORANTHENE	1	0	0.000	<4.000	<4.000	<4.000		NG/L
BENZO 11,12 FLUORANTHENE	1	0	0.000	<4.000	<4.000	<4.000		NG/L
BENZO 1,12 PERYLENE	1	0	0.000	<5.000	<5.000	<5.000		NG/L
FLUORANTHENE	1	0	0.000	30.000	30.000	30.000		NG/L
BROMOFORM	4	0	0.000	<1.000	3.000	<2.000		µG/L
CHROMIUM	1	0	0.000	25.000	25.000	25.000	>50	µG/L
MERCURY	1	0	0.000	<0.100	<0.100	<0.100	>1.0	µG/L
NICKEL	1	0	0.000	<5.000	<5.000	<5.000	>50	µG/L
ANTIMONY	1	0	0.000	1.000	1.000	1.000	>10.0	µG/L
SELENIUM	1	0	0.000	1.000	1.000	1.000	>10.0	µG/L
HARDNESS TOTAL	1	0	0.000	176.000	176.000	176.000		MG/L
ALKALINITY	1	0	0.000	102.000	102.000	102.000		MG/L
SULPHATE	1	0	0.000	70.000	70.000	70.000	>250	MG/L
CALCIUM	1	0	0.000	54.000	54.000	54.000	>250	MG/L
MAGNESIUM	1	0	0.000	10.000	10.000	10.000	>50.0	MG/L
SODIUM	1	0	0.000	22.000	22.000	22.000	>150	MG/L
POTASSIUM	1	0	0.000	2.000	2.000	2.000	>12.0	MG/L
OXIDISABILITY	1	0	0.000	<0.500	<0.5000	<0.500	>5.0	MG/L
TOTAL ORGANIC CARBON	1	0	0.000	1.000	1.000	1.000		MG/L
BORON	1	0	0.000	50.000	50.000	50.000	>1000	µG/L
SURFACTANTS	1	0	0.000	<20.000	<20.000	<20.000	>200	µG/L
PHOSPHORUS	1	0	0.000	670.000	670.000	670.000	>2200	µG/L
FLUORIDE	1	0	0.000	340.000	340.000	340.000	>1500	µG/L
BARIUM	1	0	0.000	90.000	90.000	90.000	>1000	µG/L
CHLORIDE	1	0	0.000	24.000	24.000	24.000	>400	MG/L
SILVER	1	0	0.000	<0.300	<0.300	<0.300	>10.0	µG/L
ARSENIC	1	0	0.000	1.000	1.000	1.000	>50	µG/L
CADMIUM	1	0	0.000	<0.500	<0.500	<0.500	>5.0	µG/L
CYANIDE	1	0	0.000	<5.000	<5.000	<5.000	>50	µG/L
COLIFORMS CONFIRMED	60	0	0.000	0.000	0.000	0.000	>0	No-100 ML
E.COLI CONFIRMED	60	0	0.000	0.000	0.000	0.000	>0	No-100 ML
COLONY COUNT AT 37°C	52	0	0.000	0.000	72.000	2.442		No-1 ML
COLONY COUNT AT 21°C	52	0	0.000	0.000	>300.000	>24.538		No-1 ML
CHLORINE FREE	60	0	0.000	0.020	0.220	0.090		MG/L
CHLORINE TOTAL	60	0	0.000	0.070	0.340	0.156		MG/L
QUALITATIVE TASTE	60	0	0.000	0.000	0.000	0.000		
QUALITATIVE ODOUR	60	0	0.000	0.000	0.000	0.000		
CONDUCTIVITY	60	0	0.000	335.000	558.000	413.267	>1500	µS/CM

PCV = Prescribed Concentration or Value

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 43 Certificate of Analysis of Vehicle for Test Material Preparations

24-JAN-2002-THU 14:41 FROM:WM. HODGSON FAX:01625 599222 PAGE 1

— Established 1894 —

William Hodgson & Co

Mr E. Mealand

73A London Road,
Alderley Edge,
Cheshire SK9 7DY

Telephone: 01625 599111
Fax No. 01625 599222

CERTIFICATE OF ANALYSIS

R.D.W. MAIZE OIL

Customer: Analytical Supplies Ltd.
Quantity: 1 x 20 litre drum
Lot No: KMO 79
Code No: ZZZ15586

Date: 22.1.2002
Order No: 0086641
Batch No: X1921

TEST	SPECIFICATION	ANALYSIS
Free Fatty Acid, %	0.5 max.	0.04
Peroxide Value meq/kg	1.0 max.	0.0
Specific Gravity @ 20°C	0.915 - 0.923	0.918
Saponification Value	189 - 192	191.0
Refractive Index @ 20°C	1.472 - 1.475	1.473
Iodine Value	110 - 130	126.4
Taste (max. 7)	7.0 max.	7
Colour Lovibond 5.25"	Y 50 max. R 5 max.	27.0 3.4

FATTY ACID PROFILE

C16:0	Palmitic	8.6 - 16.5	10.5
C18:0	Stearic Acid	1.0 - 3.3	1.2
C18:1	Oleic Acid	20.0 - 45.4	24.8
C18:2	Linoleic Acid	38.2 - 65.6	56.5
C18:3	Linolenic Acid	0.0 - 1.5	0.5

Signed..... (Technical Manager)

MR. KEITH MEALAND

PER PRO. WILLIAM HODGSON & COMPANY

ISO9002

24-JAN-2002 12:47 01625 599222 96% P.01

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 Certificate of Analysis of Diet Used

FICHE CONTROLE

VRF1CP2.5 lot 10213

Date de Fabrication 13/02/2001

Date limite de vente 13/06/2001
Date limite d'utilisation 13/02/2002

Numeros des sacs :	163 à 212
Quantité fabriquée ..... (en tonnes)	27
Contrôle de la composition centésimale	Conforme

GRANULOMETRIE (en mm)

0.00 < diamètre < 0.10	0.0
0.10 < diamètre < 0.25	14.4
0.25 < diamètre < 0.50	46.2
0.50 < diamètre < 1.00	36.1
1.00 < diamètre < 2.00	3.3
2.00 < diamètre < 3.15	0.0
3.15 < diamètre	0.0

CONTROLE DE LA QUALITE NUTRITIVE

Temoin incorporation melange mineral	(Na)	Positif	
Témoin incorporation pre-mélange oligo-éléments	(Mn et Cu)	Positif	
Témoin incorporation pre-mélange vitamines ..	(Vit.A et E)	Positif	
Eau	(en %)	10.9	(9 à 14)
Protéines	(en %)	18.5	(17.4 à 20.4)
Lipides	(en %)	4.8	(3.8 à 6.2)
Glucides E.N.A.	(en %)	54.4	(45.0 à 60.0)
Dont Amidon	(en %)	40.4	
" Sucres totaux	(en %)	4.1	
Cellulose WEENDE	(en %)	3.6	(2.8 à 5.2)
Hemicellulose	(en %)		
Cellulose vraie	(en %)		
Lignine	(en %)		
Minéraux totaux	(en %)	5.6	(4.5 à 7.0)
Dont Calcium	(en mg / Kg)	9 700	(9 000 à 12 000)
" Phosphore	(en mg / Kg)	7 200	(4 000 à 8 300)
" Sodium	(en mg / Kg)	2 800	(2 500 à 3 700)
" Potassium	(en mg / Kg)	8 100	(5 700 à 9 700)
" Manganese	(en mg / Kg)	64	(20 à 100)
" Cuivre	(en mg / Kg)	19	(13 à 2[illegible])
" Vitamine A	(en UI / Kg)	43 100	(20 000 à 55 000)
" Vitamine C	(en mg / Kg)		
" Vitamine E	(en mg / Kg)	100	

CONTROLE DES CONTAMINANTS

BACTERIOLOGIQUES			
Microorganismes aerobies 30° C	(g)	15 000	(< 100 000)
Moisissures & levures	(g)	< 10	(< 1 000)
Coliformes 30° C	(g)	0	(< 5)
Coliformes thermotolérants	(g)	0	(0)
Anaérobies sulfito-réductrices 46° C	(g)	< 10	(< 100)
Salmonelles	(25 g)	0	(0)

MYCOTOXIQUES (en µg / Kg)		
Aflatoxines	< 1	(< 5)
Risque mycotoxique global	Négatif	

Observations éventuelles

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 (continued) Certificate of Analysis of Diet Used

VRF1CP2.5 lot 10213 13/02/2001

METAUX LOURDS

Plomb .....(en µg / Kg)	40	(< 1 500)
Mercure ...(en µg / Kg)	21	(< 100)
Arsenic ...(en µg / Kg)	10	(< 1 000)
Cadmium ...(en µg / Kg)	47	(< 250)
Sélenium ..(en µg / Kg)	80	(< 600)

DERIVES NITROSES

NO2 .....(en mg / Kg)	< 0.5	(Σ< 500)
NO3 .....(en mg / Kg)	11.1	
NDMA .....(en µg / Kg)	1.9	(< 10)
NDEA .....(en µg / Kg)	< 0.2	(< 10)
NDPA .....(en µg / Kg)	< 0.3	(< 10)
NDBA .....(en µg / Kg)	< 0.3	(< 10)
NPIP .....(en µg / Kg)	< 0.3	(< 10)
NPYR .....(en µg / Kg)	< 0.5	(< 10)
NMOR .....(en µg / Kg)	< 0.6	(< 10)

PESTICIDES ORGANOS-CHLORES (en µg / Kg)

Lindane	< 1	(< 100)
a HCH	< 1	(< 20)
b HCH	< 5	(< 10)
d HCH	< 5	(< 100)
HCB	< 1	(< 10)
PCB	< 50	(< 50)
Aldrine	< 1	(< 10)
Dieldrine	< 1	(< 20)
Endosulfan	< 1	(< 100)

(Total < 200)

Heptachlore	< 1	(Σ< 10)
Heptachlore Epoxyde ...	< 1	
Endrine	< 1	(< 10)
o.p'DDD	< 5	
p.p'DDD	< 5	
o.p'DDE	< 1	(Σ< 50)
p.p'DDE	< 1	
o.p'DDT	< 5	
p.p'DDT	< 5	

PESTICIDES ORGANOS-PHOSPHORES (en µg / Kg)

Acephate	< 500	(< 5 000)
Azinphos éthyl	< 50	(< 5 000)
Azinphos méthyl	< 50	(< 5 000)
Bromophos éthyl	< 10	(< 5 000)
Bromophos méthyl	< 20	(< 5 000)
Carbophenothion ethyl .	< 50	(< 5 000)
Carbophénothion méthyl	< 20	(< 5 000)
Chlorfenvinphos	< 10	(< 5 000)
Chlorméphos	< 10	(< 5 000)
Chlorpyriphos éthyl ...	< 15	(< 5 000)
Chlorpyriphos methyl ..	< 15	(< 1 500)
Chlortriofos	< 15	(< 5 000)
Diazinon	< 15	(< 5 000)
Dichlofenthion	< 10	(< 5 000)
Dichlorvos	< 20	(< 5 000)
Diéthion	< 10	(< 5 000)
Diméfox	< 20	(< 5 000)
Diméthoate	< 30	(< 1 000)
Dioxathion	< 15	(< 5 000)
Disulfoton	< 30	(< 5 000)
Ethoprophos	< 20	(< 5 000)
Fenchlorphos	< 20	(< 5 000)
Fénitrothion	< 15	(< 5 000)
Fenthion	< 30	(< 5 000)
Fonofos	< 20	(< 5 000)
Formothion	< 20	(< 5 000)
Heptenophos	< 30	(< 5 000)

