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TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

PET

FINAL REPORT

Submitted to

Mobil Environmental and Health Sciences Laboratories

Princeton, New Jersey

February 9, 1982

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HAZLETON
LABORATORIES AMERICA, INC.

OFFICE OF QUALITY ASSURANCE

Project Title: Two-Week Gavage Administration of PET to Rats

Project No.: 230-235

Quality Assurance inspections of the study and review of the final report of the above referenced project were conducted according to the standard operating procedures of the Office of Quality Assurance and according to the general requirements of the Good Laboratory Practice regulations that were issued on December 22, 1978, by the Food and Drug Administration for compliance on and after June 20, 1979. Findings from the inspections and final report review were reported to management and to the study director on the following dates:

Inspections/Review	Findings Reported	Inspector/Reviewer
Study - 10/19,26,28/81	10/29/81	E. Prins
Final Report - 1/11-13/82	1/20/82	P. Runge

Frederick G. Snyder
Manager
Office of Quality Assurance

HAZLETON
LABORATORIES AMERICA, INC.

SUBJECT: Two-Week Gavage Administration of PET to Rats
Project No. 230-235

We, the undersigned, hereby declare that the work was performed under our supervision, according to the procedures herein described.

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HAZLETON
LABORATORIES AMERICA, INC.

SPONSOR: Mobil Environmental and Health Sciences Laboratories

DATE: February 9, 1982

MATERIAL: PET

SUBJECT: FINAL REPORT
Two-Week Gavage Administration of PET to Rats
Project No. 230-235

SUMMARY

This report presents the findings of a two-week gavage study of PET in male and female rats. The test material in an olive oil vehicle was administered daily by gavage to six groups of five male and five female rats at dose levels of 25, 50, 100, 200, 400, and 800 mg/kg/day. One group of ten male and ten female rats received the olive oil vehicle only. Criteria evaluated were mortality, appearance and behavior, body weights and food consumption, clinical laboratory data, organ weights and organ/body weight ratios, and gross pathology.

Lower than control mean body weights were noted for Group 6 and Group 7 animals with statistically significant differences at termination for the males and at Week 1 for the females. Some apparently treatment-related differences were also noted in the absolute and relative organ weight data for Groups 6 and 7. Mean relative liver weights were significantly higher than control for the Group 6 and 7 animals of both sexes with greater mean absolute liver weights for the Group 6 females and Group 7 males. The mean relative kidney weight for

the Group 7 males was significantly higher than control and mean values for the other treated groups showed an apparently dose-related trend. However, this trend was not reflected in the female data. Clinical laboratory data and gross pathology findings were considered unremarkable.

INTRODUCTION

The purpose of this study was to evaluate the toxic effects of PET when administered daily by gavage to rats for two weeks and to provide data for the selection of doses for a thirteen-week study. The study was initiated on October 19, 1981, and terminal sacrifice was completed on November 3, 1981, for the males and November 4, 1981, for the females. This report presents and discusses the results of the study.

CONTROL AND TEST MATERIALS

The test material, PET (Lot 700811), a clear colorless liquid, was received from the sponsor on October 9, 1981, and was stored frozen at a temperature of approximately -10°F. The purity of the test material was greater than 99.7% (information supplied by sponsor), so 100% purity was used for purposes of dosage calculation. Information on stability and methods of synthesis, as well as data on composition and other characteristics which define the test material are on file with the sponsor.

Pompeian Olive Oil (Lot 91022), a slightly viscous yellow liquid, was used as the control material and as the vehicle for the test material. The olive oil was received from the sponsor on September 28, 1981, and was stored at room temperature.

TEST ANIMALS

One hundred eight (52 males, 56 females) four-week old Fischer 344 rats were received for this study from Charles River Breeding Laboratories, Inc., Kingston, New York. From this shipment forty clinically acceptable animals of each sex were chosen to be placed on study. The animals were identified by individual ear tags and housed individually in elevated stainless steel cages. Commercial rodent ration (Purina Rodent Laboratory Chow® #5001) and tap water (via automatic watering system) were available ad libitum. Temperatures in the study room ranged from 66-76°F (19-24°C) with relative humidity from 30-48% (except for one day during Week 2 when humidity reached 69%). An artificial twelve hour light/dark cycle was maintained.

METHODS

Groups and Dosage Levels

The one hundred eight rats received for this study were acclimated to laboratory conditions for five days and eighty of the animals were assigned to the following groups by a HLA weight randomization program.

Group	No. of Animals		Dosage Level	Dosage Factor
	Males	Females	mg/kg/day	ml/kg
1 (Control)	10	10	0	1.10
2	5	5	25	1.13
3	5	5	50	1.16
4	5	5	100	1.22
5	5	5	200	1.33
6	5	5	400	1.56
7	5	5	800	2.03

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The HLA weight randomization program randomly distributes the animals into the desired number of groups and analyzes individual body weight data to insure lack of significant differences between group mean body weights at initiation of treatment. This involves performing Bartlett's test for heterogeneity of variance (Bartlett, 1937) on the randomized body weights. If significant heterogeneity exists between the groups, the animals are rerandomized and the body weight data are again tested for heterogeneity of variance. When Bartlett's test demonstrates overall homogeneity of variance, a one-way classification analysis of variance (ANOVA) (Snedecor and Cochran, 1967) is performed to detect heterogeneity of variance between the groups. If significant heterogeneity exists, animals are randomized again and the analysis is repeated. When both Bartlett's test and ANOVA indicate homogeneous variance, the randomization is accepted and the group assignment for each animal is printed. The animals were held for acclimation for an additional six days during which time a health status examination was performed by a staff veterinarian. Excess animals (12 males and 16 females) not assigned to the study groups were discarded without necropsy.

Compound Preparation and Administration

Appropriate amounts of the vehicle and test material were weighed into beakers on an Arbor balance and mixed by stirring for

five minutes with a magnetic stirrer. Equal aliquots of each dosing solution were transferred into 30 ml amber vials and frozen until just before use. Three 10 ml aliquots were sent to the Hazleton Analytical Chemistry Department for verification of concentration and homogeneity of mixing before initiation of dosing, and one 10 ml aliquot was kept as an archive sample. Since the vehicle was a digestible oil and contributed to the caloric intake of the animals, dosing solutions were prepared so that each animal received 1.0 g olive oil/kg of body weight/day.

Analytical Chemistry

Analysis of the dosing solutions was performed using methodology provided by the sponsor with minor modifications. The test material was scanned on a Varian Cary 219 spectrophotometer to determine absorption maximum. Maximum absorbance occurred at 273.8 nm. A standard curve was prepared using PET/olive oil mixtures in spectral-grade hexane at concentrations of 7.167, 14.334, 28.667, 71.667, and 143.333 ug/ml.

A 10 ul aliquot of each dosing solution was diluted to 30 ml with spectral-grade hexane, placed in a quartz cuvette, and read in the spectrophotometer at 273.8 nm. Optical densities were read for the control (olive oil only) samples and doubling and tripling the amount of sample assayed did not produce a change in the readings. These readings were considered to be background.

The archive samples of each dosing solution were analyzed in order to verify concentrations of PET at the lower two dose levels. Procedures used for analysis of the archive samples were identical to those used to analyze pre-initiation dosing samples, except that, for the archive samples, the control solution (olive oil in hexane) was used to zero the instrument.

Observations and Records

All animals were observed in the cages each morning for signs of abnormal appearance, behavior, excretory function and discharges. Animals were checked twice daily for mortality and moribundity. Body weights, food consumption and abnormal clinical signs were recorded weekly.

Clinical Laboratory Studies

All animals were fasted in metabolic cages for at least sixteen hours prior to blood collection. Immediately prior to sacrifice, blood samples were obtained by orbital sinus puncture, and urine was collected overnight from the metabolic cages for the clinical laboratory studies listed on the following page. Blood samples were collected and analyzed in an order which rotated through the treatment groups.

Hematology

Hematocrit (HCT)
Hemoglobin (HGB)
Erythrocyte count (RBC)
Erythrocyte morphology
Leukocyte count (WBC)
Leukocyte morphology
Platelet count (PLATELET)
Reticulocyte count (if evidence of anemia)[a]

Serum Clinical Chemistry

Glucose (GLUCOSE)
Blood urea nitrogen (BUN)
Total protein (T PROT)
Albumin (ALBUMIN)
Albumin/globulin ratio (ALB/GLOB RATIO)
Serum glutamic pyruvic transaminase (SGPT)
Alkaline phosphatase (ALK PHOS)

Urinalysis

pH (PH)
Specific gravity (SP GR)
Occult blood (OC BLD-U)
Glucose
Protein
Ketones
Bilirubin (BILI)
Urobilinogen (UROBIL)
Color, clarity (APPEAR)
Microscopic analysis of formed elements

References for clinical methods are in Appendix 9.

Sacrifice and Gross Pathology

At termination[b], all animals were sacrificed with sodium pentobarbital, exsanguinated, and necropsied in an order which rotated through the treatment groups. Observations were recorded.

Organ Weights

The following organs from each sacrificed animal were weighed following careful dissection and trimming to remove extraneous tissue:

[a] Reticulocyte count not performed because no evidence of anemia was noted.

[b] Following blood collection.

lung, kidneys, adrenals, and liver. The total weight of the paired organs was determined for the adrenals and kidneys, and adrenals were weighed after fixation in 10% neutral buffered formalin.

Tissue Preservation and Histopathology

The following tissues from each animal were preserved in 10% neutral buffered formalin and forwarded to the sponsor for histopathologic evaluation. Parts of organs appearing in parentheses are sections for histopathology.

brain (fore-, mid-, hind-)
pituitary
thyroid/parathyroids
thymus
heart and aorta
spleen
adrenals
pancreas
stomach
small and large intestine
testes with epididymides
prostate and seminal vescicles
ovaries
uterus with (cervix, corpus, fallopian tubes), vagina
lungs (two lobes)
liver (two lobes)
kidneys
gross lesions

Statistical Analysis

Mean body weights at Weeks 1 and 2, total food consumption, and clinical laboratory and organ weight data of the control group were compared statistically to the data of the treated groups of the same sex by Bartlett's test for homogeneity of variance (Bartlett, 1937). This analysis was followed by a one-way classification analysis of variance (ANOVA) (Snedecor and Cochran, 1967) if proved to be homogenous. If the variances proved to be heterogeneous a $\log_{10}$ transformation was performed, which was followed by Bartlett's test. If the $\log_{10}$ transformation was ineffective in removing variance heterogeneity, a

$\log_e$ transformation of the original data was performed which was followed by Bartlett's test. If homogeneity could not be achieved by transformation, ANOVA of the nontransformed data was completed. If ANOVA of homogeneous data was significant, Scheffe's (1953) multiple pairwise comparison procedure was used to compare the group mean values. If ANOVA of heterogeneous data was significant, Games and Howell's (1976) multiple pairwise comparison procedure was used to compare the group mean values. All analyses were evaluated at the 5.0% probability (one-tailed) level. Statistical references are appended to this report.

Statistically significant differences, as indicated by the aforementioned tests, are designated throughout this report as follows:

S+ = Significantly higher than the control value.

S- = Significantly lower than the control value.

Raw Data and Final Report Storage

All raw data and the final report are stored in the archives of Hazleton Laboratories America, Inc.

RESULTS

Mortality and Clinical Signs

Survival rates are presented in Table 1.

No deaths occurred during the study. All animals appeared normal throughout the study except a Group 3 and Group 4 female. The Group 3 female appeared hunched and thin and had urine stains, rough haircoat, and bloody crusted eyes at one observation during Week 2. Urine stains were noted for the Group 4 female during Week 2.

Body Weights and Food Consumption

Individual body weights are presented in Appendix 1. Mean body weights with standard deviations are presented in Table 1. Individual weekly food consumption values are presented in Appendix 2. Mean food consumption values with standard deviations are presented in Table 2.

Statistical comparison of mean body weights of the treated groups with the control group for each sex revealed a significantly lower mean body weight for the Group 7 females at Week 1. Mean body weights for all other treated groups were comparable to the respective control group.

Total food consumption for Group 7 females was significantly less than the control group, but all other treated groups were comparable to the control group of the same sex.

Clinical Laboratory Data

Individual and mean hematology and clinical chemistry values are presented in Appendices 3 and 4, respectively. Individual urinalysis data are presented in Appendix 5. Mean hematology values with standard deviations are presented in Table 3. Mean clinical chemistry values are presented in Table 4. Clinical laboratory references are presented in Appendix 9.

No treatment-related trends were evident in the clinical laboratory data; however, statistical evaluation revealed a significantly higher than control mean serum glutamic pyruvic transaminase value for the Group 7 males. The mean alkaline phosphatase value for Group 3 females was noticeably higher than other treated groups and the control group of the same sex. The large standard deviation reflected elevated alkaline phosphatase in a single animal which was not believed to be treatment related. All other hematology and clinical chemistry values were comparable to the respective controls and were within normal ranges for this age and species of animal. Urinalysis findings were unremarkable.

Terminal Body Weights, Organ Weights, and Organ/Body Weight Ratios

Individual and mean terminal body weights, organ weights, and organ/body weight ratios with standard deviations are presented in Appendix 6. Mean terminal body weights, organ weights, and organ/body weight ratios with standard deviations are presented in Table 5.

The mean terminal body weight of the Group 7 males was significantly lower than control, and that of the Group 7 females was lower than control, although not significantly lower when compared statistically. Mean relative liver weights were significantly higher than control values for the Group 6 and Group 7 males and females, and absolute liver weights were significantly higher than control for the Group 7 males and the Group 6 females. Mean relative kidney weight for the males increased with increasing dose level with the Group 7 value being significantly elevated. However, a similar dose-related trend was not observed in the absolute kidney weights for the males, or in the absolute or relative kidney weights for the females. The mean relative adrenal weight for the Group 7 males was significantly greater than control, but this was considered attributable to the low male mean terminal body weight.

Gross Pathology

Individual gross pathology findings are presented in Appendix 7 and summarized in Table 6.

Most frequently noted gross pathology findings were discolored thymus or lungs; reddened, thin, or smooth glandular portion of the stomach; reddened or enlarged lymph nodes; and distended uterine horns. Cysts on the pituitary, discolored areas or nodules on the lung, discolored cecum, and nodules on the liver adhered to the diaphragm were also found.

Analysis of Dosing Solutions

Results of the pre-initiation dosing sample analysis are presented in Appendix 8A. Results of the archive sample analysis are presented in Appendix 8B.

Analysis of the three aliquots of each dosing solution demonstrated homogeneity of mixing for all test solutions. All samples (except those for Group 2) assayed within ten percent of the target concentration. Because of the background values detected in the Group 1 samples suggesting a contaminant in that vial, and the high values obtained from the Group 2 samples; the archive samples were analyzed. Assayed values from all dosing solutions were within ten percent of the target concentrations when the control solution in hexane was used to zero the spectrophotometer.

230-235

Table 1
Mean Body Weights and Standard Deviations
Two-Week Gavage Administration of DET to Rats

C S230235 MALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 1
MEAN BODY WEIGHTS AND STANDARD DEVIATIONS

***** MALES *****

GROUP		1	2	3	4	5
LEVEL (MG/KG/DAY)		.00	25.00	50.00	100.00	200.00
WEEKS ON STUDY						
	MEAN (GRAMS)	121.9	121.0	123.1	125.6	121.7
START	STD.DEV.	5.59	2.54	7.13	3.16	4.67
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5
	MEAN (GRAMS)	149.6	149.5	148.3	151.5	147.6
1	STD.DEV.	8.42	4.97	11.63	3.95	8.17
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5
	MEAN (GRAMS)	178.3	175.5	176.6	181.7	178.3
2	STD.DEV.	11.54	6.35	14.89	4.88	11.70
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5

C S230235 MALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 1 - CONTINUED
MEAN BODY WEIGHTS AND STANDARD DEVIATIONS

***** MALES *****

GROUP		6	7
LEVEL (MG/KG/DAY)		400.00	800.00
WEEKS ON STUDY			
START	MEAN (GRAMS)	119.4	119.2
	STD.DEV.	5.42	3.09
	ADJUSTED SURVIVAL	5/ 5	5/ 5
1	MEAN (GRAMS)	143.4	133.6
	STD.DEV.	7.78	5.20
	ADJUSTED SURVIVAL	5/ 5	5/ 5
2	MEAN (GRAMS)	170.7	158.1
	STD.DEV.	12.91	2.72
	ADJUSTED SURVIVAL	5/ 5	5/ 5

C S230235 FEMALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 1 - CONTINUED
MEAN BODY WEIGHTS AND STANDARD DEVIATIONS

***** FEMALES *****

GROUP		1	2	3	4	5
LEVEL (MG/KG/DAY)		.00	25.00	50.00	100.00	200.00
WEEKS ON STUDY						
START	MEAN (GRAMS)	94.3	90.3	90.6	92.6	91.5
	STD.DEV.	3.93	1.89	3.94	2.08	2.86
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5
1	MEAN (GRAMS)	108.9	104.7	101.1	107.2	108.0
	STD.DEV.	4.47	2.52	6.90	2.54	3.57
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5
2	MEAN (GRAMS)	121.5	115.3	112.4	123.0	123.8
	STD.DEV.	4.87	4.60	17.43	4.31	4.48
	ADJUSTED SURVIVAL	10/ 10	5/ 5	5/ 5	5/ 5	5/ 5

C S230235 FEMALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 1 - CONTINUED
MEAN BODY WEIGHTS AND STANDARD DEVIATIONS

***** FEMALES *****

GROUP		6	7
LEVEL (MG/KG/DAY)		400.00	800.00
WEEKS ON STUDY			
START	MEAN (GRAMS)	92.3	88.7
	STD.DEV.	3.49	5.40
	ADJUSTED SURVIVAL	5/ 5	5/ 5
1	MEAN (GRAMS)	106.1	58.6 S-
	STD.DEV.	2.89	5.22
	ADJUSTED SURVIVAL	5/ 5	5/ 5
2	MEAN (GRAMS)	121.9	110.0
	STD.DEV.	3.49	7.42
	ADJUSTED SURVIVAL	5/ 5	5/ 5

230-235

Table 2
Mean Food Consumption and Standard Deviations
Two-Week Gavage Administration of PET to Rats

C S230235 MALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 2
MEAN FOOD CONSUMPTION AND STANDARD DEVIATIONS

***** MALES *****

GROUP		1	2	3	4	5
LEVEL (MG/KG/DAY)		.00	25.00	50.00	100.00	200.00
WEEKS ON STUDY						
	MEAN (GM/WEEK)	.0	.0	.0	.0	.0
START	STD.DEV.	.00	.00	.00	.00	.00
	ALL SURVIVORS	10	5	5	5	5
	MEAN (GM/WEEK)	109.3	106.2	111.5	109.4	106.9
1	STD.DEV.	7.55	6.80	8.63	3.29	7.26
	ALL SURVIVORS	10	5	5	5	5
	MEAN (GM/WEEK)	114.8	109.4	110.7	114.9	112.9
2	STD.DEV.	8.97	5.41	6.93	3.53	10.17
	ALL SURVIVORS	10	5	5	5	5

C S230235 MALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 2 - CONTINUED
MEAN FOOD CONSUMPTION AND STANDARD DEVIATIONS

***** MALES *****

GROUP		6	7
LEVEL (MG/KG/DAY)		400.00	800.00
WEEKS ON STUDY			
	MEAN (GM/WEEK)	.0	.0
START	STD.DEV.	.00	.00
	ALL SURVIVORS	5	5
	MEAN (GM/WEEK)	105.8	98.7
1	STD.DEV.	5.82	6.70
	ALL SURVIVORS	5	5
	MEAN (GM/WEEK)	111.4	107.1
2	STD.DEV.	7.33	11.23
	ALL SURVIVORS	5	5

C S230235 FEMALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 2 - CONTINUED
MEAN FOOD CONSUMPTION AND STANDARD DEVIATIONS

***** FEMALES *****

GROUP		1	2	3	4	5
LEVEL (MG/KG/DAY)		.00	25.00	50.00	100.00	200.00
WEEKS ON STUDY						
	MEAN (GM/WEEK)	.0	.0	.0	.0	.0
START	STD.DEV.	.00	.00	.00	.00	.00
	ALL SURVIVORS	10	5	5	5	5
	MEAN (GM/WEEK)	85.4	84.7	79.7	84.5	88.3
1	STD.DEV.	3.28	4.87	6.66	4.25	5.46
	ALL SURVIVORS	10	5	5	5	5
	MEAN (GM/WEEK)	84.3	79.7	73.4	86.5	91.0
2	STD.DEV.	3.03	5.46	23.16	5.28	3.23
	ALL SURVIVORS	10	5	5	5	5

C S230235 FEMALES
STUDY TITLE TWO WEEK GAVAGE ADMINISTRATION IN RATS
COMPOUND TITLE PET

TABLE 2 - CONTINUED
MEAN FOOD CONSUMPTION AND STANDARD DEVIATIONS

***** FEMALES *****

GROUP		6	7
LEVEL (MG/KG/DAY)		400.00	800.00
WEEKS ON STUDY			
	MEAN (GM/WEEK)	.0	.0
START	STD.DEV.	.00	.00
	ALL SURVIVORS	5	5
	MEAN (GM/WEEK)	85.6	80.8
1	STD.DEV.	1.90	4.24
	ALL SURVIVORS	5	5
	MEAN (GM/WEEK)	86.7	79.1 S-
2	STD.DEV.	4.64	3.90
	ALL SURVIVORS	5	5

Table 3
Mean Hematology Values with Standard Deviations[a]
Two-Week Gavage Administration of PET to Rats
Week 3
Males

Group and Dose Level		HCT %	HGB gm/dl	RBC mi/ul	WBC th/ul	PLATELET th/ul
1	Mean	49.1	16.6	8.33	6.9	875
0 mg/kg/day	S.D.	1.41	0.38	0.245	0.90	68.3
2	Mean	47.8	16.3	8.20	6.9	847
25 mg/kg/day	S.D.	1.86	0.49	0.270	0.63	65.4
3	Mean	48.7	16.4	8.23	7.3	786
50 mg/kg/day	S.D.	1.28	0.49	0.215	0.84	66.3
4	Mean	48.6	16.4	8.25	7.1	844
100 mg/kg/day	S.D.	0.83	0.35	0.151	0.35	74.3
5	Mean	48.4	16.4	8.16	7.5	888
200 mg/kg/day	S.D.	0.87	0.24	0.201	0.61	72.8
6	Mean	49.8	16.7	8.50	7.3	771
400 mg/kg/day	S.D.	2.22	0.67	0.408	0.68	63.7
7	Mean	51.1	17.1	8.64	7.5	812
800 mg/kg/day	S.D.	2.13	0.74	0.396	1.29	98.1

[a] Group 1 means based on ten animals/sex. All other means based on five animals/sex/group.

HHO031

Table 3 - Continued
Mean Hematology Values with Standard Deviations[a]
Two-Week Gavage Administration of PET to Rats
Week 3
Females

Group and Dose Level		HCT %	HGB gm/dl	RBC mi/ul	WBC th/ul	PLATELET th/ul
1	Mean	47.1	16.8	8.06	6.2	770
0 mg/kg/day	S.D.	1.89	0.33	0.286	0.73	63.5
2	Mean	48.4	17.3	8.28	5.2	782
25 mg/kg/day	S.D.	2.72	0.27	0.478	1.07	84.6
3	Mean	49.2	17.1	8.47	6.8	858
50 mg/kg/day	S.D.	1.97	0.75	0.373	1.33	39.8
4	Mean	47.0	17.1	8.10	6.5	855
100 mg/kg/day	S.D.	2.26	0.34	0.366	1.25	54.8
5	Mean	46.4	16.9	7.98	6.9	808
200 mg/kg/day	S.D.	1.97	0.35	0.369	0.70	36.4
6	Mean	46.4	17.0	7.91	6.9	844
400 mg/kg/day	S.D.	2.69	0.54	0.441	1.17	67.3
7	Mean	49.8	17.7	8.57	7.5	714
800 mg/kg/day	S.D.	3.64	0.63	0.653	0.58	78.6

[a] Group 1 means based on ten animals/sex. All other means based on five animals/sex/group.