(Total < 7 000)

Iodofenphos	< 25	(< 5 000)
Malathion	39	(< 5 000)
Méthamidophos	< 15	(< 5 000)
Méthidathion	< 25	(< 5 000)
Mévinphos	< 10	(< 5 000)
Monocrotophos	< 90	(< 5 000)
Naled	< 15	(< 5 000)
Oxydéméton méthyl	< 400	(< 5 000)
Parathion éthyl	< 20	(< 5 000)
Parathion méthyl	< 20	(< 5 000)
Phosalone	< 50	(< 5 000)
Phosmet	< 50	(< 5 000)
Phosphamidon	< 25	(< 5 000)
Profénofos	< 50	(< 5 000)
Prothoate	< 20	(< 5 000)
Pyridaphenthion	< 15	(< 5 000)
Pyrimiphos ethyl	< 20	(< 5 000)
Pyrimiphos méthyl	< 15	(< 2 500)
Sulfotep	< 20	(< 5 000)
Temephos	< 15	(< 5 000)
Tétrachlorvinphos	< 30	(< 5 000)
Thiométhon	< 40	(< 5 000)
Triazophos	< 30	(< 5 000)
Trichlorfon	< 10	(< 5 000)
Trichloronate	< 25	(< 5 000)

PYRETHRINOIDES DE SYNTHESE (en µg / Kg)

ND ..... ND ..... ND

REMARQUES

Laboratoire Contrôle AQ
Le Responsable

03/04/2001

Le Responsable AQ

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 (continued) Certificate of Analysis of Diet Used

24/10 '02 09:30 FAX 01843823497 CRUK CUSTOMER SERVICES 002

Ollar

CONTROL DATA

VRF1C lot 10608 ✓

Date of Manufacture 2001/06/08

Sell by date 2001/10/08

Use by date 2002/06/08

Bag numbers ..... :	1 to 500
Quantity manufactured ..... (tonnes)	26
Variation from theoretical weight	Conform

PHYSICAL QUALITY OF THE PELLETS

Diameter	(mm)	12.82	±	0.07	(12.0 to 13.4)
Resistance to crushing	(Kgf / cm²)	17.3	±	1.7	(13 to 20)
Resistance to abrasion	(%)	98.4			(> 97)
Specific mass	(g / l)	644.0			
Average pellet weight	(g)	2.652	±	0.326	
Average pellet length	(mm)	18.90	±	1.80	(15.0 to 24.0)
Length < Diameter	(%)	0.7			(< 2)
Number of pellets burnt	(/ Kg)	0			(< 10)

NUTRITIVE QUALITY

Incorporation of macro-mineral mix	(Na)	Positive	
Incorporation of micro-mineral premix	(Mn and Cu)	Positive	
Incorporation of vitamin premix	(Vit.A and E)	Positive	
Moisture	(%)	12.4	(9 to 14)
Crude protein	(%)	18.4	(17.4 to 20.6)
Crude oil	(%)	5.0	(3.8 to 6.2)
Nitrogen free extract	(%)	54.5	(48.0 to 60.0)
of which starch	(%)	39.6	
" which total sugars	(%)	4.0	
Crude fibre	(%)	3.5	(2.8 to 5.2)
Hemicellulose	(%)		
True cellulose	(%)		
Lignine	(%)		
Total minerals	(%)	6.2	(4.5 to 7.0)
Calcium	(mg / Kg)	9 000	(8 000 to 12 000)
Phosphorus	(mg / Kg)	7 300	(4 000 to 8 300)
Sodium	(mg / Kg)	3 700	(2 500 to 3 700)
Potassium	(mg / Kg)	7 300	(5 700 to 9 700)
Manganese	(mg / Kg)	62	(20 to 100)
Copper	(mg / Kg)	18	(13 to 25)
Vitamin A	(UI / Kg)	53 500	(20 000 to 55 000)
Vitamin C	(mg / Kg)		
Vitamin E	(mg / Kg)	110	

CONTAMINENTS

BACTERIOLOGY			
Viable organisms	(/g)	3 600	(< 100 000)
Moulds and yeasts	(/g)	< 10	(< 1 000)
Total coliforms	(/g)	0	(< 5)
Faecal coliforms	(/g)	0	(0)
Anaerobies S.R	(/g)	< 10	(< 100)
Salmonella	(/25 g)	0	(0)

MYCOTOXINS (µg / Kg)		
Aflatoxin	< 1	(< 5)
Mycotoxin global risk	Negative	

Optional Notes

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 (continued) Certificate of Analysis of Diet Used

24/10 '02 09:30 FAX 01843823497 CRUK CUSTOMER SERVICES 003

VRF1C lot 10608 2001/06/08

HEAVY METALS

Lead - Pb ....(µg / Kg)	20	(< 1 500)
Mercury - Hg .(µg / Kg)	16	(< 100)
Arsenic - As .(µg / Kg)	40	(< 1 000)
Cadmium - Cd .(µg / Kg)	32	(< 250)
Selenium .....(µg / Kg)	310	(< 600)

NITROGEN DERIVATIVES

NO2 .....(mg / Kg)	2.0	(Σ< 500)
NO3 .....(mg / Kg)	19.7	
NDMA .....(µg / Kg)	1.5	(< 10)
NDEA .....(µg / Kg)	< 0.2	(< 10)
NDPA .....(µg / Kg)	< 0.3	(< 10)
NDBA .....(µg / Kg)	< 0.3	(< 10)
NPIP .....(µg / Kg)	< 0.3	(< 10)
NPYR .....(µg / Kg)	< 0.5	(< 10)
NMOR .....(µg / Kg)	< 0.6	(< 10)

PESTICIDES ORGANOS-CHLORINE (µg / Kg)

Lindane	1	(< 100)
a HCH	< 1	(< 20)
b HCH	< 5	(< 10)
d HCH	< 5	(< 100)
HCB	< 1	(< 10)
PCB	< 50	(< 50)
Aldrin	< 1	(< 10)
Dieldrin	< 1	(< 20)
Endosulfan	< 1	(< 100)

(Total < 200)

Heptachlor	< 1	(Σ< 10)
Heptachlor Epoxide	< 1	
Endrin	< 1	(< 10)
o.p'DDD	< 5	
p.p'DDD	< 5	
o.p'DDE	< 1	(Σ< 50)
p.p'DDE	< 1	
o.p'DDT	< 5	
p.p'DDT	< 5	

PESTICIDES ORGANOS-PHOSPHORUS (µg / Kg)

Acephate	< 500	(< 5 000)
Azinphos ethyl	< 50	(< 5 000)
Azinphos methyl	< 50	(< 5 000)
Bromophos ethyl	< 10	(< 5 000)
Bromophos methyl	< 20	(< 5 000)
Carbophenothion ethyl .	< 50	(< 5 000)
Carbophenothion methyl	< 20	(< 5 000)
Chlorfenvinphos	< 10	(< 5 000)
Chlormephos	< 10	(< 5 000)
Chlorpyriphos ethyl ...	< 15	(< 5 000)
Chlorpyriphos methyl ..	< 15	(< 1 500)
Chlorthiofos	< 15	(< 5 000)
Diazinon	< 15	(< 5 000)
Dichlofenthion	< 10	(< 5 000)
Dichlorvos	< 20	(< 5 000)
Diethion	< 10	(< 5 000)
Dimefox	< 20	(< 5 000)
Dimethoate	< 30	(< 1 000)
Dioxathion	< 15	(< 5 000)
Disulfoton	< 30	(< 5 000)
Ethoprophos	< 20	(< 5 000)
Fenchlorphos	< 20	(< 5 000)
Fenitrothion	< 15	(< 5 000)
Fenthion	< 30	(< 5 000)
Fonofos	< 20	(< 5 000)
Formothion	< 20	(< 5 000)
Heptenophos	< 30	(< 5 000)

(Total < 7 000)

Iodofenphos	< 25	(< 5 000)
Malathion	15	(< 5 000)
Methamidophos	< 15	(< 5 000)
Methidathion	< 25	(< 5 000)
Mevinphos	< 10	(< 5 000)
Monocrotophos	< 90	(< 5 000)
Naled	< 15	(< 5 000)
Oxydemeton methyl	< 400	(< 5 000)
Parathion ethyl	< 20	(< 5 000)
Parathion methyl	< 20	(< 5 000)
Phosalone	< 50	(< 5 000)
Phosmet	< 50	(< 5 000)
Phosphamidon	< 25	(< 5 000)
Profenofos	< 50	(< 5 000)
Prothoate	< 20	(< 5 000)
Pyridaphenthion	< 15	(< 5 000)
Pyrimiphos ethyl	< 20	(< 5 000)
Pyrimiphos methyl	< 15	(< 2 500)
Sulfotep	< 20	(< 5 000)
Temephos	< 15	(< 5 000)
Tetrachlorvinphos	< 30	(< 5 000)
Thiomethon	< 40	(< 5 000)
Triazophos	< 30	(< 5 000)
Trichlorfon	< 10	(< 5 000)
Trichloronate	< 25	(< 5 000)

SYNTHETIC PYRETHRINOIDE (µg / Kg)

Deltaméthrine	42	ND	ND

NOTES

Laboratoire Contrôle AQ
Le Responsable

2001/06/27

Le Responsable AQ

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 (continued) Certificate of Analysis of Diet Used

24/10 '02 09:31 FAX 01843823497 CRUK CUSTOMER SERVICES 004

CONTROL DATA

VRF1C batch 20107

Date of Manufacture 2002/01/07

Sell by date 2002/05/07

Use by date 2003/01/07

Bag numbers ..... :	1 to 500
Quantity manufactured ..... (tonnes)	10
Variation from theoretical weight	Conform

PHYSICAL QUALITY OF THE PELLETS

Diameter ..... (mm)	12.95	±	0.16	(12.0 to 13.4)
Resistance to crushing ..... (Kgf / cm²)	15.1	±	1.3	(13 to 20)
Resistance to abrasion ..... (%)	98.3			(> 97)
Specific mass ..... (g / l)	606			
Average pellet weight ..... (g)	2.722	±	0.232	
Average pellet length ..... (mm)	18.3	±	1.4	(15.0 to 24.0)
Length < Diameter ..... (%)	0.2			(< 2)
Number of pellets burnt ..... (/ Kg)				(< 10)

NUTRITIVE QUALITY

Incorporation of macro-mineral mix ..... (Na)	Positive	
Incorporation of micro-mineral premix ..... (Mn and Cu)	Positive	
Incorporation of vitamin premix ..... (Vit.A and E)	Positive	
Moisture ..... (%)	13.7	(9 to 14)
Crude protein ..... (%)	18.0	(17.4 to 20.4)
Crude oil ..... (%)	4.8	(3.8 to 6.2)
Nitrogen free extract ..... (%)	54.8	(48.0 to 60.0)
of which starch ..... (%)	39.0	
" which total sugars ..... (%)	4.1	
Crude fibre ..... (%)	3.8	(2.8 to 5.2)
Hemicellulose ..... (%)		
True cellulose ..... (%)		
Lignine ..... (%)		
Total minerals ..... (%)	5.8	(4.5 to 7.0)
Calcium ..... (mg / Kg)	8 600	(8 000 to 12 000)
Phosphorus ..... (mg / Kg)	6 300	(4 000 to 8 300)
Sodium ..... (mg / Kg)	3 200	(2 500 to 3 700)
Potassium ..... (mg / Kg)	6 800	(5 700 to 9 700)
Manganese ..... (mg / Kg)	65	(20 to 100)
Copper ..... (mg / Kg)	17	(13 to 25)
Vitamin A ..... (UI / Kg)	47 800	(20 000 to 55 000)
Vitamin C ..... (mg / Kg)		
Vitamin E ..... (mg / Kg)	100	