000432

Table 4
Mean Clinical Chemistry Values with Standard Deviations[a]
Two-Week Gavage Administration of PET to Rats
Week 3
Males

Group and Dose Level		T PROT gm/dl	ALBUMIN gm/dl	ALB/GLOB RATIO	ALK PHOS IU/l	BUN mg/dl	GLUCOSE mg/dl	SGPT IU/l
1	Mean	5.7	3.3	1.42	204	15.8	89	31
0 mg/kg/day	S.D.	0.18	0.11	0.112	16.0	1.14	8.2	3.4
2	Mean	5.6	3.3	1.47	216	17.2	85	33
25 mg/kg/day	S.D.	0.17	0.14	0.124	16.3	1.79	9.2	2.5
3	Mean	5.6	3.3	1.46	218	15.6	91	31
50 mg/kg/day	S.D.	0.29	0.19	0.197	5.0	1.14	11.5	2.1
4	Mean	5.6	3.4	1.48	207	15.8	93	30
100 mg/kg/day	S.D.	0.29	0.17	0.156	12.0	2.05	8.9	2.4
5	Mean	5.5	3.3	1.50	208	14.8	85	30
200 mg/kg/day	S.D.	0.22	0.19	0.181	30.7	1.92	7.2	3.2
6	Mean	5.8	3.5	1.58	211	16.2	92	28
400 mg/kg/day	S.D.	0.11	0.13	0.161	22.1	1.79	5.1	2.8
7	Mean	5.9	3.6	1.51	240	16.2	86	40S+
800 mg/kg/day	S.D.	0.23	0.21	0.115	42.0	1.48	9.4	7.0

[a] Group 1 means based on ten animals/sex. All other means based on five animals/sex/group.

000033

Table 4 - Continued
Mean Clinical Chemistry Values with Standard Deviations[a]
Two-Week Gavage Administration of PET to Rats
Week 3
Females

Group and Dose Level		T PROT gm/dl	ALBUMIN gm/dl	ALB/GLOB RATIO	ALK PHOS IU/l	BUN mg/dl	GLUCOSE mg/dl	SGPT IU/l
1	Mean	5.1	3.0	1.50	182	17.9	79	31
0 mg/kg/day	S.D.	0.86	0.49	0.116	31.5	2.69	16.5	7.0
2	Mean	5.6	3.3	1.49	198	17.8	85	35
25 mg/kg/day	S.D.	0.22	0.11	0.099	16.0	1.30	11.4	3.8
3	Mean	5.6	3.1	1.28	330	18.4	87	31
50 mg/kg/day	S.D.	0.12	0.34	0.286	289.0	1.82	4.7	2.4
4	Mean	5.6	3.3	1.47	199	17.8	86	35
100 mg/kg/day	S.D.	0.29	0.14	0.081	6.5	1.64	11.0	2.6
5	Mean	5.4	3.2	1.52	197	16.8	83	34
200 mg/kg/day	S.D.	0.24	0.11	0.107	15.8	1.92	9.1	2.3
6	Mean	5.3	3.3	1.59	205	16.2	86	32
400 mg/kg/day	S.D.	0.17	0.08	0.039	21.2	0.84	6.8	2.9
7	Mean	5.6	3.4	1.59	212	16.0	80	38
800 mg/kg/day	S.D.	0.26	0.16	0.061	38.1	1.58	18.0	4.3

[a] Group 1 means based on ten animals/sex. All other means based on five animals/sex/group.

110034

PROJECT: 230233 SPECIES: RAT SEX: MALE WEEK : 3

TABLE 5
MEAN TERMINAL BODY WEIGHTS, ORGAN WEIGHTS
ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP NUMBER		BODY	ADRENALS		LUNGS	
		WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
1	MEAN	160.84	.0343	.0213	.761	.474
	S.D.	9.938	.00455	.00256	.0557	.0297
	N	10	10	10	10	10
2	MEAN	159.38	.0340	.0213	.750	.470
	S.D.	5.357	.00159	.00117	.0560	.0255
	N	5	5	5	5	5
3	MEAN	157.10	.0334	.0214	.727	.463
	S.D.	11.152	.00416	.00312	.0530	.0187
	N	5	5	5	5	5
4	MEAN	163.46	.0380	.0233	.822	.503
	S.D.	4.904	.00406	.00280	.0853	.0509
	N	5	5	5	5	5
5	MEAN	161.18	.0344	.0214	.766	.475
	S.D.	10.206	.00288	.00269	.0545	.0126
	N	5	5	5	5	5
6	MEAN	152.40	.0342	.0225	.7[illegible]	.467
	S.D.	12.736	.00370	.00241	.0543	.0211
	N	5	5	5	5	5
7	MEAN	138.02 S-	.0370	.0268 S+	.669	.485
	S.D.	1.708	.00235	.00142	.0296	.0271
	N	5	5	5	5	5

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

TABLE 5 - CONTINUED
MEAN TERMINAL BODY WEIGHTS, ORGAN WEIGHTS
ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP NUMBER		BODY	LIVER		KIDNEYS	
		WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
1	MEAN	160.84	5.536	3.435	1.301	.809
	S.D.	9.939	.5537	.1591	.0816	.0294
	N	10	10	10	10	10
2	MEAN	159.38	5.398	3.389	1.295	.814
	S.D.	5.357	.0729	.0736	.0655	.0544
	N	5	5	5	5	5
3	MEAN	157.10	5.534	3.526	1.299	.828
	S.D.	11.152	.3690	.1632	.0675	.0303
	N	5	5	5	5	5
4	MEAN	163.46	5.753	3.522	1.387	.849
	S.D.	4.904	.4326	.2823	.0571	.0445
	N	5	5	5	5	5
5	MEAN	161.18	5.779	3.581	1.381	.858
	S.D.	10.206	.5135	.1150	.0457	.0366
	N	5	5	5	5	5
6	MEAN	152.40	5.889	3.870 S+	1.326	.873
	S.D.	12.736	.3861	.1251	.0979	.0636
	N	5	5	5	5	5
7	MEAN	138.02 S-	6.435 S+	4.661 S+	1.353	.980 S+
	S.D.	1.708	.3377	.2088	.0606	.0343
	N	5	5	5	5	5

000036

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

TABLE 5
MEAN TERMINAL BODY WEIGHTS,ORGAN WEIGHTS
ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP NUMBER		BODY	ADRENALS		LUNGS	
		WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
1	MEAN	111.39	.0399	.0358	.634	.569
	S.D.	4.177	.00288	.00250	.0338	.0287
	N	10	10	10	10	10
2	MEAN	105.84	.0388	.0366	.583	.556
	S.D.	4.313	.00572	.00435	.0218	.0255
	N	5	5	5	5	5
3	MEAN	101.96	.0358	.0354	.789	.737
	S.D.	13.497	.00303	.00369	.1803	.1971
	N	5	5	5	4	4
4	MEAN	111.50	.0374	.0335	.631	.566
	S.D.	3.601	.00321	.00229	.0293	.0134
	N	5	5	5	5	5
5	MEAN	113.16	.0384	.0339	.650	.574
	S.D.	3.570	.00207	.00172	.0455	.0349
	N	5	5	5	5	5
6	MEAN	112.34	.0408	.0363	.657	.584
	S.D.	4.515	.00286	.00172	.0508	.0334
	N	5	5	5	5	5
7	MEAN	99.10	.0414	.0416	.572	.578
	S.D.	6.460	.00594	.00366	.0352	.0202
	N	5	5	5	5	5

PROJECT: 23U235 SPECIES: RAT SEX: FEMALE WEEK : 3

TABLE 5 - CONTINUED
MEAN TERMINAL BODY WEIGHTS,ORGAN WEIGHTS
ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP NUMBER		BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
1	MEAN	111.39	3.977	3.572	1.054	.947
	S.D.	4.177	.2033	.1731	.0462	.0297
	N	10	10	10	10	10
2	MEAN	105.84	3.787	3.578	1.053	.995
	S.D.	4.313	.1625	.0430	.0631	.0478
	N	5	5	5	5	5
3	MEAN	101.96	3.756	3.723	.984	.973
	S.D.	13.497	.2501	.4086	.0794	.0803
	N	5	5	5	5	5
4	MEAN	111.50	4.000	3.587	1.065	.955
	S.D.	3.601	.1733	.0766	.0543	.0382
	N	5	5	5	5	5
5	MEAN	113.16	4.297	3.799	1.095	.968
	S.D.	3.570	.1563	.1281	.0241	.0388
	N	5	5	5	5	5
6	MEAN	112.34	4.497 S+	4.004 S+	1.096	.975
	S.D.	4.515	.2073	.1452	.0653	.0327
	N	5	5	5	5	5
7	MEAN	99.10	4.408	4.442 S+	.964	.973
	S.D.	6.460	.4387	.2159	.0886	.0351
	N	5	5	5	5	5

000038

Table 6
Summary of Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

Sex:	Males							Females						
Group:	1	2	3	4	5	6	7	1	2	3	4	5	6	7
ORGAN AND DESCRIPTION / Dose Level (mg/kg/day):	0	25	50	100	200	400	800	0	25	50	100	200	400	800
Number of animals examined	10	5	5	5	5	5	5	10	5	5	5	5	5	5
Number with no gross lesions	7	4	4	5	4	3	2	5	3	2	2	2	0	1
PITUITARY														
Cyst/cystic area (clear/pinpoint)								1	1			1		
Gray area						1								
THYMUS														
Small										1				
Discolored area/focal area (red/dark red diffuse/reddened)	2				1		1	2						
ESOPHAGUS														
Dark red, firm, nodular area														1
LUNG														
Discolored area/focus (brown/red/dark red/reddened/dark)	1						1			1			2	3
Yellowish-tan										1				
Firm yellowish-tan nodule										1				
Tan area										1				
Nodular yellow areas										1				
Adherent										1				
HEART														
Pale										1				
Ventricle - pale raised area			1											
Pericardial sac - thickened										1				
LIVER														
Firm raised nodule adhered to diaphragm										1				
Raised area adhered to diaphragm										1				
KIDNEY														
Pelvis - dilated								1						
STOMACH														
Glandular portion - smooth, thickened mucosa							1							
- pinpoint black focus							1							
smooth											1		3	1
- thin													2	

000139

Table 6 - Continued
Summary of Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

Sex:	Males							Females						
Group:	1	2	3	4	5	6	7	1	2	3	4	5	6	7
Dose Level (mg/kg/day):	0	25	50	100	200	400	800	0	25	50	100	200	400	800
ORGAN AND DESCRIPTION														
CECUM														
Red mucosal surface		1												
Walls reddened													1	
LYMPH NODES														
Mandibular - reddened								1						
Deep cervical - enlarged						1								
- dark red foci						1								
Mediastinal - enlarged										1				
Axillary - enlarged						1								
- reddened						1								
OVARY														
Cyst c													1	
UTERINE HORNS														
Distended with clear fluid								2		1	2	1	1	

010049

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Appendix 1
Individual Body Weights
Two-Week Gavage Administration of PET to Rats

APPENDIX - 1
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

GROUP 1 - CONTROL
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
4986	123.1	148.2	175.7			
4987	110.9	130.9	153.7			
4988	129.3	157.8	191.2			
4989	122.4	147.0	174.2			
4990	129.2	160.1	189.6			
4991	124.1	151.8	183.3			
4992	118.5	151.0	182.2			
4993	122.9	149.8	177.7			
4994	116.2	142.6	166.8			
4995	122.3	156.4	188.4			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

GROUP 1 - CONTROL
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
4996	90.2	105.2	118.8			
4997	93.1	106.2	118.0			
4998	99.7	116.9	130.6			
4999	88.6	103.3	117.6			
5000	100.0	114.9	128.3			
5001	91.2	104.1	114.8			
5002	97.7	108.6	121.7			
5003	95.9	110.6	123.3			
5004	92.7	108.9	121.5			
5005	94.0	110.2	120.2			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

GROUP 2 - 25.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5006	124.3	157.2	183.3			
5007	121.0	150.9	174.9			
5008	118.3	146.0	172.9			
5009	118.8	144.5	166.7			
5010	122.7	148.8	179.5			

GROUP 2 - 25.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5011	91.2	104.4	114.4			
5012	87.7	102.1	110.8			
5013	88.9	103.4	111.9			
5014	92.3	104.9	117.4			

000044

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5015	91.2	108.8	122.2			

GROUP 3 - 50.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5016	133.8	164.5	195.2			
5017	126.3	156.7	190.2			
5018	116.8	141.3	168.1			
5019	117.1	137.8	165.3			
5020	121.4	141.3	164.1			

GROUP 3 - 50.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5021	94.2	107.5	121.8			
5022	90.8	106.3	123.1			
5023	88.0	103.8	120.2			

000045

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5024	85.4	96.5	81.7			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5025	94.5	91.4	115.3			

GROUP 4 - 100.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5026	120.7	148.7	177.6			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5027	125.9	155.4	187.2			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5028	128.8	155.3	184.0			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5029	124.8	151.7	184.1			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5030	127.8	146.5	175.6			

GROUP 4 - 100.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5031	91.6	109.2	127.0			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5032	89.4	102.8	116.5			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5033	93.8	108.1	120.7			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5034	93.4	107.2	125.2			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5035	94.6	108.5	125.4			

GROUP 5 - 200.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5036	121.3	149.5	180.8			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5037	115.8	135.3	158.4			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5038	127.7	154.3	189.2			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5039	124.6	154.9	183.3			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5040	118.9	143.9	179.6			

GROUP 5 - 200.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5041	92.4	106.1	122.4			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5042	95.7	114.0	131.4			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5043	88.5	105.9	122.1			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5044	89.2	105.4	119.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5045	91.5	108.5	123.4			

GROUP 6 - 400.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5046	124.8	153.0	179.9			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5047	111.9	132.4	149.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5048	116.8	140.4	168.0			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5049	118.9	144.4	174.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5050	124.4	146.1	181.4			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

GROUP 6 - 400.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5051	93.9	108.5	121.5			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5052	94.0	108.0	124.6			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5053	86.3	101.2	116.0			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5054	92.5	106.4	124.1			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5055	95.0	106.3	123.2			

GROUP 7 - 800.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5056	119.7	128.4	159.1			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5057	116.5	129.0	160.3			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5058	122.2	140.9	154.9			
ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5059	115.5	133.6	155.4			

APPENDIX - 1 CONTINUED
INDIVIDUAL BODY WEIGHTS (GRAMS)
S230235

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5060	122.0	136.2	160.6			

GROUP 7 - 800.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5061	90.3	95.3	113.3			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5062	94.5	103.7	116.9			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5063	90.7	103.7	112.4			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5064	80.0	91.8	97.5			

ANIMAL NUMBER	INTERVALS					
	0	1	2	3	4	5
5065	87.9	98.7	110.1			

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Appendix 2
Individual Food Consumption
Two-Week Gavage Administration of PET to Rats

APPENDIX - 2
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

GROUP 1 - CONTROL
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
4986	.0	107.7	110.9			
4987	.0	93.8	100.0			
4988	.0	112.8	122.9			
4989	.0	106.5	109.0			
4990	.0	119.8	122.5			
4991	.0	116.3	121.5			
4992	.0	109.6	118.9			
4993	.0	104.7	109.1			
4994	.0	105.2	105.7			
4995	.0	116.6	127.2			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

GROUP 1 - CONTROL
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
4996	.0	81.9	82.9			
4997	.0	84.9	83.2			
4998	.0	86.1	89.9			
4999	.0	87.0	83.6			
5000	.0	89.5	86.0			
5001	.0	84.1	78.4			
5002	.0	78.8	82.1			
5003	.0	89.3	85.6			
5004	.0	87.4	85.5			
5005	.0	85.3	85.6			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

GROUP 2 - 25.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5006	.0	115.9	115.9			
5007	.0	101.0	107.2			
5008	.0	99.6	104.5			
5009	.0	104.4	104.8			
5010	.0	110.3	114.4			

GROUP 2 - 25.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5011	.0	85.0	77.9			
5012	.0	81.8	75.1			
5013	.0	80.2	73.7			
5014	.0	83.9	84.4			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5015	.0	92.8	86.4			

GROUP 3 - 50.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5016	.0	121.9	117.0			
5017	.0	118.5	118.9			
5018	.0	100.9	104.9			
5019	.0	106.5	103.7			
5020	.0	109.6	109.1			

GROUP 3 - 50.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5021	.0	84.4	81.6			
5022	.0	83.8	87.9			
5023	.0	82.6	85.6			

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APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5024	.0	79.3	32.4			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5025	.0	68.3	79.6			

GROUP 4 - 100.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5026	.0	109.1	114.7			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5027	.0	114.6	121.1			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5028	.0	110.0	113.2			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5029	.0	107.7	112.8			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5030	.0	105.8	112.9			

GROUP 4 - 100.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5031	.0	88.2	90.7			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5032	.0	78.6	81.0			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5033	.0	84.1	80.8			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5034	.0	82.7	88.5			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5035	.0	89.0	91.7			

GROUP 5 - 200.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5036	.0	108.5	113.5			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5037	.0	94.4	95.2			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5038	.0	109.2	119.9			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5039	.0	113.5	117.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5040	.0	108.7	118.3			

GROUP 5 - 200.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5041	.0	80.2	87.0			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5042	.0	93.3	94.4			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5043	.0	89.1	90.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5044	.0	85.9	88.9			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5045	.0	93.0	94.1			

GROUP 6 - 400.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5046	.0	114.7	120.9			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5047	.0	100.5	100.4			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5048	.0	103.1	110.6			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5049	.0	108.5	111.9			

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5050	.0	102.1	113.0			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

GROUP 6 - 400.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5051	.0	85.3	80.4			
5052	.0	85.2	91.7			
5053	.0	82.7	84.4			
5054	.0	87.1	90.7			
5055	.0	87.5	86.4			

GROUP 7 - 800.0000 (MG-KG)
MALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5056	.0	90.7	127.1			
5057	.0	98.1	102.4			
5058	.0	109.3	102.6			
5059	.0	98.1	103.1			

APPENDIX - 2 CONTINUED
INDIVIDUAL FOOD CONSUMPTION (GRAMS PER WEEK)
S230235

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5060	.0	97.2	100.3			

GROUP 7 - 800.0000 (MG-KG)
FEMALES

ANIMAL NUMBER	INTERVALS 0	1	2	3	4	5
5061	.0	75.0	80.1			
5062	.0	77.9	84.1			
5063	.0	82.9	78.2			
5064	.0	82.4	73.3			
5065	.0	85.6	79.7			

230-235

Standard Hematology Key

Leukocyte Differentials

BLAST = Blast Cells
BAND = Band Neutrophils
LYMPH = Lymphocytes
EOSIN = Eosinophils
META = Metamyelocytes
SEG = Segmented Neutrophils
MONO = Monocytes
BASO = Basophils

Erythrocyte and Leukocyte Morphology

ANISO = Anisocytes
ECHINO = Echinocytes
TARGET = Target Cells
HYPO = Hypochromic Cells
MICRO = Microcytes
BURR = Burr Cells
POIK = Poikilocytes
ACANTH = Acanthocytes
BASOSTIP = Basophilic Stippled Cells
POLY = Polychromatophilic Cells
MACRO = Macrocytes
CRENATED = Crenated Cells

Presence of the above cell types are indicated as:

- = No finding noted
T = Trace numbers present
1 = Slight numbers present
2 = Moderate numbers present
3 = Marked numbers present
4 = Severe numbers present

HJBODY = Howell-Jolly Bodies
TOXIC = Toxic Granulation
SMUDGE = Smudge Cells
RECTRBC = Rectangular RBC's
FILARIA = Microfilaria
DOHLE = Dohle Bodies

Presence of the above cell types are indicated as:

- = No cells present
f = Few cells present
m = Many cells present

NRBC = Nucleated RBC's
IM LYMPH = Immature Lymphocytes
REACTLYM = Reactive Lymphocytes
PLASMA = Plasma Cells

Presence of the above cell types are indicated as a percentage of 100 white blood cells counted.

230-235

Appendix 3
Individual and Mean Clinical Hematology Values
Two-Week Gavage Administration of PET to Rats

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3
INDIVIDUAL & MEAN CLINICAL HEMATOLOGY VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
04986	47.7	16.0	8.10	7.9	836
04987	48.9	16.5	8.37	7.4	831
04988	50.8	17.0	8.62	6.7	891
04989	51.1	16.9	8.72	5.0	825
04990	47.0	16.0	7.95	6.2	936
04991	49.9	17.0	8.40	7.2	916
04992	48.3	16.7	8.18	7.6	990
04993	47.8	16.2	8.09	8.0	806
04994	50.2	16.6	8.45	6.7	784
04995	49.8	16.7	8.40	6.7	939
MEAN	49.1	16.6	8.33	6.9	875
S.D.	1.41	.38	.245	.90	68.3

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05006	48.3	16.4	8.39	6.7	880
05007	48.1	16.4	8.22	6.9	756
05008	45.2	15.4	7.74	6.5	876
05009	47.1	16.5	8.25	8.0	804
05010	50.3	16.6	8.40	6.5	918
MEAN	47.8	16.3	8.20	6.9	847
S.D.	1.86	.49	.270	.63	65.4

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PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05016	48.0	16.2	8.13	8.3	841
05017	50.4	16.8	8.47	6.0	863
05018	47.0	15.7	7.92	7.6	736
05019	49.2	16.3	8.26	7.2	780
05020	48.7	16.9	8.37	7.2	708
MEAN	48.7	16.4	8.23	7.3	786
S.D.	1.28	.49	.215	.84	66.3

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05026	48.8	16.6	8.43	6.7	928
05027	49.2	16.6	8.28	7.5	915
05028	47.4	15.8	8.08	7.1	789
05029	48.3	16.5	8.12	7.4	763
05030	49.5	16.6	8.36	6.8	824
MEAN	48.6	16.4	8.25	7.1	844
S.D.	.83	.35	.151	.35	74.3

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05036	48.7	16.4	8.27	8.3	845
05037	48.8	16.8	8.40	7.2	984
05038	49.1	16.4	8.14	8.0	793
05039	46.9	16.2	7.86	6.8	896
05040	48.5	16.2	8.13	7.4	920
MEAN	48.4	16.4	8.16	7.5	888
S.D.	.87	.24	.201	.61	72.8

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05046	50.4	17.0	8.66	7.3	825
05047	51.0	17.1	8.80	7.9	806
05048	47.0	15.9	7.99	6.9	780
05049	48.0	16.2	8.14	6.3	662
05050	52.4	17.5	8.90	7.9	783
MEAN	49.8	16.7	8.50	7.3	771
S.D.	2.22	.67	.408	.68	63.7

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05056	51.8	17.1	8.66	8.6	811
05057	49.5	16.4	8.40	6.7	855
05058	51.8	17.3	8.66	9.2	733
05059	54.0	18.3	9.26	6.8	708
05060	48.6	16.6	8.21	6.3	952
MEAN	51.1	17.1	8.64	7.5	812
S.D.	2.13	.74	.396	1.29	98.1

PROJECT: 3230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3
INDIVIDUAL LEUKOCYTE DIFFERENTIALS
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
04989	0	0	0	17	82	1	0	0
04986	0	0	0	13	83	2	2	0
04988	0	0	0	26	71	2	1	0
04990	0	0	0	11	89	0	0	0
04991	0	0	0	21	77	1	1	0
04992	0	0	0	18	80	2	0	0
04993	0	0	0	10	87	3	0	0
04994	0	0	0	12	85	3	0	0
04995	0	0	0	13	85	2	0	0
04987	0	0	0	11	88	0	1	0

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05006	0	0	0	13	85	2	0	0
05007	0	0	0	8	90	2	0	0
05008	0	0	0	14	86	0	0	0
05009	0	0	0	15	83	2	0	0
05010	0	0	0	17	81	2	0	0