CONTAMINENTS

BACTERIOLOGY			
Viable organisms	(/ g)	< 100	(< 100 000)
Moulds and yeasts	(/ g)	50	(< 1 000)
Total coliforms	(/ g)	0	(< 5)
Faecal coliforms	(/ g)	0	(0)
Anaerobies S.R.	(/ g)	< 10	(< 100)
Salmonella	(/ 25 g)	0	(0)

MYCOTOXINS (µg / Kg)		
Aflatoxin	< 1	(< 5)
Mycotoxin global risk	Negative	

Optional Notes

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 44 (continued) Certificate of Analysis of Diet Used

24/10 '02 09:32 FAX 01843823497 CRUK CUSTOMER SERVICES 005

VRF1C batch 20107 2002/01/07

HEAVY METALS

Lead - Pb ....(µg / Kg)	20	(< 1 500)
Mercury - Hg .(µg / Kg)	10	(< 100)
Arsenic - As .(µg / Kg)	36	(< 1 000)
Cadmium - Cd .(µg / Kg)	42	(< 250)
Selenium .....(µg / Kg)	170	(< 600)

NITROGEN DERIVATIVES

NO2 .....(mg / Kg)	< 0.5	(Σ< 500)
NO3 .....(mg / Kg)	16	
NDMA .....(µg / Kg)	1.8	(< 10)
NDEA .....(µg / Kg)	< 0.2	(< 10)
NDPA .....(µg / Kg)	< 0.3	(< 10)
NDBA .....(µg / Kg)	< 0.3	(< 10)
NPIP .....(µg / Kg)	< 0.3	(< 10)
NPYR .....(µg / Kg)	< 0.5	(< 10)
NMOR .....(µg / Kg)	< 0.6	(< 10)

PESTICIDES ORGANOS-CHLORINE (µg / Kg)

Lindane	< 1	(< 100)
a HCH	< 1	(< 20)
b HCH	< 5	(< 10)
d HCH	< 5	(< 100)
HCB	< 1	(< 10)
PCB	< 50	(< 50)
Aldrin	< 1	(< 10)
Dieldrin	< 1	(< 20)
Endosulfan	< 1	(< 100)

(Total < 200)

Heptachlor	< 1	(Σ< 10)
Heptachlor Epoxide	< 1	
Endrin	< 1	(< 10)
o.p'DDD	< 5	
p.p'DDD	< 5	
o.p'DDE	< 1	(Σ< 50)
p.p'DDE	< 1	
o.p'DDT	< 5	
p.p'DDT	< 5	

PESTICIDES ORGANOS-PHOSPHORUS (µg / Kg)

Acephate	< 500	(< 5 000)
Azinphos ethyl	< 50	(< 5 000)
Azinphos methyl	< 50	(< 5 000)
Bromophos ethyl	< 10	(< 5 000)
Bromophos methyl	< 20	(< 5 000)
Carbophenothion ethyl .	< 50	(< 5 000)
Carbophenothion methyl	< 20	(< 5 000)
Chlorfenvinphos	< 10	(< 5 000)
Chlormephos	< 10	(< 5 000)
Chlorpyriphos ethyl ...	< 15	(< 5 000)
Chlorpyriphos methyl ..	< 15	(< 1 500)
Chlorthiofos	< 15	(< 5 000)
Diazinon	< 15	(< 5 000)
Dichlofenthion	< 10	(< 5 000)
Dichlorvos	< 20	(< 5 000)
Diethion	< 10	(< 5 000)
Dimefox	< 20	(< 5 000)
Dimethoate	< 30	(< 1 000)
Dioxathion	< 15	(< 5 000)
Disulfoton	< 30	(< 5 000)
Ethoprophos	< 20	(< 5 000)
Fenchlorphos	< 20	(< 5 000)
Fenitrothion	< 15	(< 5 000)
Fenthion	< 30	(< 5 000)
Fonofos	< 20	(< 5 000)
Formothion	< 20	(< 5 000)
Heptenophos	< 30	(< 5 000)

(Total < 7 000)

Iodofenphos	< 25	(< 5 000)
Malathion	32	(< 5 000)
Methamidophos	< 15	(< 5 000)
Methidathion	< 25	(< 5 000)
Mevinphos	< 10	(< 5 000)
Monocrotophos	< 90	(< 5 000)
Naled	< 15	(< 5 000)
Oxydemeton methyl	< 400	(< 5 000)
Parathion ethyl	< 20	(< 5 000)
Parathion methyl	< 20	(< 5 000)
Phosalone	< 50	(< 5 000)
Phosmet	< 50	(< 5 000)
Phosphamidon	< 25	(< 5 000)
Profenofos	< 50	(< 5 000)
Prothoate	< 20	(< 5 000)
Pyridaphenthion	< 15	(< 5 000)
Pyrimiphos ethyl	< 20	(< 5 000)
Pyrimiphos methyl	< 15	(< 2 500)
Sulfotep	< 20	(< 5 000)
Temephos	< 15	(< 5 000)
Tetrachlorvinphos	< 30	(< 5 000)
Thiomethon	< 40	(< 5 000)
Triazophos	< 30	(< 5 000)
Trichlorfon	< 10	(< 5 000)
Trichloronate	< 25	(< 5 000)

SYNTHETIC PYRETHRINOIDS (µg / Kg)

..... ND ..... ND ..... ND

NOTES

Laboratoire Contrôle AQ
Le Responsable

2002/02/13

Le Responsable AQ

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 Protocol and Protocol Amendments

SafePharm Laboratories

PROTOCOL

TEST MATERIAL	:	SP 7077
STUDY TYPE	:	Oral Gavage One Generation Reproduction Study in the Rat
PROJECT NUMBER	:	703/256
PROPOSED START DATE	:	July 2001
PROPOSED COMPLETION DATE	:	January 2002
TARGET (DRAFT) REPORT DATE	:	End of May 2002
SPONSOR	:	[ ]
[ ]	:	[ ]

APPROVED FOR SPONSOR BY: [ ] DATE: 5 July 2001

AUTHORISED BY: Eric Wood CBiol MIBiol DATE: 23 May 2001
STUDY DIRECTOR

This protocol is issued without signature by the Study Director to enable changes to be made if necessary prior to authorisation. Sponsors should sign and return the document to indicate approval and GLP authorisation will be confirmed by the Study Director's signature prior to the start of the study.

Appendix 45 (continued) Protocol and Protocol Amendments

ORAL GAVAGE ONE GENERATION REPRODUCTION STUDY IN THE RAT

1. INTRODUCTION AND OBJECTIVES

This protocol details a study designed to comply with the following regulatory guidelines:

i) OECD Guidelines for the Testing of Chemicals, Section 4: Health Effects, Test Guidelines No 415, 26 May 1983.

The purpose of this study is to investigate the effects of the test material on reproduction, pre-natal and post-natal development of the rat when administered throughout the reproductive cycle.

The work will be performed in compliance with UK GLP standards (Schedule 1, Good Laboratory Practice Regulations 1999 (SI 1999/3106)). These regulations are in accordance with GLP standards published as OECD Principles on Good Laboratory Practice (Revised 1997, ENV/MC/CHEM(98)17); and are in accordance with, and implement, the requirements of Directives 87/18/EEC (as amended by Directive 1999/11/EC) and 88/320/EEC (as amended by Directive 1999/12/EC).

These international standards are acceptable to the Regulatory agencies of the following countries: Australia, Austria, Belgium, Canada, the Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Israel, Italy, Japan, Republic of Korea, Luxembourg, Mexico, The Netherlands, New Zealand, Norway, Poland, Portugal, Slovenia, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States of America.

2. STUDY FACILITIES

Test Facility	Test Site (histology processing)
Safepharm Laboratories Ltd	Precision Histology International
Shardlow Business Park	One Eyed Lane
Shardlow	Weybread
Derbyshire	DISS
DE72 2GD	Norfolk
	IP21 5TT

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

3. ANIMALS

Specification

Parental male and female Sprague-Dawley Crl: CD® IGS BR strain rats obtained from Charles River (UK) Limited, Margate, Kent. At the start of treatment the males and females will be approximately 6 weeks of age. Sufficient animals will be ordered to provide 28 of each sex per group. The weight range at the start of the study will not exceed ± 20% of the mean weight.

Justification

Preferred species of choice as historically used for safety evaluation studies and specified by appropriate regulatory authorities.

4. ANIMAL HUSBANDRY

Environment:	Target temperature: 21 ± 2°C
Target humidity:	55 ± 15%
Lighting:	Twelve hours of continuous artificial light in each twenty-four hour period.
Ventilation:	At least fifteen air changes per hour.

Housing

Number of animals per cage:

Period	Male		Female
Pre-mating	4		4
Mating	1	+	1 (together)
Gestation	-		1
Lactation	-		1 + litter

During maturation and pairing males and females will be housed in polypropylene cages with stainless steel grid floors and tops, suspended over paper-lined polypropylene trays. Females during gestation and lactation will be housed in polypropylene cages with solid floors and stainless steel grid tops.

Bedding

Softwood chips during gestation and lactation.

Diet and water

Rat and Mouse VRFIC Expanded Diet (Charles River UK Limited, Margate, Kent, UK) with batch analysis and tap water *ad libitum*.

The diet and drinking water are routinely analysed and are not considered to contain any contaminant that could reasonably be expected to affect the purpose and integrity of the study.

5. ANIMAL WELFARE

Environmental Enrichment

Animals will be provided with environmental enrichment items: wooden chew blocks (B & K Universal Ltd, Hull, UK) and cardboard fun tunnels (Datesand Ltd, Cheshire, UK) or suitable alternatives.

Study Conduct

The study was designed and will be conducted to cause the minimum suffering or distress to the animals consistent with the scientific objectives and in accordance with the Safepharm policy on animal welfare. This protocol is subject to review and the conduct of the study may be retrospectively reviewed, as part of the Safepharm Ethical Review Process.

6. PRE-TEST PROCEDURES

Acclimatisation period

At least 12 days.

Allocation

Parental animals will be allocated to dose groups by randomisation procedure based on bodyweight.

Identification

Each animal, selected at random, will be uniquely identified by ear-punch. A colour-coded cage card will be prepared with details of test material, project number, dose level, sex, numbers of animals, route of administration and Study Director responsible for the study.

7. TEST MATERIAL, EXPERIMENTAL PREPARATION AND ANALYSIS OF TEST ARTICLE FORMULATION

Identification

Supplied by the Sponsor with details of purity, stability and hazardous properties if known.

Storage

Room temperature protected from the light. A five gram sample of the test material will be sent to the Sponsor prior to the start, and at the end of the study.

Analysis of the Test Article Formulations

No analyses will be conducted by Safepharm Laboratories. The Sponsor assumes responsibility for preparing all appropriate documentation addressing vehicle and test article homogeneity, stability, and concentrations. These results will be submitted to the Study Director in a timely manner sufficient to allow for investigation and follow-up if necessary.

Method and Frequency of Formulations

The vehicle for this study will be corn oil. Fresh test vehicle and dosing mixtures containing the test article will be prepared weekly. Batches of test suspension sufficient for each of the selected dosage levels will be mixed. Depending on the physical characteristics of the test article, appropriate methods will be used to ensure the best possible suspension of the test article in the vehicle. Dosing suspensions will be stored at room temperature for a period not to exceed one week in duration. The study director, deputy director or designee will visually inspect the formulated suspensions prior to initiation of dosing. This visual inspection will be done to ensure that the suspensions are visibly homogeneous and acceptable for dosing. If any special procedures are required for formulation, this procedure will be documented according to Good Laboratory Practice and presented in the final report of this study.

Appendix 45 (continued) Protocol and Protocol Amendments

Dosing mixtures shall be prepared on the first day of test article administration and weekly thereafter. A copy of the Testing Laboratory's proposed mixing procedures will be sent to the Sponsor's Study Monitor for approval. This procedure will include method of mixing, batch size, and appropriate weights of test article and reagents. After approval, the Test Laboratory's procedure will be issued as an amendment to this protocol.

Dosing mixtures will be stored at ambient temperatures. All previously stored dosing mixtures, with the exception of that required for analytical and retention samples, will be discarded once a new batch of dosing mixture is prepared. During use all dose preparations will be continuously stirred using a magnetic stirrer.

Homogeneity and Stability of Test Article Formulations

Samples of dosing mixture homogeneity, and stability analyses will be collected prior to the start of the study. While undergoing stirring in the beaker, the following sample aliquots (5 ml) will be drawn for analysis: control, three aliquots (from the middle); all treatment groups, 27 aliquots (3 each from the top, middle and bottom). Two of the three samples will be sent to [ ] r analysis of homogeneity and stability over a seven-day period. The samples will be shipped under ambient conditions. The remaining sample from each dose level and strata will be stored under normal laboratory conditions for possible future analysis.

Concentration Analysis

The scheduled time point for collection of samples of the dosing mixture are:

i) Once each week for the first four weeks of the study.

ii) Subsequently, once per month until completion of study.

If unsatisfactory results from the sample analyses occur, additional analyses may be performed.

At each specified time point, two 5 ml aliquots of the preparations will be taken from each dose level (middle stratum), including the control group. The dosing mixture will be thoroughly mixed before taking each sample. One sample from each dose level will be analysed; the remaining sample will be retained by the Test Laboratory for possible future analysis.

Appendix 45 (continued) Protocol and Protocol Amendments

Dosing mixture samples for homogeneity, stability and concentration of the test article at all dose levels, including the control, will be analysed by the Sponsor. The methods employed will be one or more of the following:

Concentration and stability data will be evaluated using percent difference. The acceptable tolerance between the theoretical and measured values is 15%.

Mixtures will be considered homogeneous if the difference between the overall group mean and strata mean is 10% or less.

Sample Handling and Shipment

Each 5 ml sample will be placed in a glass vial with a Bakelite lid with wax impregnated disc insert. The vial plus sample weight will be recorded with an accuracy of +0.005 g. Each sample will be stored at ambient temperature. Each sample container will be labelled with the following information:

Accession Number
Sponsor's Reference Number
Testing Laboratory Study Number
Test Article Name
Dose Level (mg/kg)
Dosing Mixture Concentration (mg/ml)
Preparation Date
Sampling Date
Weight of Sample

The sample shall be packed in a suitable container to maintain the temperature conditions specified in Section 6 during transit plus an adequate margin of safety for any transit delays. The sample shall be sent by express courier to:

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Appendix 45 (continued) Protocol and Protocol Amendments

This notification shall include test article and study identification, carrier, and estimated time/date of arrival. Sample shipments shall be accompanied by an inventory sheet describing the samples contained in the shipment with the information described above.

8. STUDY DESIGN

Dose Groups

Dose levels will be based on previous toxicity information.

Group Number	Group Designation	Dose Level mg/kg‡	Number of Animals			
			P Generation (Animal Numbers)		Selected Offspring+ (Animal Numbers)	
			Male	Female	Male	Female
1	Control	0	28 (1 – 28)	28 (113 – 140)	28 (225 – 252)	28 (337 – 364)
2	Low	‡	28 (29 – 56)	28 (141 – 168)	28 (253 – 280)	28 (365 – 392)
3	Intermediate	‡	28 (57 – 84)	28 (169 – 196)	28 (281 – 308)	28 (393 – 420)
4	High	‡	28 (85 – 112)	28 (197 – 224)	28 (309 – 336)	28 (421 – 448)

Administration

The test material will be orally administered on a daily basis, by gavage, for a minimum of 10 weeks, for adult males and females, prior to mating and subsequently throughout the mating, gestation and lactation phases. Administration of the test material to selected F_1 offspring will be from weaning to completion of sexual development or completion of a second generation (if required).

Justification

The route of administration is considered to be the most applicable route for this test material.

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‡ To be added in a protocol addendum.

\+ Based on the selection of one male and one female offspring from each litter. Where this number cannot be achieved, an additional selection from a viable litter will be performed. This will be identified in the raw data.

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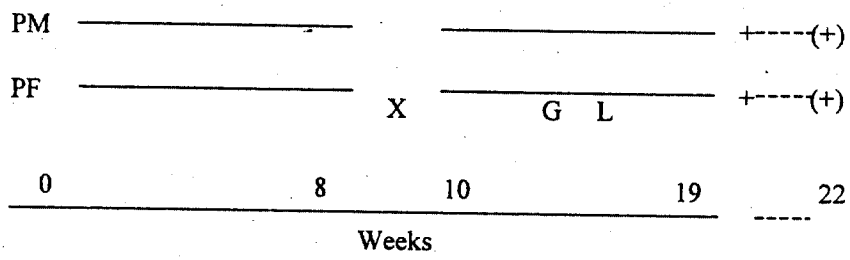
Appendix 45 (continued) Protocol and Protocol Amendments

Proof of absorption

This study is not designed to show any proof of absorption.

Chronological Sequence of Study

The P males and females will be maintained for a minimum of 10 weeks. The animals are paired and allowed to mate and produce one litter (F_1a). A second litter (F_1b) may be produced by the parental generation if unusual or inconclusive results are obtained.



9. OBSERVATIONS

Morbidity/Mortality Inspection

Twice daily during normal working week. Once daily at weekends and public holidays.

Clinical observations

Daily, in the morning prior to and 1 hour after dosing.

PM = Parental Male
\+ = Necropsy
(+) = Necropsy (selected offspring)
PF = Parental Female
X = Mating
G = Gestation
L = Lactation

Appendix 45 (continued) Protocol and Protocol Amendments

Bodyweight

Weekly; except for females during gestation and lactation (Days 1, 4, 7, 14 and 21 *post coitum* and *post partum* respectively). A terminal bodyweight will be recorded prior to necropsy.

Selected offspring will be weighed weekly and on the day of completion of sexual development.

Food consumption

Males and females weekly prior to mating. Male food consumption will be recorded during the post mating period.

Females on specific gestation Days 1 to 7, 7 to 14 and 14 to 21. Lactation Days 1 to 7, 7 to 14 and 14 to 21.

Oestrous Cycle Assessment

Vaginal smears will be taken by vaginal lavage, daily for 3 weeks prior to mating for P generation females. The smears will be dried and then stained with Giemsa stain. The stage of the oestrous cycle will be recorded for each smear.

Mating

One male and one female paired for up to 3 weeks. For females, stage of the oestrous cycle will be recorded during this period. Mating confirmed by the presence of sperm in a vaginal smear. The day on which sperm are observed is taken as Day 0 of gestation. Smearing of individual females discontinued when sperm are found. Males are then returned to their original cages.

If a second mating is conducted in the parental generation this will be at least 2 weeks after weaning the first litters. Alternative pairings from the first mate will be employed and, where possible, non-productive animals will be paired with fertile animals.

Pregnancy and Parturition

For each pregnant female the following will be recorded:

i) Date of mating

Appendix 45 (continued) Protocol and Protocol Amendments

ii) Date of parturition

iii) Duration of gestation

Offspring Identification

On day 1 *post partum* all offspring will be identified with a subcutaneous injection of ink into one or more paws.

Litter Data

For each litter the following will be recorded:

i) Number of pups born

ii) Number and sex of pups alive recorded daily and reported on Days 1, 4, 7, 14 and 21 post partum. The sex of pups will be recorded on Day 1 and 21 post partum.

iii) Clinical condition of pups from birth to weaning

iv) Individual offspring bodyweights on Days 1, 4, 7, 14 and 21 post partum

v) Necropsy findings of dead pups

vi) Physical development of pups as assessed by intra-litter onset and duration of pinna unfolding, incisor eruption and eyelid separation

vii) Surface righting reflex on Day 1, post partum and air righting reflex on Day 17 post partum.

viii) Pupillary reflex and auditory startle response on Day 21 post partum

ix) Selected male and female offspring evaluated daily from Day 21 of lactation for evidence of sexual development (Balano-preputial separation for males, and vaginal separation for females).

Selection of offspring

Selection of 28 males and 28 females per group from Day 21 of lactation. Pups selected randomly within litters. Generally 1 male and 1 female will be selected from each viable litter. A second male and/or

female may be used if sufficient litters are not available. Selected offspring will be initially evaluated for sexual development but may also form a second generation, if required.

10. POST MORTEM STUDIES

P males

Killed and necropsied after the F_1a litters are weaned or after the second mating period if a second mating litter (F_1b) is required.

P females

Killed and necropsied after weaning the F_1a pups or after weaning the F_1b pups if a second litter is required.

F_1a offspring

Pups not selected for the assessment of sexual development killed and necropsied after selection is completed. Selected offspring will be killed and necropsied after completion of observations (or sexual development).

Incidental deaths/Kills

Moribund animals or any female with dystocia will be killed and necropsied. Dead animals will also be necropsied.

Mode of death

All adults and both selected and unselected offspring by carbon dioxide asphyxiation followed by cervical dislocation.

All other animals by a subcutaneous injection of sodium pentobarbitone solution.

Appendix 45 (continued) Protocol and Protocol Amendments

Necropsy

Macroscopic examination for structural or pathological changes. Particular attention paid to the reproductive organs of parental animals. For all adult P generation females a vaginal smear will be taken at necropsy.

Organ Weights

The following will be weighed from all P generation adults where appropriate.

Paired organs will be weighed together, with the exception of testes and epididymides.

Adrenals	Prostate
Brain	Testes
Kidneys	Thymus
Liver	Uterus (including oviducts and cervix)
Ovaries	Epididymides
Pituitary gland	Spleen
Seminal vesicles (with coagulating gland and fluids)	Target Organs

Offspring

1 male and 1 female offspring from each viable litter at termination of adults will have the following organs weighed:

Brain
Spleen
Thymus

Sperm Analysis

For all P generation adult males, the following procedures will be performed at necropsy.

i) The left testis and epididymis will be removed, dissected from connective tissue and weighed separately.

Appendix 45 (continued) Protocol and Protocol Amendments

ii) For the testis, the tunica albuginea will be removed and the testicular tissue stored frozen at approximately -20°C. At an appropriate later date the tissue will be thawed and homogenised in a suitable saline/detergent mixture. Samples of the homogenate will be examined microscopically to determine the numbers of homogenisation resistant spermatids present.

iii) For the epididymis the distal region will be incised and a sample of the luminal fluid is collected and transferred to a buffer solution for analysis of sperm motility and sperm morphology. A minimum of 200 individual sperm will be assessed using an automated semen analyser, to determine the numbers of motile, progressively motile and non motile sperm. The characteristics of motile sperm will also be identified using the computer assisted semen analyser. Computer assisted morphological assessment will be performed on a sample of semen that has been stained with a fluorescent stain. The analysis will perform morphometric analysis of individual sperm. This analysis will classify sperm as either abnormal or normal on the basis of morphological scores.

iv) The cauda epididymis will be separated from the body of the epididymis, and then weighed. The cauda epididymis will then be frozen at approximately -20°C. At an appropriate later date the tissue will be thawed and homogenised in an appropriate saline/detergent to determine the numbers of homogenisation resistant spermatids.

v) For both ii) and iv) above samples from Groups 1 and 4 will be evaluated in the first instance. If treatment related effects are seen examinations will be extended to all groups.