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05016	0	0	0	23	74	3	0	0
05017	0	0	0	20	79	1	0	0
05018	0	0	0	14	83	3	0	0
05019	0	0	0	21	78	1	0	0
05020	0	0	0	13	86	0	1	0

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05026	0	0	0	10	85	3	2	0
05027	0	0	0	23	71	2	4	0
05028	0	0	0	18	79	2	1	0
05029	0	0	0	8	89	0	3	0
05030	0	0	0	13	85	1	1	0

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05036	0	0	0	29	65	4	2	0
05037	0	0	0	23	75	2	0	0
05038	0	0	0	17	80	2	1	0
05039	0	0	0	12	87	1	0	0
05040	0	0	0	16	82	1	1	0

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05049	0	0	0	15	83	2	0	0
05046	0	0	0	19	75	3	3	0
05047	0	0	1	22	76	1	0	0
05048	0	0	0	14	84	0	2	0
05050	0	0	0	19	77	4	0	0

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05056	0	0	0	35	63	2	0	0
05057	0	0	2	22	76	1	1	0
05058	0	0	0	30	68	2	0	0
05059	0	0	0	22	74	3	1	0
05060	0	0	0	15	82	3	0	0

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3
ERYTHROCYTE AND LEUKOCYTE MORPHOLOGY
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
04089	T	T	T	-	-
04986	3	1	T	-	-
04987	3	1	T	1	-
04988	2	1	T	-	-
04990	3	T	T	-	-
04991	4	T	T	-	-
04992	3	T	T	4	-
04993	2	T	T	1	-
04994	3	T	T	-	1
04995	2	T	T	1	-

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05006	1	T	T	1	-
05007	3	1	T	1	-
05008	3	T	T	1	-
05009	3	1	T	-	1
05010	1	T	T	-	-

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05016	T	T	T	-	-
05017	2	1	T	1	-
05018	2	T	T	2	-
05019	1	1	T	1	-
05020	4	T	T	1	1

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05026	1	1	T	1	-
05027	2	T	T	2	-
05028	4	T	T	2	-
05029	2	T	T	2	-
05030	T	1	T	-	-

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05036	3	1	1	1	-
05037	2	1	T	1	-
05038	3	1	T	1	-
05039	2	1	T	-	-
05040	1	1	T	-	-

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05046	3	1	T	-	-
05047	3	T	T	1	-
05048	4	T	T	1	-
05049	1	T	T	1	-
05050	3	1	T	1	-

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC	REACTLYM
05056	2	T	T	1	-
05057	T	T	T	4	-
05058	3	T	T	1	-
05059	1	1	T	2	-
05060	3	T	T	1	-

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PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3
INDIVIDUAL & MEAN CLINICAL HEMATOLOGY VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
04996	45.9	16.5	7.87	7.7	783
04997	49.6	17.1	8.52	6.3	794
04998	48.4	17.1	8.22	5.3	866
04999	44.0	16.1	7.62	6.3	805
05000	49.3	16.9	8.28	6.5	746
05001	46.3	16.7	7.99	6.3	752
05002	48.2	16.7	8.20	6.1	620
05003	48.2	17.0	8.33	5.0	757
05004	45.5	16.5	7.79	6.1	809
05005	45.5	17.1	7.83	6.6	768
MEAN	47.1	16.8	8.06	6.2	770
S.D.	1.89	.33	.286	.73	63.5

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05011	49.3	17.5	8.46	6.1	865
05012	52.2	17.7	8.98	6.5	662
05013	46.3	17.1	7.89	4.2	791
05014	48.9	17.1	8.28	4.3	855
05015	45.3	17.2	7.79	4.7	738
MEAN	48.4	17.3	8.28	5.2	782
S.D.	2.72	.27	.478	1.07	84.6

000070

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05021	49.0	17.0	8.47	4.9	853
05022	48.3	17.0	8.36	8.2	801
05023	46.6	17.2	7.94	7.5	885
05024	50.8	16.2	8.62	6.0	905
05025	51.5	18.3	8.96	7.4	847
MEAN	49.2	17.1	8.47	6.8	858
S.D.	1.97	.75	.373	1.33	39.8

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05031	50.5	17.6	8.61	7.1	857
05032	47.6	16.9	8.25	5.5	772
05033	46.6	17.0	8.13	5.5	859
05034	44.9	17.1	7.75	6.0	926
05035	45.2	16.7	7.74	8.4	863
MEAN	47.0	17.1	8.10	6.5	855
S.D.	2.26	.34	.366	1.25	54.8

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05041	45.9	16.7	7.99	7.3	850
05042	48.2	16.9	8.26	7.8	769
05043	44.0	16.5	7.49	6.3	774
05044	45.4	17.1	7.76	6.1	837
05045	48.7	17.4	8.40	7.0	812
MEAN	46.4	16.9	7.98	6.9	808
S.D.	1.97	.35	.369	.70	36.4

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05051	49.0	17.0	8.41	6.1	925
05052	46.2	16.2	7.88	6.1	895
05053	45.7	17.7	7.85	8.9	777
05054	48.8	17.1	8.16	6.9	777
05055	42.4	17.1	7.23	6.5	846
MEAN	46.4	17.0	7.91	6.9	844
S.D.	2.69	.54	.441	1.17	67.3

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	HCT %	HGB GM/DL	RBC MI/UL	WBC TH/UL	PLATELET TH/UL
05061	47.1	17.3	8.12	7.7	830
05062	50.0	17.1	8.57	6.8	705
05063	53.1	18.6	9.19	8.2	743
05064	53.6	18.2	9.24	7.0	622
05065	45.3	17.5	7.75	7.8	671
MEAN	49.8	17.7	8.57	7.5	714
S.D.	3.64	.63	.653	.58	78.6

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3
INDIVIDUAL LEUKOCYTE DIFFERENTIALS
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
04996	0	0	0	16	81	3	0	0
04997	0	0	0	17	82	0	1	0
04998	0	0	0	19	80	0	1	0
04999	0	0	0	20	79	0	1	0
05000	0	0	0	17	83	0	0	0
05001	0	0	0	13	85	0	2	0
05002	0	0	0	11	88	1	0	0
05003	0	0	0	12	88	0	0	0
05004	0	0	0	15	82	1	2	0
05005	0	0	0	10	89	1	0	0

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05011	0	0	0	14	84	0	2	0
05012	0	0	0	15	80	4	1	0
05013	0	0	0	8	92	0	0	0
05014	0	0	0	17	83	0	0	0
05015	0	0	0	20	80	0	0	0

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05021	0	0	0	12	87	0	1	0
05022	0	0	0	12	88	0	0	0
05023	0	0	0	16	83	1	0	0
05024	0	0	0	4	96	0	0	0
05025	0	0	0	16	83	1	0	0

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05031	0	0	0	8	90	1	1	0
05032	0	0	0	24	75	0	1	0
05033	0	0	0	14	85	0	1	0
05034	0	0	0	13	84	1	2	0
05035	0	0	0	10	86	2	2	0

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05041	0	0	0	14	83	2	1	0
05042	0	0	0	19	79	2	1	0
05043	0	0	0	13	83	2	2	0
05044	0	0	0	17	82	0	1	0
05045	0	0	0	16	84	0	0	0

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05051	0	0	0	18	81	0	1	0
05052	0	0	0	25	73	0	2	0
05053	0	0	0	22	77	0	1	0
05054	0	0	0	12	84	3	1	0
05055	0	0	0	22	79	0	0	0

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	BLAST %	META %	BAND %	SEG %	LYMPH %	MONO %	EOSIN %	BASO %
05061	0	0	0	27	73	0	0	[illegible]
05062	0	0	0	16	83	1	0	1
05063	0	0	0	27	72	0	1	1
05064	0	0	0	13	85	0	1	1
05064	0	0	0	14	85	0	1	0

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3
ERYTHROCYTE AND LEUKOCYTE MORPHOLOGY
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
04996	4	-	T	-
04997	2	-	T	-
04998	3	T	T	-
04999	3	T	T	-
05000	4	-	T	-
05001	3	T	T	-
05002	3	T	T	-
05003	3	T	T	-
05004	3	-	T	1
05005	3	-	T	1

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05011	3	-	T	-
05012	1	1	T	-
05013	4	-	T	3
05014	3	T	T	1
05015	4	-	T	-

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05021	3	T	T	-
05022	4	-	T	-
05023	3	-	T	1
05024	3	T	T	-
05025	4	-	T	1

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 3 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05031	3	-	T	-
05032	3	T	T	-
05033	3	1	T	2
05034	4	-	T	2
05035	3	T	T	3

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05041	2	1	T	-
05042	4	-	T	-
05043	3	-	T	1
05044	4	-	T	-
05045	4	-	T	-

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05051	2	T	T	-
05052	3	T	T	3
05053	4	-	T	1
05054	3	1	T	-
05055	3	T	T	-

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL	ECHINO	TARGET	POLY	NRBC
05061	3	T	T	-
05062	3	T	T	-
05063	3	T	T	-
05064	3	-	T	-
05065	3	T	T	-

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Appendix 4
Individual and Mean Clinical Chemistry Values
Two-Week Gavage Administration of PET to Rats

HT = Trace hemolysis
H1 = Slight hemolysis
H2 = Moderate hemolysis
H3 = Marked hemolysis
H4 = Severe hemolysis

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 4
INDIVIDUAL & MEAN CLINICAL CHEMISTRY VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
04986 HT	5.6	3.2	1.33	219	14.0	86	34
04987 HT	5.6	3.2	1.33	190	17.0	80	32
04988 HT	6.0	3.4	1.31	198	16.0	106	31
04989 H3	5.6	3.2	1.33	222	16.0	95	33
04990	5.7	3.3	1.38	198	16.0	95	30
04991	5.7	3.3	1.38	225	15.0	88	36
04992 HT	5.8	3.4	1.42	199	16.0	86	30
04993 HT	5.3	3.2	1.52	221	18.0	90	26
04994 HT	5.6	3.5	1.67	181	15.0	82	25
04995	5.7	3.4	1.48	190	15.0	79	29
MEAN	5.7	3.3	1.42	204	15.8	89	31
S.D.	.18	.11	.112	16.0	1.14	8.2	3.4

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05006 HT	5.7	3.3	1.38	232	19.0	98	31
05007 HT	5.7	3.3	1.38	227	17.0	88	37
05008 H1	5.3	3.1	1.41	209	16.0	79	31
05009	5.5	3.3	1.50	191	18.0	87	34
05010	5.6	3.5	1.67	219	15.0	74	34
MEAN	5.6	3.3	1.47	216	17.2	85	33
S.D.	.17	.14	.124	16.3	1.79	9.2	2.5

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 4 -CONTINUED

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05016	5.4	3.2	1.46	218	17.0	85	31
05017	6.0	3.3	1.22	215	15.0	108	30
05018 HT	5.3	3.0	1.31	213	16.0	90	29
05019 HT	5.7	3.5	1.59	226	16.0	93	34
05020 HT	5.4	3.4	1.70	220	14.0	77	33
MEAN	5.6	3.3	1.46	218	15.6	91	31
S.D.	.29	.19	.197	5.0	1.14	11.5	2.1

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05026 HT	6.0	3.5	1.40	217	18.0	106	33
05027 HT	5.8	3.3	1.32	221	15.0	97	30
05028	5.3	3.1	1.41	192	14.0	84	32
05029	5.4	3.4	1.70	205	18.0	94	27
05030 HT	5.7	3.5	1.59	200	14.0	86	29
MEAN	5.6	3.4	1.48	207	15.8	93	30
S.D.	.29	.17	.156	12.0	2.05	8.9	2.4

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05036	5.6	3.3	1.44	213	18.0	80	28
05037	5.3	3.0	1.31	164	13.0	84	25
05038	5.6	3.3	1.44	214	14.0	94	32
05039	5.8	3.5	1.52	198	15.0	91	30
05040 HT	5.3	3.4	1.79	249	14.0	77	33
MEAN	5.5	3.3	1.50	208	14.8	85	[illegible]
S.D.	.22	.19	.181	30.7	1.92	[illegible]	[illegible]

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 4 -CONTINUED

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05046	5.8	3.5	1.52	238	19.0	87	30
05047 H1	5.9	3.4	1.36	206	16.0	99	29
05048	5.6	3.4	1.55	185	14.0	87	25
05049 HT	5.7	3.6	1.72	230	16.0	94	31
05050 HT	5.8	3.7	1.76	198	16.0	92	25
MEAN	5.8	3.5	1.59	211	16.2	92	28
S.D.	.11	.13	.161	22.1	1.79	5.1	2.8

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05056	6.0	3.6	1.50	303	17.0	96	40
05057 HT	5.8	3.3	1.32	254	16.0	82	38
05058	6.0	3.7	1.61	208	16.0	90	37
05059 H2	6.2	3.8	1.58	237	18.0	91	51
05060	5.6	3.4	1.55	197	14.0	72	32
MEAN	5.9	3.6	1.51	240	16.2	86	40 3+
S.D.	.23	.21	.115	42.0	1.48	9.4	7.0

000080

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 4
INDIVIDUAL & MEAN CLINICAL CHEMISTRY VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
04996 HT	5.3	3.2	1.52	190	18.0	97	32
04997 HT	5.5	3.2	1.39	193	17.0	86	33
04998 HT	5.4	3.2	1.46	199	19.0	82	29
04999 H2	5.4	3.2	1.46	192	17.0	80	45
05000 H1	5.4	3.2	1.46	191	19.0	95	34
05001 HT	5.0	3.0	1.50	200	18.0	82	32
05002 H2	5.4	3.4	1.70	190	20.0	77	31
05003 HT	5.2	3.0	1.36	170	20.0	75	30
05004 [a]H2	2.7	1.7	1.70	95	11.0	37	16
05005 HT	5.6	3.3	1.44	196	20.0	81	30
MEAN	5.1	3.0	1.50	182	17.9	79	31
S.D.	.86	.49	.116	31.5	2.69	16.5	7.6

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05011 HT	5.3	3.3	1.65	175	20.0	104	32
05012 H1	5.6	3.3	1.44	218	18.0	73	39
05013 H1	5.5	3.2	1.39	195	17.0	84	36
05014	5.5	3.3	1.50	207	17.0	81	33
05015 HT	5.9	3.5	1.46	197	17.0	84	31
MEAN	5.6	3.3	1.49	198	17.8	85	35
S.D.	.22	.11	.099	16.0	1.30	11.4	3.8

[a] This sample leaked while thawing, which may have affected the concentration of the remaining sample.

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 4 -CONTINUED

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05021 H2	5.6	3.3	1.44	176	16.0	87	33
05022 HT	5.4	3.2	1.46	188	19.0	85	28
05023 HT	5.6	3.3	1.44	209	20.0	93	30
05024 H1	5.7	2.5	.73	846	20.0	88	34
05025	5.7	3.2	1.28	233	17.0	80	30
MEAN	5.6	3.1	1.23	330	18.4	87	31
S.D.	.12	.34	.286	289.0	1.82	4.7	2.4

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05031 H1	5.9	3.5	1.46	195	18.0	89	38
05032 HT	5.4	3.2	1.46	207	19.0	94	36
05033 HT	5.5	3.2	1.39	191	18.0	97	36
05034	5.2	3.2	1.60	200	15.0	70	31
05035 H2	5.8	3.4	1.42	204	19.0	80	34
MEAN	5.6	3.3	1.47	199	17.8	86	35
S.D.	.29	.14	.081	6.5	1.64	11.0	2.6

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05041 H1	5.6	3.3	1.44	187	17.0	92	30
05042 HT	5.5	3.2	1.39	178	20.0	89	35
05043 HT	5.5	3.4	1.62	198	15.0	86	30
05044 HT	5.3	3.2	1.52	219	16.0	70	36
05045	5.0	3.1	1.63	204	16.0	77	34
MEAN	5.4	3.2	1.52	197	16.3	80	34
S.D.	.24	.11	.107	15.3	1.92	9.[illegible]	2.7

000082

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 4 -CONTINUED

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05051 HT	5.2	3.2	1.60	186	16.0	86	28
05052 HT	5.2	3.2	1.60	195	17.0	95	35
05053 HT	5.4	3.3	1.57	220	16.0	76	34
05054 HT	5.6	3.4	1.55	199	17.0	87	34
05055 HT	5.3	3.3	1.65	233	15.0	85	31
MEAN	5.3	3.3	1.59	205	16.2	86	32
S.D.	.17	.08	.039	21.2	.84	6.8	2.9

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	T PROT GM/DL	ALBUMIN GM/DL	ALB/GLOB RATIO	ALK PHOS IU/L	BUN MG/DL	GLUCOSE MG/DL	SGPT IU/L
05061 H2	5.5	3.3	1.50	261	16.0	93	43
05062 H1	5.4	3.3	1.57	188	17.0	79	39
05063 HT	5.9	3.6	1.57	222	18.0	95	37
05064 HT	5.8	3.6	1.64	162	15.0	50	31
05065 HT	5.3	3.3	1.65	227	14.0	82	38
MEAN	5.6	3.4	1.59	212	16.0	80	38
S.D.	.26	.16	.061	38.1	1.58	18.0	4.3

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Standard Urinalysis Key

Transparency

CL = Clear
H = Hazy
CY = Cloudy
T = Turbid

Color

PY = Pale Yellow
Y = Yellow
DY = Dark Yellow
B = Brown
CO = Colorless
R = Red
BL = Black

Grading

GLUCOSE:

- = Negative
T = Trace, 1/10 g/dl
1 = ¼ g/dl
2 = ½ g/dl
3 = 1 g/dl
4 = 2 or more g/dl

PROTEIN:

- = Negative
T = Trace
1 = 30 mg/dl
2 = 100 mg/dl
3 = 300 mg/dl
4 = over 1000 mg/dl

BILIRUBIN:

- = Negative
1 = Small
2 = Moderate
3 = Large

KETONES:

T = 5 mg/dl
1+ = 15 mg/dl
2+ = 40 mg/dl
3+ = 80 mg/dl
4+ = 160 mg/dl

OCCULT BLOOD:

- = Negative
NT = Nonhemolyzed trace
HT = Hemolyzed trace
1 = Small
2 = Moderate
3 = Large

UROBILINOGEN:

Values in
Ehrlich Units/dl

Microscopic Findings

RBC/HPF = Red blood cells per high power field
WBC/HPF = White blood cells per high power field
EPITH/HPF = Epithelial cells per high power field
AMORPH/LPF = Amorphous crystals per low power field
CRYSTALS/LPF = Crystals per low power field
BACTERIA/LPF = Bacteria per low power field
CASTS/LPF = Casts per low power field
YEAST/LPF = Yeast per low power field
SPERM/LPF = Sperm per low power field
TNTC = Too numerous to count

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Appendix 5
Individual Clinical Urinalysis Values
Two-Week Gavage Administration of PET to Rats

PROJECT: 3230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5
INDIVIDUAL CLINICAL URINALYSIS VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
04986	CL-PY	7.0	1.010	-	T
04987	H-Y	6.5	1.044	-	T
04988	H-Y	6.5	1.048	-	T
04989	H-Y	6.5	1.036	-	T
04990	CY-PY	7.0	1.015	-	T
04991	CL-PY	7.0	1.017	-	T
04992	CL-PY	7.0	1.029	-	T
04993	CL-PY	6.5	1.026	-	T
04994	CL-Y	6.5	1.050	-	T
04995	CL-Y	6.5	1.028	-	T

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05006	CL-Y	6.5	1.046	-	T
05007	CY-PY	6.5	1.019	-	T
05008	CY-PY	7.0	1.030	-	T
05009	H-PY	7.0	1.034	-	T
05010	CL-Y	7.0	1.036	-	T

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05016	CL-Y	6.5	1.048	-	T
05017	CL-PY	6.5	1.028	-	T
05018	H-Y	7.0	1.026	-	T
05019	CL-PY	6.5	1.034	-	T
05020	H-Y	6.5	1.036	-	T

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05026	CL-Y	6.5	1.052	-	T
05027[a]	CL-Y	6.5	1.044	-	T
05028	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST
05029	CL-Y	6.5	1.046	-	1
05030	CL-PY	6.5	1.020	-	T

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05036	H-Y	6.5	1.036	-	1
05037	H-Y	6.5	1.026	-	T
05038	CL-PY	6.5	1.038	-	1
05039	CL-PY	6.5	1.026	-	1
05040	H-Y	6.0	1.060+	-	-

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05046	CL-PY	6.5	1.030	-	1
05047	CL-Y	6.0	1.060	-	1
05048	CL-PY	6.5	1.040	-	1
05049	CL-PY	6.5	1.048	-	T
05050	CL-PY	6.5	1.016	-	T

GROUP: 7 DOSE LEVEL: 900 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05056	H-PY	6.5	1.024	-	-
05057	CL-PY	6.0	1.034	-	-
05058	CL-PY	6.5	1.028	-	-
05059	CL-PY	6.5	1.020	-	-
05060	CL-PY	6.5	1.028	-	-

+ Value in excess of that indicated.

[a] Unable to obtain sample.

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5
INDIVIDUAL CLINICAL URINALYSIS VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
04986	T	-	HT	0.1
04987	1	-	3	0.5
04988	1	-	1	0.5
04989	1	-	-	0.5
04990	T	-	HT	0.1
04991	T	-	2	0.1
04992	1	-	1	0.1
04993	1	-	-	0.5
04994	1	-	2	0.5
04995	T	-	1	0.1

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05006	1	-	-	0.5
05007	T	-	1	0.1
05008	1	-	1	0.5
05009	1	-	HT	0.5
05010	1	-	1	0.5

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05016	1	-	-	0.5
05017	T	-	-	0.1
05018	1	-	2	0.1
05019	1	-	-	0.1
05020	1	-	HT	0.1

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05026	1	-	HT	0.5
05027	1	-	1	0.5
05029	1	-	2	0.5
05030	T	-	1	0.1
05028[a]	NO TEST	NO TEST	NO TEST	NO TEST

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05036	1	-	-	0.5
05037	T	-	HT	0.1
05038	1	-	-	0.1
05039	1	-	-	0.1
05040	2	-	-	0.5

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05046	T	-	-	0.5
05047	1	-	-	0.5
05048	1	-	-	0.1
05049	1	-	-	0.5
05050	T	-	-	0.1

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05056	T	-	-	0.1
05057	1	-	-	0.1
05058	1	-	-	0.1
05059	T	-	-	0.1
05060	T	-	-	0.1

[a] Unable to obtain sample.

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5
INDIVIDUAL MICROSCOPIC URINALYSIS FINDINGS
TWO WEEK GAVAGE ADMINISTRATION OF PET OF RATS

MALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
04986	-	-	-	-	FEW	MANY	-	-	-
04987	0-1	-	-	-	FEW	MANY	-	-	-
04988	-	-	-	-	FEW	MOD	-	-	-
04989	0-1	-	-	-	FEW	MANY	-	-	FEW
04990	-	-	-	-	-	MANY	-	-	-
04991	-	-	-	-	FEW	MANY	-	-	FEW
04992	-	-	-	-	FEW	MOD	-	-	-
04993	-	-	-	-	FEW	MANY	-	-	-
04994	2-5	-	-	-	FEW	FEW	-	-	-
04995	-	-	-	-	FEW	MANY	-	-	-

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05006	-	-	-	-	FEW	FEW	-	-	-
05007	-	-	-	-	FEW	MOD	-	-	-
05008	-	-	-	-	FEW	MANY	-	-	-
05009	-	-	-	-	FEW	MANY	-	-	FEW
05010	-	-	-	-	MOD	MANY	-	-	-

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05016	-	-	-	-	FEW	MOD	-	-	-
05017	-	-	-	-	FEW	MANY	-	-	-
05018	0-1	-	-	-	FEW	MANY	-	-	-
05019	-	-	-	-	FEW	MANY	-	-	-
05020	0-1	-	-	-	FEW	FEW	-	-	-

PROJECT: S230235 SPECIES: RAT SEX: MALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05026	-	-	-	-	FEW	FEW	-	-	-
05027	-	-	0-1	-	FEW	MOD	-	-	-
05029	-	-	-	-	FEW	MOD	-	-	-
05030	0-1	-	-	-	FEW	MANY	-	-	-
05028[a]	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST	NO TEST

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05036	-	-	-	-	FEW	MANY	-	-	-
05037	-	-	-	-	FEW	MANY	-	-	-
05038	-	-	-	-	FEW	FEW	-	-	-
05039	-	-	-	-	FEW	MOD	-	-	-
05040[b]	0-1	-	0-1	-	FEW	MANY	-	-	-

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05046	-	-	-	-	FEW	FEW	-	-	-
05047	-	-	-	-	FEW	FEW	-	-	-
05048	-	-	-	-	FEW	MOD	-	-	-
05049	0-1	-	-	-	FEW	MOD	-	-	-
05050	-	-	-	-	FEW	MOD	-	-	-

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05056	-	-	-	-	FEW	MANY	-	-	-
05057	-	-	-	-	FEW	MOD	-	-	-
05058	0-1	-	-	-	FEW	MOD	-	-	-
05059	-	-	0-1	-	FEW	FEW	-	-	-
05060	-	-	-	-	FEW	MOD	-	-	-

[a] Unable to obtain sample.
[b] Insufficient amount of sample for microscopic examination of sediment.