Tissues Preserved

From all parental animals.

Adrenal gland
Ovaries
*Uterus (with oviducts)
*Cervix
Vagina
Right Testis
Right Epididymides
Seminal Vesicles
Prostate
Coagulating gland
Pituitary gland
Lesions (target organs)+
Significant abnormalities

Tissues will be preserved in neutral buffered formalin with the exception of the testes with epididymides which will be preserved in Bouins fluid and replaced by 70% industrial methylated spirits after 48 hours.

Appendix 45 (continued) Protocol and Protocol Amendments

Any significant structural anomalies or potential target organ anomalies observed in any offspring will also be preserved in an appropriate fixative for histopathological examination.

Histology

Appropriate tissues will be embedded in paraffin wax BP (mp 56°C) sectioned at 5 um, stained with haematoxylin and eosin.

Histopathology

Tissues for the following adult P animals plus one male and one female offspring from each litter will be examined at histopathology.

i) All control and high dose group animals.

ii) Any significant structural abnormalities preserved from all dose groups and control.

iii) Any tissue identified as a target organ from previous toxicity data will be examined in the control and high dose groups initially and extended to the lower dose groups once confirmation of the target organ effect has been established.

iv) Any target organs identified during the course of the study will be examined in all dose groups.

v) All animals from any dose group that fail to produce a pregnancy.

The following tissues will be examined:

Males

Adrenal glands
Pituitary gland
Prostate
Seminal vesicles (with coagulating gland)
Identified target organs
Significant structural abnormalities
Right Testis and epididymis

Special attention will be paid to the testis to evaluate the presence of anomalies such as missing germ layers, sloughing of spermatogenic cells into the lumen or retained spermatids. Evaluation of the epididymis will include the cauda, caput and corpus in order to identify lesions such as granulomata or leucocytic infiltration.

Females

Adrenal glands
Pituitary gland
Uterus with cervix and oviducts
Vagina
Identified target organs
Significant structural abnormalities
Ovaries

Special attention will be paid to the ovary in order to assess the proportion of follicle types.

11. DATA EVALUATION

Group means, standard deviations and reproductive indices (Appendix 1).

Where appropriate the data will be statistically analysed using either of the following procedures:

i) Levenes test for homogeneity of group variances followed by one way analysis of variance (ANOVA). Pair wise comparison where significance is seen at ANOVA. For homogenous group variances Dunnetts multiple comparison test will be performed. For heterogenous group variances Dunnetts T3 multiple comparison test will be performed.

ii) Kruskall-Wallis non parametric one way analysis of variance followed by pairwise comparison using Mann Whitney 'U' test.

iii) Where relevant reproductive indices will be analysed using chi-square or Fisher exact test.

12. QUALITY ASSURANCE

This protocol will be reviewed for GLP compliance and the final report will be audited by Safepharm Quality Assurance Unit. Study procedures will be inspected in accordance with QAU Standard Operating Procedures.

Appendix 45 (continued) Protocol and Protocol Amendments

13. PROTOCOL AMENDMENTS

Amendments to protocol will be made only by completion of an amendment to protocol form authorised by the Study Director.

14. REPORT

The Sponsor will be informed immediately of all relevant findings. A full report containing a description of the test material, detailed description of the experimental procedures, summary of the observations together with tabulated group mean and individual animal data, discussion and interpretation of the results will be presented. A draft report will be sent to the Sponsor for review and comments before issue of the final report.

15. ARCHIVE

Unless instructed otherwise by the Sponsor, all original data and the final report will be retained in the Safepharm archives for five years, after which instructions will be sought as to further retention or disposal. Further retention or return of the data will be chargeable to the Sponsor.

The histology phase will be audited in accordance with Test Site QA Standard Operating Procedures.

16. REPORT

The Sponsor will be informed immediately of all relevant findings. A full report containing a description of the test material, detailed description of the experimental procedures, summary of the observations together with tabulated group mean and individual animal data, discussion and interpretation of the results will be presented. A draft report will be sent to the Sponsor for review and comments before issue of the final report.

17. ARCHIVE

Unless instructed otherwise by the Sponsor, all original data and the final report will be retained in the Safepharm archives for five years, after which instructions will be sought as to further retention or disposal. Further retention or return of the data will be chargeable to the Sponsor.

Appendix 45 (continued) Protocol and Protocol Amendments

Appendix 1 Reproductive Indices

$$\text{Mating Index} = \frac{\text{Number of animals mated}}{\text{Number of animals paired}} \times 100$$

$$\text{Pregnancy Index} = \frac{\text{Number of pregnant females}}{\text{Number of animals paired}} \times 100$$

$$\text{Parturition Index} = \frac{\text{Number of females delivering live pups}}{\text{Number of pregnant females}} \times 100$$

$$\text{Live Birth Index} = \frac{\text{Number of pups alive on Day 1}}{\text{Number of pups born}} \times 100$$

$$\text{Viability Index 1} = \frac{\text{Number of pups alive on Day 4}}{\text{Number of pups alive on Day 1}} \times 100$$

$$\text{Viability Index 2} = \frac{\text{Number of pups alive on Day 7}}{\text{Number of pups alive on Day 4}} \times 100$$

$$\text{Viability Index 3} = \frac{\text{Number of pups alive on Day 14}}{\text{Number of pups alive on Day 7}} \times 100$$

$$\text{Viability Index 4} = \frac{\text{Number of pups alive on Day 21}}{\text{Number of pups alive on Day 14}} \times 100$$

$$\text{Viability Index 5} = \frac{\text{Number of viable pups at weaning}}{\text{Number of pups on Day 1}} \times 100$$

% Male pups (Sex Ratio) at birth will be calculated as follows:

$$\frac{\text{Number of male pups}}{\text{Number of pups of determined sex}} \times 100$$

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Appendix 45 (continued) Protocol and Protocol Amendments

RESPONSIBLE PERSONNEL

PROJECT NUMBER	**703/256**	**ISSUE NUMBER 1**

HOME OFFICE PROJECT LICENCE NUMBER PPL 40/1663

TITLE	NAME	REPLACEMENT DATE
STUDY DIRECTOR	E WOOD	
STUDY PATHOLOGIST	J P FINN	
PROJECT LICENCE HOLDER	E WOOD	
ANIMAL HUSBANDRY	M L LJUBOJEVIC	
ANIMAL HEALTH	M L LJUBOJEVIC	
POST MORTEM STUDIES	S S WALKER	
HISTOLOGY		
: LABORATORY	PRECISION HISTOLOGY INTERNATIONAL	
: PRINCIPAL INVESTIGATOR	J P FINN	
FORMULATION	S S WALKER	
CHEMICAL ANALYSIS	-	
DATA PROCESSING	J E TAGUE	

QUALITY ASSURANCE		
TEST FACILITY	J R PATEMAN	
TEST SITE		

PROPOSED DATES			
ANIMALS ON SITE	JUNE 2001	STUDY TERMINATION	JANUARY 2002
FIRST TREATMENT	JULY 2001	DRAFT REPORT	END OF MAY 2002

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Appendix 45 (continued) Protocol and Protocol Amendments

SAFEPHARM LABORATORIES LIMITED

AMENDMENT TO PROTOCOL

AMENDMENT NUMBER:	1
PROTOCOL TITLE:	Oral Gavage One Generation Reproduction Study in the Rat
TEST MATERIAL:	SP7077
PROJECT NUMBER:	703/256
SPONSORS REFERENCE:	[ ]
SPONSOR:	

AMENDMENT

This amendment details the procedure for preparation of the test material/vehicle formulations for this study.

Step 1. The test material container is weighed before use using an electronic balance capable of weighing (in grams) to 2 or 3 decimal places. For this study, recordings are made to 2 decimal places.

Step 2. The test material container is placed in a water bath at 50 degrees Celsius for up to 10 minutes, to reduce the viscosity.

Step 3. The test formulation containers are pre-measured and marked to identify the appropriate final volume of test material and vehicle formulation. This is repeated for each dose level.

Step 4. The appropriate aliquot (by weight, to 2 decimal places) of test material is weighed into the correct formulation container, for each dose level. The balance used is the same as that used for Step 1.

Step 5. The formulation container for each dose level is placed in the water bath at 50 degrees Celsius for approximately 5 to 10 minutes.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

Step 6.	Starting with the low dose level, an equivalent volume of vehicle (to that of test material) is added to the test material. This is then mixed using a spatula. More vehicle is added and mixing is continued with the spatula. Any test material attached to the spatula is removed by the process of mixing. Vehicle is added until the appropriate final volume is reached. The spatula is checked to ensure no residual test material remains; any remaining test material is removed by a continuation of the mixing process.
Step 7.	The formulation container is removed from the water bath and the formulation is mixed thoroughly using a Sliverson Homogeniser for a minimum of 2 minutes.
Step 8.	Steps 6 and 7 are repeated for the intermediate and high dose levels.
Step 9.	The test material container is weighed using the same balance as for Steps 1 and 4. The test material usage is calculated.
Step 10.	The test material suspensions will be maintained on a magnetic stirrer during the period covering the daily dosing procedure.
Rationale:	To identify the appropriate formulation method for this particular study.

AUTHORISED BY: _____ DATE: 19 July 2001
Eric Wood CBiol MiBiol
Head of Reproductive Toxicology

APPROVED FOR SPONSOR BY: DATE: 23 July 2001

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

SAFEPHARM LABORATORIES LIMITED

AMENDMENT TO PROTOCOL

AMENDMENT NUMBER: TWO

PROTOCOL TITLE: ORAL GAVAGE ONE GENERATION REPRODUCTION STUDY IN THE RAT

TEST MATERIAL: SP7077

PROJECT NUMBER: 703/256

SPONSOR:

AMENDMENTS:

Following consultation with the Sponsor, the study is revised to include evaluation of a second generation. The following amendments are therefore necessary to the protocol. The general procedures regarding the test material, animal husbandry and dose groups will be detailed in the study protocol.

1. Protocol Page 1 STUDY TITLE

The title of the study is now as follows:

SP7077 : ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

2. Protocol Page 2 – INTRODUCTION AND OBJECTIVES

The revisions to the protocol are designed in order to comply with the following testing guidelines:

i) OECD Guidelines for the Testing of Chemicals, Section 4: Health Effects, Test Guideline No. 416. Adopted January 2001.

ii) United States Environmental Protection Agency, Health Effects Test Guidelines OPPTS 870.3800 "Reproduction and Fertility Effects". Adopted August 1998.

3. Protocol Page 8 – STUDY DESIGN: Administration

The administration of the test material to selected F_1 animals will continue from weaning for a minimum of ten weeks prior to mating and subsequently, throughout mating, gestation and lactation phases for the F_1 generation.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

4. Protocol Page 9 – STUDY DESIGN: Chronological/Sequence of Study

Following production of one litter/pairing/dose group, offspring will be selected to form the next generation (F_1). The F_1 generation will be maintained for ten weeks prior to mating and then subsequently throughout mating, gestation and lactation.

Protocol Page 9 – OBSERVATIONS

The following observations will be performed for F_1 adults and their offspring plus additional observations for the P generation animals.

Morbidity/Mortality Inspection

Twice daily during normal working week. Once daily at weekends and public holidays.

Clinical observations

Daily, in the morning prior to and 1 hour after dosing. An additional observation will be performed immediately after dosing for both P and F_1 generation animals.

Bodyweight

Weekly: except for females during gestation and lactation (Days 1, 4, 7, 14 and 21 *post coitum* and *post partum* respectively). A terminal bodyweight will be recorded prior to necropsy.

Food consumption

Males and females weekly prior to mating. Male food consumption will be recorded during the post mating period.

Females on specific gestation Days 1 to 7, 7 to 14 and 14 to 21. Lactation Days 1 to 7, 7 to 14 and 14 to 21.

Oestrous Cycle Assessment

Vaginal smears will be taken by vaginal lavage, daily for 3 weeks prior to mating for F_1 generation females. The smears will be dried and then stained with Giemsa stain. The stage of the oestrous cycle will be recorded for each smear.

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Appendix 45 (continued) Protocol and Protocol Amendments

Mating

One male and one female paired for up to 3 weeks. For females, stage of the oestrous cycle will be recorded during this period. Mating confirmed by the presence of sperm in a vaginal smear. The day on which sperm are observed is taken as Day 0 of gestation. Smearing of individual females discontinued when sperm are found. Males are then returned to their original cages.

If a second mating is conducted in the parental generation this will be at least 2 weeks after weaning the first litters. Alternative pairings from the first mate will be employed and, where possible, non-productive animals will be paired with fertile animals.

Pregnancy and Parturition

For each pregnant female the following will be recorded:

i) Date of mating

ii) Date of parturition

iii) Duration of gestation

Offspring Identification

On day 1 *post partum* all offspring will be identified with a subcutaneous injection of ink into one or more paws.

Litter Data

For each litter the following will be recorded:

i) Number of pups born

ii) Number and sex of pups alive recorded daily and reported on Days 1, 4, 7, 14 and 21 *post partum*. The sex of pups will be recorded on Day 1 and 21 *post partum*.

iii) Clinical condition of pups from birth to weaning

iv) Individual offspring bodyweights on Days 1, 4, 7, 14 and 21 *post partum*

v) The ano-genital distance of all offspring will be measured at day 1 *post partum*.

vi) Necropsy findings of dead pups

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Appendix 45 (continued) Protocol and Protocol Amendments

vii) Physical development of pups as assessed by intra-litter onset and duration of pinna unfolding, incisor eruption and eyelid separation

viii) Surface righting reflex on Day 1, *post partum* and air righting reflex on Day 17 *post partum*.

ix) Pupillary reflex and auditory startle response on Day 21 *post partum*

POST MORTEM STUDIES

F_1 males

Killed and necropsied after the F_1a litters are weaned or after the second mating period if a second mating litter (F_1b) is required.

F_1 females

Killed and necropsied after weaning the F_1a pups or after weaning the F_1b pups if a second litter is required.

F_2a offspring

Pups at or around day 21 *post partum* will be killed and necropsied after completion of observations (or sexual development).

Incidental deaths/Kills

Moribund animals or any female with dystocia will be killed and necropsied. Dead animals will also be necropsied.

Mode of death

All adults and both selected and unselected offspring by carbon dioxide asphyxiation followed by cervical dislocation.

All other animals by a subcutaneous injection of sodium pentobarbitone solution.

Necropsy

Macroscopic examination for structural or pathological changes. Particular attention paid to the reproductive organs of parental animals. For all adult F_1 generation females a vaginal smear will be taken at necropsy.

Organ Weights

The following will be weighed from all P and F_1 generation adults where appropriate.

Paired organs will be weighed together, with the exception of testes and epididymides.

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Appendix 45 (continued) Protocol and Protocol Amendments

Adrenals
Brain
Kidneys
Liver
Ovaries
Pituitary gland
Seminal vesicles (with coagulating gland and fluids)
Prostate
Testes
Thymus
Uterus (including oviducts and cervix)
Epididymides
Spleen
Thyroid gland
Target Organs

Offspring

One male and one female offspring from each viable litter at termination of adults will have the following organs weighed:

Brain
Spleen
Thymus

Sperm Analysis

For all F_1 generation adult males, the following procedures will be performed at necropsy.

i) The left testis and epididymis will be removed, dissected from connective tissue and weighed separately.

ii) For the testis, the tunica albuginea will be removed and the testicular tissue stored frozen at approximately -20°C. At an appropriate later date the tissue will be thawed and homogenised in a suitable saline/detergent mixture. Samples of the homogenate will be examined microscopically to determine the numbers of homogenisation resistant spermatids present.

iii) For the epididymis the distal region will be incised and a sample of the luminal fluid is collected and transferred to a buffer solution for analysis of sperm motility and sperm morphology. A minimum of 200 individual sperm will be assessed using an automated semen analyser, to determine the numbers of motile, progressively motile and non motile sperm. The characteristics of motile sperm will also be identified using the computer assisted semen analyser. Computer assisted morphological assessment will be performed on a sample of semen that has been stained with a fluorescent stain. The analysis will perform morphometric analysis of individual sperm. This analysis will classify sperm as either abnormal or normal on the basis of morphological scores.

iv) The cauda epididymis will be separated from the body of the epididymis, and then weighed. The cauda epididymis will then be frozen at approximately -20°C. At an appropriate later date the tissue will be thawed and homogenised in an appropriate saline/detergent to determine the numbers of homogenisation resistant spermatids.

v) For both ii) and iv) above samples from Groups 1 and 4 will be evaluated in the first instance. If treatment related effects are seen examinations will be extended to all groups.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

Tissues Preserved

From all parental animals (P and F_1 generation)

Adrenal gland
Ovaries
*Uterus (with oviducts)
*Cervix
Vagina
Right Testis
Right Epididymides
Seminal Vesicles
Prostate
Coagulating gland
Pituitary gland
Lesions (target organs)
Significant abnormalities

Tissues will be preserved in neutral buffered formalin with the exception of the testes with epidiymides which will be preserved in Bouins fluid and replaced by 70% industrial methylated spirits after 48 hours.

Any significant structural anomalies or potential target organ anomalies observed in any offspring will also be preserved in an appropriate fixative for histopathological examination.

Histology

Appropriate tissues will be embedded in paraffin wax BP (mp 56°C) sectioned at 5 um, stained with haematoxylin and eosin.

Histopathology

Tissues for the following adult P and F_1 animals will be examined at histopathology.

i) All control and high dose group animals.

ii) Any significant structural abnormalities preserved from all dose groups and control.

iii) Any tissue identified as a target organ from previous toxicity data will be examined in the control and high dose groups initially and extended to the lower dose groups once confirmation of the target organ effect has been established.

iv) Any target organs identified during the course of the study will be examined in all dose groups.

v) All animals from any dose group that fail to produce a pregnancy.

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

The following tissues will be examined:

Males

Adrenal glands
Pituitary gland
Prostate
Seminal vesicles (with coagulating gland)
Identified target organs
Significant structural abnormalities
Right Testis and epididymis

Special attention will be paid to the testis to evaluate the presence of anomalies such as missing germ layers, sloughing of spermatogenic cells into the lumen or retained spermatids. Evaluation of the epididymis will include the cauda, caput and corpus in order to identify lesions such as granulomata or leucocytic infiltration.

Females

Adrenal glands
Pituitary gland
Uterus with cervix and oviducts
Vagina
Identified target organs
Significant structural abnormalities
Ovaries

Special attention will be paid to the ovary in order to assess the proportion of follicle types. For ten post lactation F_1 females, selected randomly from control and high dose groups, a series of serial sections of the ovaries will be prepared histologically and a quantitative assessment of follicle number. The follicles will be divided into small, growing and antral types. If treatment related changes are observed, the remaining post lactational females from the control and high dose groups will have similar assessments performed, followed by the remaining dose groups.

Rationale : The addition of the next generation is following consultation with the Sponsor and is due to a change in regulatory requirement.

AUTHORISED FOR SAFEPHARM LABORATORIES LIMITED BY: ..... DATE: 11 September 2001

Eric Wood CBiol MIBiol
HEAD OF REPRODUCTIVE TOXICOLOGY

APPROVED FOR SPONSOR BY: ..... DATE: 11 January 2002

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 45 (continued) Protocol and Protocol Amendments

SAFEPHARM LABORATORIES LIMITED

AMENDMENT TO PROTOCOL

AMENDMENT NUMBER: 3

PROTOCOL TITLE: Oral Gavage Two Generation Reproduction Study in the rat

TEST MATERIAL: SP7077

PROJECT NUMBER: 703/256

SPONSOR:

AMENDMENT:

Protocol Page 8 – STUDY DESIGN

In error the dose levels, dose volumes and vehicle were not specified during the course of the study. These are as follows:

DOSE GROUP	DESIGNATION	DOSE LEVEL mg/kg	DOSE VOLUME ml/kg	CONCENTRATION mg/ml
1	CONTROL	0	5	0
2	LOW	5	5	1
3	INTERMEDIATE	30	5	6
4	HIGH	150	5	30

The vehicle for this study was corn oil.

Rationale: Dose level selection was following consultation with the study sponsor and evaluation of the results of repeated dose toxicity studies in the rat.

AUTHORISED FOR SAFEPHARM LABORATORIES LIMITED BY: ..... DATE: 10. April 2002.

E Wood CBiol, MIBiol
Head of Reproductive Toxicology

APPROVED FOR SPONSOR BY: [ ] ..... DATE: 15 April 2002

amendment/100401/cs

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 46 Summary of Protocol Deviations

File Note	Summary of Action
1	Change of "confirmation of death" of procedure from cervical dislocation to exsanguination
2	Additional procedure at necropsy of adult females. Staining of uterus with ammonium polysulphide and counting of implantation sites.

Appendix 47 Background Control Data for Litter Parameters

Group	Dose Level (mg/kg/day)		Number Born	Day *post partum*					
				1	4	7	14	21	Total Implantation Count
1	0	Mean	13.5	13.3	13.5	13.4	13.2	13.2	
		SD	3.0	3.9	3.1	3.1	3.0	3.0	
		N	28	28	27	27	27	27	
		Mean	14.4	14.2	13.9	13.8	13.5	13.5	
		SD	2.4	2.6	2.5	2.5	2.5	2.5	
		N	27	27	27	27	27	27	
		Mean	14.6	14.2	14.1	8.0*	8.0	8.0	
		SD	2.1	2.0	2.0	0.0	0.2	0.2	
		N	26	26	26	26	26	25	
		Mean	15.1	14.8	14.2	7.8*	7.6	7.6	16.0
		SD	1.7	2.1	2.7	0.7	1.0	1.0	3.5
		N	21	21	21	21	21	21	22
		Mean	13.0	12.3	11.1	7.3*	7.3	7.3	14.2
		SD	3.9	3.5	4.1	1.8	1.8	1.8	3.5
		N	30	29	24	24	24	24	25
		Mean	13.6	13.4	13.2	7.6*	7.4	7.5	13.3
		SD	3.4	3.2	3.4	1.2.	1.2	1.2	3.5
		N	24	24	23	23	23	23	22

* = litters standardised to litter size of 8 at Day 4

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 48 Temperature and Humidity Variations