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5
INDIVIDUAL CLINICAL URINALYSIS VALUES
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
04996	CY-Y	6.5	1.019	-	-
04997	CY-Y	6.5	1.034	-	T
04998	CL-PY	6.5	1.032	-	-
04999	CL-DY	6.0	1.060+	-	-
05000	CL-PY	7.0	1.023	-	T
05001	CL-PY	6.5	1.021	-	T
05002	CL-PY	6.5	1.015	-	-
05003	CL-PY	6.5	1.018	-	-
05004	CL-PY	6.5	1.015	-	-
05005	CL-Y	6.5	1.032	-	T

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05011	CY-PY	6.5	1.018	-	-
05012	CL-Y	6.5	1.019	-	-
05013	CY-Y	6.5	1.014	-	-
05014	CL-Y	6.5	1.025	-	-
05015	CL-DY	6.5	1.060+	-	T

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05021	CL-PY	7.0	1.011	-	-
05022	CL-PY	7.0	1.017	-	-
05023	CL-PY	6.5	1.014	-	-
05024	H-Y	6.5	1.056	-	T
05025	CL-PY	6.5	1.010	-	-

+ Value in excess of that indicated.

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05031	CL-PY	6.5	1.012	-	T
05032	CL-Y	6.5	1.029	-	T
05033	CL-Y	6.5	1.025	-	T
05034	CL-DY	6.0	1.044	-	T
05035	H-PY	6.5	1.026	-	T

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05041	CL-PY	6.5	1.017	-	T
05042	CL-Y	6.0	1.046	-	1
05043	CL-PY	6.5	1.017	-	T
05044	CL-PY	6.5	1.015	-	T
05045	H-PY	6.5	1.031	-	T

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05051	CL-PY	6.0	1.038	-	T
05052	CL-PY	6.5	1.016	-	T
05053	CL-Y	6.5	1.024	-	T
05054	CL-Y	6.0	1.046	-	T
05055	CL-PY	6.5	1.014	-	-

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	APPEAR	PH	SP GR	GLUCOSE	KETONES
05061	CL-PY	6.0	1.013	-	-
05062	CL-PY	6.0	1.012	-	-
05063	CL-PY	6.5	1.032	-	-
05064	CL-PY	6.5	1.023	-	-
05065	CL-PY	6.0	1.019	-	-

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5
INDIVIDUAL CLINICAL URINALYSIS VALUES
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
04996	T	-	HT	0.1
04997	T	-	2	0.1
04998	T	-	-	0.1
04999	1	-	HT	1.0
05000	T	-	-	0.1
05001	T	-	HT	0.1
05002	-	-	-	0.1
05003	T	-	2	0.1
05004	T	-	-	0.1
05005	T	-	HT	0.5

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05011	T	-	1	0.1
05012	T	-	HT	0.1
05013	T	-	HT	0.1
05014	T	-	1	0.1
05015	1	-	2	0.5

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05021	-	-	-	0.1
05022	T	-	-	0.1
05023	T	-	-	0.1
05024	1	-	HT	0.5
05025	-	-	-	0.1

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05031	-	-	-	0.1
05032	T	-	HT	0.1
05033	T	-	-	0.1
05034	1	-	-	0.5
05035	T	-	-	0.1

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05041	T	-	-	0.1
05042	T	-	-	0.5
05043	-	-	HT	0.1
05044	-	-	-	0.1
05045	T	-	-	0.1

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05051	T	-	-	0.1
05052	-	-	-	0.1
05053	T	-	HT	0.1
05054	1	-	-	0.5
05055	-	-	-	0.1

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	PROTEIN	BILI	OC BLD-U	UROBIL U/DL
05061	-	-	-	0.1
05062	T	-	-	0.1
05063	T	-	-	0.1
05064	T	-	-	0.1
05065	T	-	-	0.1

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5
INDIVIDUAL MICROSCOPIC URINALYSIS FINDINGS
TWO WEEK GAVAGE ADMINISTRATION OF PET TO RATS

FEMALES WEEK : 3

GROUP: 1 DOSE LEVEL: CONTROL DOSAGE UNIT:

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
04996	-	-	-	-	FEW	MANY	-	-	-
04997	0-1	-	-	-	FEW	MANY	-	-	-
04998	-	-	-	-	FEW	MOD	-	-	-
04999[a]	-	-	-	-	FEW	FEW	-	-	-
05000	-	-	-	-	FEW	MOD	-	-	-
05001	-	-	0-1	-	-	MOD	-	-	-
05002	-	-	-	-	FEW	MANY	-	-	-
05003	-	-	-	-	FEW	MANY	-	-	-
05004	-	-	0-1	-	FEW	MOD	-	-	-
05005	0-1	-	-	-	FEW	MANY	-	-	-

GROUP: 2 DOSE LEVEL: 25 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05011	-	-	-	-	FEW	MANY	-	-	-
05012	-	-	-	-	FEW	FEW	-	-	-
05013	-	-	-	-	-	MANY	-	-	-
05014	-	-	-	-	FEW	MOD	-	-	-
05015	-	-	-	-	FEW	MANY	-	-	-

GROUP: 3 DOSE LEVEL: 50 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05021	-	-	0-1	-	MOD	MOD	-	-	-
05022	-	-	-	-	FEW	MOD	-	-	-
05023	-	-	-	-	FEW	MANY	-	-	-
05024	-	-	-	-	FEW	FEW	-	-	-
05025	-	-	-	-	FEW	FEW	-	-	-

[a] Insufficient amount of sample for microscopic examination of sediment.

PROJECT: S230235 SPECIES: RAT SEX: FEMALES WEEK : 3

APPENDIX 5 -CONTINUED

GROUP: 4 DOSE LEVEL: 100 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05031	-	-	-	-	FEW	MANY	-	-	-
05032	-	-	-	-	FEW	FEW	-	-	-
05033	-	-	-	-	FEW	FEW	-	-	-
05034	-	-	-	-	FEW	FEW	-	-	-
05035	0-1	-	-	-	FEW	MOD	-	-	-

GROUP: 5 DOSE LEVEL: 200 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05041	-	-	-	-	FEW	FEW	-	-	-
05042	-	-	-	-	FEW	FEW	-	-	-
05043	-	-	-	-	FEW	MANY	-	-	-
05044	-	-	-	-	FEW	MOD	-	-	-
05045	-	-	-	-	FEW	FEW	-	-	-

GROUP: 6 DOSE LEVEL: 400 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05051	-	-	-	-	FEW	FEW	-	-	-
05052	-	-	-	-	FEW	MANY	-	-	-
05053	-	-	-	-	FEW	MOD	-	-	-
05054	-	-	0-1	-	FEW	FEW	-	-	-
05055	-	-	-	-	FEW	FEW	-	-	-

GROUP: 7 DOSE LEVEL: 800 DOSAGE UNIT: MG/KG

ANIMAL NUMBER	RBC PERHPF	WBC PERHPF	EPITH PERHPF	AMORPH PERLPF	CRYSTALS PERLPF	BACTERIA PERLPF	CASTS PERLPF	YEAST PERLPF	SPERM PERLPF
05061	-	-	-	-	FEW	FEW	-	-	-
05062	-	-	-	-	FEW	MOD	-	-	-
05063	-	-	-	-	FEW	MOD	-	-	-
05064	-	-	-	-	FEW	FEW	-	-	-
05065	-	-	0-1	-	FEW	FEW	-	-	-

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6
INDIVIDUAL AND MEAN TERMINAL BODY WEIGHTS
ORGAN WEIGHTS, ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP 1 (CONTROL MG/KG)

ANIMAL NUMBER	BODY	ADRENALS		LUNGS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
04986	160.20	.0300	.0187	.772	.482
04987	139.50	.0280	.0201	.710	.509
04988	171.30	.0360	.0210	.802	.468
04989	158.10	.0290	.0183	.711	.450
04990	172.40	.0380	.0220	.861	.499
04991	163.60	.0360	.0220	.762	.466
04992	162.50	.0300	.0185	.831	.511
04993	160.10	.0370	.0231	.695	.434
04994	151.10	.0400	.0265	.738	.488
04995	169.60	.0390	.0230	.726	.428
MEAN	160.84	.0343	.0213	.761	.474
S.D.	9.938	.00455	.00256	.0557	.0297

GROUP 2 (25 MG/KG)

ANIMAL NUMBER	BODY	ADRENALS		LUNGS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
05006	166.30	.0350	.0210	.787	.473
05007	158.20	.0330	.0209	.704	.445
05008	159.20	.0360	.0226	.734	.461
05009	151.60	.0340	.0224	.698	.460
05010	161.60	.0320	.0198	.828	.512
MEAN	159.38	.0340	.0213	.750	.470
S.D.	5.357	.00158	.00117	.0560	.0255

000098

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 3 (50 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05016	170.00	.0300	.0176	.781	.459
05017	160.40	.0360	.0214	.775	.460
05018	149.30	.0290	.0194	.652	.437
05019	146.90	.0330	.0225	.717	.488
05020	150.90	.0390	.0258	.710	.471
MEAN	157.10	.0334	.0214	.727	.463
S.D.	11.152	.00416	.00312	.0530	.0187

GROUP 4 (100 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05026	159.80	.0440	.0275	.818	.512
05027	168.80	.0340	.0201	.801	.475
05028	164.60	.0400	.0243	.967	.587
05029	167.00	.0370	.0222	.770	.461
05030	157.10	.0350	.0223	.752	.479
MEAN	163.46	.0380	.0233	.822	.503
S.D.	4.904	.00406	.00280	.0853	.0509

GROUP 5 (200 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05036	162.60	.0300	.0185	.802	.493
05037	143.80	.0370	.0257	.675	.469
05038	170.00	.0370	.0218	.813	.478
05039	166.90	.0340	.0204	.766	.459
05040	162.60	.0340	.0209	.776	.477
MEAN	161.18	.0344	.0214	.766	.475
S.D.	10.206	.00288	.00269	.0545	.0126

000099

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 6 (400 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05046	152.50	.0300	.0185	.790	.486
05047	132.10	.0310	.0235	.652	.494
05048	148.00	.0360	.0243	.670	.453
05049	157.60	.0350	.0222	.710	.451
05050	161.80	.0390	.0241	.731	.452
MEAN	152.40	.0342	.0225	.711	.467
S.D.	12.736	.00370	.00241	.0543	.0211

GROUP 7 (800 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05056	139.60	.0390	.0279	.631	.452
05057	139.70	.0380	.0272	.645	.462
05058	136.20	.0340	.0250	.697	.512
05059	136.30	.0350	.0257	.692	.508
05060	138.30	.0390	.0282	.682	.493
MEAN	138.02 S-	.0370	.0268 S+	.669	.485
S.D.	1.708	.00235	.00142	.0296	.0271

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6
INDIVIDUAL AND MEAN TERMINAL BODY WEIGHTS
ORGAN WEIGHTS, ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP 1 (CONTROL MG/KG)