Date	Study day	Room	Temperature variation	Temperature	Humidity variation	Humidity
26.7.01	16	259	+1	24	-	-
27.7.01	17	259	+1	24	-	-
30.7.01	20	259	-	-	+2	72%
2.8.01	23	259	+2	25	-	-
13.8.01	34	259	-	-	+2	72%
14.8.01	35	259	-	-	+4	74%
18.8.01	39	259	+1	24	-	-
19.8.01	40	259	+1	24	-	-
20.8.01	41	259	+2 -1	25 18	-	-
21.8.01	42	259	+1	24	-	-
23.8.01	44	259	+1	24	+1	71%
24.8.01	45	259	+2	25	+2	72%
25.8.01	46	259	+1	24	-	-
28.8.01	49	259	+2 -1	25 18	-	-
29.8.01	50	259	+2 -1	25 18	-	-
30.8.01	51	259	+2	25	-	-
31.8.01	52	259	+2	25	-	-
3.9.01	55	259	+1	24	-	-
4.9.01	56	259	+2	25	-	-
5.9.01	57	259	+1	24	-	-
6.9.01	58	259	+2	25	-	-
8.9.01	60	259	+1	24	-	-
9.9.01	61	259	+2	25	-	-
10.9.01	62	259	+1	24	-	-
11.9.01	63	259	+1	24	-	-
12.9.01	64	259	+2	25	-	-
13.9.01	65	259	+2	25	-	-
14.9.01	66	259	+2 -1	25 18	-	-
17.9.01	69	259	+1 -2	24 17	-	-
18.9.01	70	259	+1 -1	24 18	-	-
19.9.01	71	259	+2	25	-	-
20.9.01	72	259	+2	25	-	-
21.9.01	73	259	+2	25	-	-
23.9.01	75	259	+2 -1	25 18	-	-
24.9.01	76	259	+2 -1	25 18	-	-
25.9.01	77	259	+2	25	-	-
26.9.01	78	259	+2 -1	25 18	-	-

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 48 (continued) Temperature and Humidity Variations

Date	Study day	Room	Temperature variation	Temperature	Humidity variation	Humidity
27.9.01	79	259	+1 -1	24 18	-	-
24.9.01	77	257	-1	18	-	-
25.9.01	77	257	-1	18	-	-
28.9.01	80	257	-1	18	-	-
2.10.01	84	257	-1	18	-	-
28.9.01	80	259	+2 -2	25 17	-	-
3.10.01	85	259	+1 -1	24 18	-	-
4.10.01	86	259	+1 -1	24 18	-	-
5.10.01	87	259	+1	24	-	-
6.10.01	88	259	+1	24	-	-
8.10.01	90	259	+1 -1	24 18	-	-
9.10.01	91	259	-1	18	-	-
10.10.01	92	259	+1 -1	24 18	-	-
11.10.01	93	259	+1 -1	24 18	-	-
14.10.01	96	259	+1	24	-	-
20.10.01	102	259	+1	24	-	-
23.10.01	105	259	+1	24	-	-
29.10.01	111	259	+2 -1	25 18	-	-
30.10.01	112	259	+1 -1	24 18	-	-
31.10.01	113	259	+1 -1	24 18	-	-
1.11.01	114	259	+1 -1	24 18	-	-
2.11.01	115	259	+1 -1	24 18	-	-
3.11.01	116	259	-1	18	-	-
4.11.01	117	259	-1	18	-	-
6.11.01	119	259	+1 -1	24 18	-	-
8.11.01	121	259	+1	24	-	-
9.11.01	122	259 257	+1 -2	24 17	- 38	-
12.11.01	125	259	+1 -1	24 18	-	-
19.11.01	132	259	-1	18	-	-
20.11.01	133	259	-2	17	-	-
29.9.01	81	257	-	-	+2	72%

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 48 (continued) Temperature and Humidity Variations

Date	Study day	Room	Temperature variation	Temperature	Humidity variation	Humidity
29.10.01	111	257	-1	18	-	-
30.10.01	112	257	-3	16	-	-
31.10.01	113	257	-1	18	-	-
1.11.01	114	257	-1	18	-	-
2.11.01	115	257	-1	18	-	-
3.11.01	116	257	-1	18	-	-
4.11.01	117	257	-1	18	-	-
7.11.01	120	257	-1	18	-	-
9.11.01	122	257			-2	38%
11.11.01	124	257	-1	18	-	-
12.11.01	125	257	-1	18	-	-
15.11.01	128	257	-1	18	-	-
21.1.02	195	258	-1	18	-	-
3.2.02	208	258	-1	18	-	-
16.2.02	221	258	-1	18	-	-

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

Queens Road, Penkhull
Stoke-on-Trent ST4 7LQ
Tel: +44 (0) 1782 [illegible]
Fax: +44 (0) 1782 412031
E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

DATESAND LTD
PO BOX 45
MANCHESTER
M11 1XE
FAO : J WOOD

REPORT OF TESTS ON WOOD FLAKES

Your Reference	DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES:- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS
Ceram Sample(s)	601005009

Date Reported	10-Apr-01	Order/Job No	NONE
Date Received	02-Mar-01	Date(s) of Test(s)	05/20-Mar-01

ANALYSIS

Salmonella	Not detected

KM Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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Appendix 49 (continued) Wood Bedding Certificate of Analysis

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http://www.ceram.co.uk

TEST REPORT

DATESAND LTD
PO BOX 45
MANCHESTER
M11 1XE
FAO : J WOOD

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES:- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS

Ceram Sample(s) 601005C09

Date Reported	10-Apr-01	Order/Job No	NONE
Date Received	02-Mar-01	Date(s) of Test(s)	23-Mar/06-Apr-01

ANALYSIS

Copper (Cu)	<5 (<1)
Lead (Pb)	<10 (3)

Results quoted as ppm.

KM Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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Appendix 49 (continued) Wood Bedding Certificate of Analysis

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TEST REPORT

DATESAND LTD
PO BOX 45
MANCHESTER
M11 1XE
FAO : J WOOD

REPORT OF TESTS ON WOOD FLAKES

Your Reference: DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES:- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS

Ceram Sample(s): 601005009

Date Reported	10-Apr-01	Order/Job No	NONE
Date Received	02-Mar-01	Date(s) of Test(s)	23-Mar/06-Apr-01

ANALYSIS

CAS Number		
12674-11-2	Aroclor 1016	
11104-28-2	Aroclor 1221	
11141-16-5	Aroclor 1232	
53469-21-9	Aroclor 1242	
12672-29-6	Aroclor 1248	
11097-69-1	Aroclor 1254	
11096-82-5	Aroclor 1260	
	Total	< 1

Calculated against Aroclor 1254.

Results quoted as µg/kg.

K M Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

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TEST REPORT

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FAO : J WOOD

REPORT OF TESTS ON WOOD FLAKES

Your Reference	DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES.- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS
Ceram Sample(s)	601005009

Date Reported	10-Apr-01	Order/Job No	NONE
Date Received	02-Mar-01	Date(s) of Test(s)	23-Mar/06-Apr-01

ANALYSIS

CAS Number		
87-86-5	Pentachlorophenol	< 1

Results quoted as µg/kg.

Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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Appendix 49 (continued) Wood Bedding Certificate of Analysis

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TEST REPORT

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MANCHESTER
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FAO : J WOOD

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES:- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS

Ceram Sample(s) 601005009

Date Reported 10-Apr-01 Order/Job No NONE
Date Received 02-Mar-01 Date(s) of Test(s) 23-Mar'06-Apr-01

ANALYSIS

CAS Number		
62-73-7	Dichlorvos	< 1
7786-34-7	Mevinphos	< 1
298-02-2	Phorate	< 1
319-84-6	Alpha-BHC	< 1
319-85-7	Beta-BHC	< 1
58-89-9	Gamma-BHC	< 1
333-41-5	Diazinon	< 1
298-04-4	Disulfoton	< 1
319-86-8	Delta-BHC	< 1
298-00-0	Methyl Parathion	< 1
76-44-8	Heptachlor	< 1
122-14-5	Fenitrothion	< 1
121-75-5	Malathion	< 1
309-00-2	Aldrin	< 1

Results quoted as µg/kg.

Dr KM Johnson
Authorised Signatory

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Appendix 49 (continued) Wood Bedding Certificate of Analysis

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TEST REPORT

DATESAND LTD
2 FERNDALE ROAD
BROOKLANDS
SALE
CHESHIRE
FAO : NONE

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 106, 5 MESH, 10 MESH 1200MF GRADE 6 & DUST FREE SHAVINGS

Ceram Sample(s) 601020335

Date Reported	16-Oct-01	Order/Job No	NONE
Date Received	25-Sep-01	Date(s) of Test(s)	27-Sep/11-Oct-01

ANALYSIS

Lead (Pb)	<10 (<5)
Copper (Cu)	<10 (<2)

Results quoted as ppm.

The above results are the mean of duplicate determinations.

End of Test Report

K M Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

Ceram Research Limited

Ceram Sample(s) 601005009
Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 104 GRADES:- 5 MESH, 10 MESH, 1200MF, GRADE 6 AND DUST FREE SHAVINGS

CAS Number		
56-38-2	Parathion	< 1
1024-57-3	Heptachlor Epoxide	< 1
959-98-8	Endosulfan I	< 1
72-55-9	4,4'-DDE	< 1
60-57-1	Dieldrin	< 1
72-20-8	Endrin	< 1
33213-65-9	Endosulfan II	< 1
72-54-8	4,4'-DDD	< 1
563-12-2	Ethion	< 1
53494-70-5	Endrin Ketone	< 1
50-29-3	4,4'-DDT	< 1
1031-07-8	Endosulfan Sulphate	< 1
72-43-5	Methoxychlor	< 1
86-50-0	Azinphos Methyl	< 1

Results quoted as µg/kg.

Dr KM Johnson
Authorised Signatory

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

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TEST REPORT

DATESAND LTD
2 FERNDALE ROAD
BROOKLANDS
SALE CHESHIRE
FAO : NONE

REPORT OF TESTS ON WOOD FLAKES

Your Reference - DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 106, 5 MESH, 10 MESH 1200MF GRADE 6 & DUST FREE SHAVINGS

Ceram Sample(s) 601020335

Date Reported 16-Oct-01 Order/Job No NONE
Date Received 25-Sep-01 Date(s) of Test(s) 27-Sep/11-Oct-01

ANALYSIS

CAS Number	Compound	Concentration µg/kg
117-18-0	Tecnazene	<1
1582-09-8	Trifluralin	<1
319-84-6	alpha-HCH (Lindane)	<1
118-74-1	Hexachlorobenzene	<1
319-85-7	beta-HCH (Lindane)	<1
58-89-9	gamma-HCH (Lindane)	<1
82-68-8	Quintozene (PCNB)	<1
2303-17-5	Triallate	<1
1897-45-6	Chlorothalonil	<1
76-44-8	Heptachlor	<1
309-00-2	Aldrin	<1
43121-43-3	Triadimefon	<1
40487-42-1	Pendimethalin	<1
1024-57-3	Heptachlor epoxide	<1
3424-82-6	o,p'-DDE	<1
959-98-8	Endosulfan I	<1
72-55-9	p,p'-DDE	<1
60-57-1	Dieldrin	<1
72-54-8	p,p'-TDE(DDD)	<1
72-20-8	Endrin	<1
33213-65-9	Endosulfan II	<1
53-19-0	o,p'-TDE	<1
789-02-6	o,p'-DDT	<1
50-29-3	p,p'-DDT	<1
1031-07-8	Endosulfan Sulphate	<1
72-43-5	o,p'-Methoxychlor	<1
72-43-5	p,p'-Methoxychlor	<1
52645-53-1	Permethrin	<1

End of Test Report

K M Johnson
Dr KM Johnson
Authorised Signatory

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INVESTOR IN PEOPLE

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

Queens Road Penkhull
Stoke-on-Trent ST4 7LQ
Tel. +44 (0) 1782 764[illegible]
Fax. +44 (0) 1782 412[illegible]
E-mail. info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

DATESAND LTD
2 FERNDALE ROAD
BROOKLANDS
SALE
CHESHIRE
FAO : NONE

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 106. 5 MESH, 10 MESH 1200MF GRADE 6 & DUST FREE SHAVINGS

Ceram Sample(s) 601020335

Date Reported 16-Oct-01 Order/Job No NONE
Date Received 25-Sep-01 Date(s) of Test(s) 27-Sep/11-Oct-01

ANALYSIS

CAS Number	Compound	
62-73-7	Dichlorvos	<1
26718-65-0	Mevinphos	<1
60-51-5	Dimethoate	<1
31218-83-4	Propetamphos	<1
331-41-5	Diazinon (Dimpylate)	<1
38260-54-7	Etrimphos	<1
5598-13-0	Chlorpyrifos-methyl	<1
298-00-0	Methyl Parathion	<1
29232-93-7	Pirimiphos methyl	<1
122-14-5	Fenitrothion	<1
121-75-5	malathion	<1
55-38-9	Fenthion	<1
2921-88-2	Chlorpyrifos	<1
56-38-2	Parathion	<1
470-90-6	Chlorfenvinphos	<1
563-12-2	Ethion	<1
24017-47-8	Triazophos	<1
786-19-6	Carbophenothion	<1
2310-17-0	Phosalone	<1
86-50-0	Azinphos methyl	<1
2642-71-9	Azinphos ethyl	<1
	Total	<1

Results quoted as µg/kg.

End of Test Report

Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

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E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

DATESAND LTD
2 FERNDALE ROAD
BROOKLANDS
SALE
CHESHIRE
FAO : NONE

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 106, 5 MESH, 10 MESH 1200MF GRADE 6 & DUST FREE SHAVINGS

Ceram Sample(s) 601020335

Date Reported	16-Oct-01	Order/Job No	NONE
Date Received	25-Sep-01	Date(s) of Test(s)	27-Sep/11-Oct-01

ANALYSIS

CAS Number	Compound	Concentration
87-86-5	Pentachlorophenol	<1

Results quoted as µg/kg.

End of Test Report

K M Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY **CERAM**

Queens Road Penkhull
Stoke-on-Trent ST4 7LQ
Tel: +44 (0) 1782 764444
Fax: +44 (0) 1782 412331
E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

DATESAND LTD
2 FERNDALE ROAD
BROOKLANDS
SALE
CHESHIRE
FAO : NONE

REPORT OF TESTS ON WOOD FLAKES

Your Reference	DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 106, 5 MESH, 10 MESH 1200MF GRADE 6 & DUST FREE SHAVINGS		
Ceram Sample(s)	601020335		
Date Reported	16-Oct-01	Order/Job No	NONE
Date Received	25-Sep-01	Date(s) of Test(s)	27-Sep/11-Oct-01

ANALYSIS

CAS Number		
12674-11-2	Aroclor 1016	
11104-28-2	Aroclor 1221	
11141-16-5	Aroclor 1232	
53469-21-9	Aroclor 1242	
12672-29-6	Aroclor 1248	
11097-69-1	Aroclor 1254	
11096-82-5	Aroclor 1260	
	Total	< 1

Calculated against Aroclor 1254.

Results quoted as µg/kg.

End of Test Report

K M Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY CERAM

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Fax: +44 (0) 1782 412233
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http://www.ceram.co.u

TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 0PE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107

Ceram Sample(s) 602000456

Date Reported	18-Feb-02	Order/Job No	NONE
Date Received	04-Jan-02	Date(s) of Test(s)	51-Jan/13-Feb-02

ANALYSIS

CAS Number 87-86-5	Pentachlorophenol	< 1 µg/kg

End of Test Report

20 FEB 2002

Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

Ceram Research Limited

Ceram Sample(s) 602000456
Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107

CAS Number	Compound	Concentration µg/kg
53-19-0	o,p'-TDE	< 1
789-02-6	o,p'-DDT	< 1
50-29-3	p,p'-DDT	< 1
1031-07-8	Endosulfan Sulphate	< 1
72-43-5	o,p'-Methoxychlor	< 1
72-43-5	p,p'-Methoxychlor	< 1
52645-53-1	Permethrin	< 1

End of Test Report

KM Johnson

Dr KM Johnson
Authorised Signatory

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY CERAM

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Fax: +44 (0) 1782 412331
E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 OPE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107

Ceram Sample(s) 602000456

Date Reported 18-Feb-02 Order/Job No NONE
Date Received 04-Jan-02 Date(s) of Test(s) 05-Jan/13-Feb-02

ANALYSIS

CAS Number	Compound	
62-73-7	Dichlorvos	< 1
26718-65-0	Mevinphos	< 1
60-51-5	Dimethoate	< 1
31218-83-4	Propetamphos	< 1
333-41-5	Diazinon (Dimpylate)	< 1
38260-54-7	Etrimphos	< 1
5598-13-0	Chlorpyrifos-methyl	< 1
298-00-0	Methyl Parathion	< 1
29232-93-7	Pirimiphos methyl	< 1
122-14-5	Fenitrothion	< 1
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470-90-6	Chlorfenvinphos	< 1
563-12-2	Ethion	< 1
24017-47-8	Triazophos	< 1
786-19-6	Carbophenothion	< 1
2310-17-0	Phosalone	< 1
86-50-0	Azinphos methyl	< 1
2642-71-9	Azinphos ethyl	< 1
	Total	< 1

Results quoted as µg/kg.

End of Test Report

Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY CERAM

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http://www.ceram.co

TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 0PE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107

Caram Sample(s) 602000456

Date Reported 18-Feb-02 Order/Job No NONE
Date Received 04-Jan-02 Date(s) of Test(s) 05-Jan/13-Feb-02

ANALYSIS

CAS Number		
12674-11-2	Aroclor 1016	
11104-28-2	Aroclor 1221	
11141-16-5	Aroclor 1232	
53469-21-9	Aroclor 1242	
12672-29-6	Aroclor 1248	
11097-69-1	Aroclor 1254	
11096-82-5	Aroclor 1260	
	Total	<1

Calculated against Aroclor 1254.

Results quoted as µg/kg.

End of Test Report

KM Johnson

Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

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TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 0PE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107
Ceram Sample(s) 602000456

Date Reported 19-Feb-02 Order/Job No NONE
Date Received 04-Jan-02 Date(s) of Test(s) 05/13-Feb-02

ANALYSIS

Method ICP

Copper (Cu)	<10 (<1)
Lead (Pb)	<10 (<2)

Results quoted as ppm.

The above results are the mean of duplicate determinations.

End of Test Report

KMJohnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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Appendix 49 (continued) Wood Bedding Certificate of Analysis

MELLING & ARDERN LTD.

451 LOWER BROUGHTON ROAD
SALFORD M7 2FX

TELEPHONE: 0161-792 1822
TELEFAX: 0161-792 8142

Directors:
F. GORTON (Secretary) M.CHEM.A. F.R.S.C. C.CHEM. A.I.F.S.T.
C. H. BAKER M.CHEM.A. F.R.S.C. C.CHEM. F.I.F.S.T.
M.I. BIOL. C.BIOL. M.I.W.E.M. M.INST.M.

PUBLIC ANALYSTS
AND CONSULTING SCIENTISTS

Mr Neil Daly
WTL International Ltd
Bosley
Nr Macclefield
Cheshire
SK11 0PE

Our Ref. 12/7024
Your Ref.
Date 1st March 2002

TEST CERTIFICATE

Sample Description		Sample Receipt Date	Analysis Start Date
7024.	Datesand Beta Bed Research Grave Wood Bedding Batch Lot 107 Grades 5 mesh, 10 mesh, 1200MF, Grade 6 & Dust Free Shavings	25.02.02	25.02.02

Test Performed		7024
Copper (Cu)	mg/Kg	<1
Lead (Pb)	mg/Kg	<0.1

Yours sincerely
for Melling and Ardern Ltd

F Gorton

page 1 of 1

SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY CERAM

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Fax: +44 (0) 1782 412331
E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 0PE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference	DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107		
Ceram Sample(s)	602000456		
Date Reported	13-Feb-02	Order/Job No	NONE
Date Received	04-Jan-02	Date(s) of Test(s)	05-Jan/13-Feb-02

ANALYSIS

Salmonella spp = Not Detected

End of Test Report

K M Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 1

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 49 (continued) Wood Bedding Certificate of Analysis

YOUR PARTNER IN MATERIALS AND TECHNOLOGY CERAM

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Fax: +44 (0) 1782 412331
E-mail: info@ceram.co.uk
http://www.ceram.co.uk

TEST REPORT

WTL INTERNATIONAL
BOSLEY
NR MACCLESFIELD
CHESHIRE
SK11 0PE
FAO : N DALY

REPORT OF TESTS ON WOOD FLAKES

Your Reference DATESAND BETA BED RESEARCH GRADE WOOD BEDDING BATCH 107
Caram Sample(s) 602000456

Date Reported 18-Feb-02 Order/Job No NONE
Date Received 04-Jan-02 Date(s) of Test(s) 51-Jan/13-Feb-02

ANALYSIS

CAS Number	Compound	Concentration µg/kg
117-18-0	Tecnazene	<1
1582-09-8	Trifluralin	<1
319-84-6	alpha-HCH (Lindane)	<1
118-74-1	Hexachlorobenzene	<1
319-85-7	beta-HCH (Lindane)	<1
58-89-9	gamma-HCH (Lindane)	<1
82-68-8	Quintozene (PCNB)	<1
2303-17-5	Triallate	<1
1897-45-6	Chlorothalonil	<1
76-44-8	Heptachlor	<1
309-00-2	Aldrin	<1
43121-43-3	Triadimefon	<1
40487-42-1	Pendimethalin	<1
1024-57-3	Heptachlor epoxide	<1
3424-82-6	o,p'-DDE	<1
959-98-8	Endosulfan I	<1
72-55-9	p,p'-DDE	<1
60-57-1	Dieldrin	<1
72-54-8	p,p'-TDE(DDD)	<1
72-20-8	Endrin	<1
33213-65-9	Endosulfan II	<1

KM Johnson
Dr KM Johnson
Authorised Signatory

Page No. 1 of 2

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SP 7077: ORAL GAVAGE TWO GENERATION REPRODUCTION STUDY IN THE RAT

Appendix 50 Statement of GLP Compliance in Accordance with Directive 88/320/EEC

THE DEPARTMENT OF HEALTH OF THE GOVERNMENT OF THE UNITED KINGDOM

GOOD LABORATORY PRACTICE

STATEMENT OF COMPLIANCE IN ACCORDANCE WITH DIRECTIVE 88/320 EEC

LABORATORY	TEST TYPE
SafePharm Laboratories Ltd **Shardlow Business Park** **London Road** **Shardlow** **Derbyshire** **DE72 2GD**	**Analytical Chemistry** **Environmental Fate** **Environmental Toxicity** **Mutagenicity** **Phys/Chem Tests** **Toxicology**

DATE OF INSPECTION
28 February 2000

A general inspection for compliance with the Principles of Good Laboratory Practice was carried out at the above laboratory as part of UK GLP Compliance Programme.

At the time of the inspection no deviations were found of sufficient magnitude to affect the validity of non-clinical studies performed at these facilities.

Roger G. Alexander
26/4/00

Dr. Roger G. Alexander
Head, UK GLP Monitoring Authority