ANIMAL NUMBER	BODY	LIVER		KIDNEYS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
04986	160.20	5.423	3.385	1.214	.758
04987	139.50	4.528	3.246	1.145	.821
04988	171.30	6.295	3.675	1.358	.793
04989	158.10	5.075	3.210	1.336	.845
04990	172.40	5.910	3.428	1.346	.781
04991	163.60	5.627	3.439	1.353	.827
04992	162.50	5.665	3.486	1.313	.808
04993	160.10	5.482	3.424	1.370	.856
04994	151.10	5.070	3.355	1.205	.797
04995	169.60	6.282	3.704	1.370	.808
MEAN	160.84	5.[illegible]	3.435	1.301	.809
S.D.	9.938	.5537	.1591	.0816	.0294

GROUP 2 (25 MG/KG)

ANIMAL NUMBER	BODY	LIVER		KIDNEYS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
05006	166.30	5.513	3.315	1.288	.775
05007	158.20	5.385	3.404	1.393	.881
05008	159.20	5.396	3.389	1.212	.761
05009	151.60	5.310	3.503	1.309	.863
05010	161.60	5.387	3.334	1.275	.789
MEAN	159.38	5.398	3.389	1.295	.814
S.D.	5.357	.0729	.0736	.0655	.0544

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 3 (50 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05016	170.00	5.663	3.331	1.360	.800
05017	168.40	6.034	3.583	1.357	.806
05018	149.30	5.629	3.770	1.289	.863
05019	146.90	5.113	3.481	1.194	.813
05020	150.90	5.231	3.467	1.295	.858
MEAN	157.10	5.534	3.526	1.299	.828
S.D.	11.152	.3690	.1632	.0675	.0303

GROUP 4 (100 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05026	159.80	6.401	4.006	1.476	.924
05027	168.80	5.961	3.531	1.372	.813
05028	164.60	5.575	3.387	1.345	.817
05029	167.00	5.527	3.310	1.408	.843
05030	157.10	5.303	3.376	1.335	.850
MEAN	163.46	5.753	3.522	1.387	.849
S.D.	4.904	.4326	.2823	.0571	.0445

GROUP 5 (200 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05036	162.60	5.831	3.586	1.415	.870
05037	143.80	4.957	3.447	1.313	.913
05038	170.00	6.163	3.625	1.427	.839
05039	166.90	6.250	3.745	1.361	.815
05040	162.60	5.695	3.502	1.388	.854
MEAN	161.18	5.779	3.581	1.381	.853
S.D.	10.206	.5135	.1150	.0457	.0366

PROJECT: 230235 SPECIES: RAT SEX: MALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 6 (400 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05046	162.50	5.996	3.690	1.314	.809
05047	132.10	5.269	3.989	1.242	.940
05048	148.00	5.791	3.913	1.249	.844
05049	157.60	6.246	3.963	1.484	.942
05050	161.80	6.141	3.795	1.341	.829
MEAN	152.40	5.889	3.870 S+	1.326	.873
S.D.	12.736	.3861	.1251	.0979	.0636

GROUP 7 (800 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05056	139.60	6.562	4.701	1.383	.991
05057	139.70	6.947	4.973	1.424	1.019
05058	136.20	6.389	4.691	1.260	.925
05059	136.30	6.143	4.507	1.343	.985
05060	138.30	6.134	4.435	1.355	.980
MEAN	138.02 S-	6.435 S+	4.661 S+	1.353	.980 S+
S.D.	1.708	.3377	.2088	.0606	.0343

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6
INDIVIDUAL AND MEAN TERMINAL BODY WEIGHTS
ORGAN WEIGHTS, ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP 1 (CONTROL MG/KG)

ANIMAL NUMBER	BODY	ADRENALS		LUNGS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
04996	110.40	.0350	.0317	.650	.539
04997	108.40	.0400	.0369	.620	.572
04998	119.90	.0410	.0342	.677	.565
04999	106.90	.0430	.0402	.589	.551
05000	116.00	.0420	.0362	.613	.528
05001	105.80	.0350	.0331	.633	.598
05002	110.80	.0390	.0352	.591	.533
05003	111.80	.0430	.0385	.625	.559
05004	112.60	.0400	.0355	.648	.575
05005	111.30	.0410	.0368	.692	.622
MEAN	111.39	.0399	.0358	.634	.569
S.D.	4.177	.00288	.00250	.0338	.0287

GROUP 2 (25 MG/KG)

ANIMAL NUMBER	BODY	ADRENALS		LUNGS	
	WEIGHT GM	WEIGHT GM	RATIO %	WEIGHT GM	RATIO %
05011	103.20	.0400	.0388	.614	.595
05012	101.60	.0350	.0344	.568	.559
05013	103.40	.0320	.0309	.569	.550
05014	110.30	.0400	.0363	.609	.551
05015	110.70	.0470	.0425	.520	.524
MEAN	105.84	.0388	.0366	.588	.556
S.D.	4.313	.00572	.00435	.0218	.0255

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 3 (50 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05021	109.10	.0400	.0367	.700	.642
05022	112.20	.0360	.0321	.675	.602
05023	107.10	.0340	.0317	.724	.676
05024	78.60	.0320	.0407		
05025	102.80	.0370	.0360	1.058	1.029
MEAN	101.96	.0358	.0354	.789	.737
S.D.	13.497	.00303	.00369	.1803	.1971

GROUP 4 (100 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05031	113.40	.0400	.0353	.650	.573
05032	105.40	.0350	.0332	.580	.550
05033	111.20	.0330	.0297	.649	.584
05034	113.10	.0390	.0345	.642	.568
05035	114.40	.0400	.0350	.636	.556
MEAN	111.50	.0374	.0335	.631	.566
S.D.	3.601	.00321	.00229	.0293	.0134

GROUP 5 (200 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05041	108.40	.0380	.0351	.610	.563
05042	118.40	.0400	.0338	.665	.562
05043	112.50	.0390	.0347	.649	.577
05044	112.80	.0350	.0310	.607	.538
05045	113.70	.0400	.0352	.715	.631
MEAN	113.16	.0384	.0339	.650	.574
S.D.	3.570	.00207	.00172	.0455	.0348

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 6 (400 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05051	111.40	.0400	.0359	.591	.531
05052	116.70	.0410	.0351	.685	.587
05053	105.00	.0370	.0352	.615	.586
05054	114.10	.0410	.0359	.710	.622
05055	114.50	.0450	.0393	.682	.596
MEAN	112.34	.0408	.0363	.657	.584
S.D.	4.515	.00286	.00172	.0508	.0334

GROUP 7 (800 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	ADRENALS WEIGHT GM	ADRENALS RATIO %	LUNGS WEIGHT GM	LUNGS RATIO %
05061	103.00	.0450	.0437	.571	.554
05062	104.90	.0460	.0439	.597	.569
05063	100.30	.0450	.0449	.576	.574
05064	88.30	.0320	.0362	.514	.582
05065	99.00	.0390	.0394	.603	.609
MEAN	99.10	.0414	.0416	.572	.578
S.D.	6.460	.00594	.00366	.0352	.0202

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6
INDIVIDUAL AND MEAN TERMINAL BODY WEIGHTS
ORGAN WEIGHTS, ORGAN / BODY WEIGHT RATIOS
AND STANDARD DEVIATIONS
TWO-WEEK GAVAGE ADMINISTRATION OF PET TO RATS

GROUP 1 (CONTROL MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
04996	110.40	4.231	3.832	1.042	.944
04997	108.40	3.895	3.593	1.067	.984
04998	119.90	4.061	3.387	1.117	.932
04999	106.90	4.097	3.833	1.047	.979
05000	116.00	4.139	3.568	1.111	.958
05001	105.80	3.594	3.397	.964	.911
05002	110.80	3.726	3.363	1.049	.947
05003	111.80	3.890	3.479	1.040	.930
05004	112.60	4.166	3.700	1.012	.899
05005	111.30	3.968	3.565	1.093	.982
MEAN	111.39	3.977	3.572	1.054	.947
S.D.	4.177	.2033	.1731	.0462	.0297

GROUP 2 (25 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05011	103.20	3.691	3.577	1.096	1.062
05012	101.60	3.603	3.546	.980	.965
05013	103.40	3.740	3.617	1.009	.976
05014	110.30	3.898	3.525	1.043	.946
05015	110.70	4.011	3.623	1.135	1.025
MEAN	105.84	3.787	3.578	1.053	.995
S.D.	4.313	.1625	.0430	.0631	.0478

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 3 (50 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05021	109.10	4.010	3.676	1.067	.978
05022	112.20	3.917	3.491	1.000	.891
05023	107.10	3.878	3.621	1.038	.969
05024	78.60	3.480	4.427	.866	1.102
05025	102.80	3.494	3.399	.949	.923
MEAN	101.96	3.756	3.723	.984	.973
S.D.	13.497	.2501	.4086	.0794	.0803

GROUP 4 (100 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05031	113.40	4.090	3.607	1.070	.944
05032	105.40	3.790	3.596	1.026	.973
05033	111.20	3.862	3.473	.997	.897
05034	113.10	4.043	3.575	1.129	.998
05035	114.40	4.217	3.686	1.104	.965
MEAN	111.50	4.000	3.587	1.065	.955
S.D.	3.601	.1733	.0766	.0543	.0382

GROUP 5 (200 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05041	108.40	4.192	3.867	1.102	1.017
05042	118.40	4.453	3.761	1.100	.929
05043	112.50	4.481	3.983	1.128	1.003
05044	112.80	4.200	3.723	1.065	.944
05045	113.70	4.159	3.658	1.075	.945
MEAN	113.16	4.297	3.799	1.095	.968
S.D.	3.570	.1563	.1281	.0241	.0386

PROJECT: 230235 SPECIES: RAT SEX: FEMALE WEEK : 3

APPENDIX - 6 CONTINUED

GROUP 6 (400 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05051	111.40	4.406	3.955	1.127	1.012
05052	116.70	4.543	3.893	1.179	1.010
05053	105.00	4.270	4.067	1.001	.953
05054	114.10	4.824	4.228	1.088	.954
05055	114.50	4.442	3.879	1.085	.948
MEAN	112.34	4.497 S+	4.004 S+	1.096	.975
S.D.	4.515	.2073	.1452	.0653	.0327

GROUP 7 (800 MG/KG)

ANIMAL NUMBER	BODY WEIGHT GM	LIVER WEIGHT GM	LIVER RATIO %	KIDNEYS WEIGHT GM	KIDNEYS RATIO %
05061	103.00	4.812	4.672	1.001	.972
05062	104.90	4.675	4.457	1.030	.982
05063	100.30	4.249	4.236	1.024	1.021
05064	88.30	3.717	4.210	.816	.924
05065	99.00	4.588	4.634	.951	.961
MEAN	99.10	4.408	4.442 S+	.964	.972
S.D.	6.460	.4387	.2159	.0886	.0351

Appendix 7
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

	Group 1 - 0 mg/kg																			
	Males										Females									
Animal Number:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0
	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
No gross lesions noted	X	X	X	X	X			X	X			X	X			X			X	X
PITUITARY																				
Clear cystic area																	P			
THYMUS																				
Red/reddened area							P		P					P						
Red focal area																	P			
LUNG																				
Brown focus						P														
Red focus						P														
KIDNEY																				
Pelvis - dilated											P									
LYMPH NODES																				
Mandibular - reddened																	P			
UTERINE HORNS																				
Distended with clear fluid															P			P		

P = Finding Present.

Appendix 7 - Continued
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

ORGAN AND DESCRIPTION	Group 2 - 25 mg/kg										Group 3 - 50 mg/kg									
	Males					Females					Males					Females				
Animal Number:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
No gross lesions	X	X	X	X		X			X	X	X	X		X	X	X		X		
PITUITARY																				
Pinpoint cyst								P												
THYMUS																				
Small																			P	
LUNG																				
Yellowish-tan nodule																				P
Yellowish-tan																			P	
Nodular yellow areas																			P	
Tan area																			P	
Adherent																			P	
Dark red area																				P
HEART																				
Pale																			P	
Ventricle - pale raised area												P								
Pericardial sac - thickened																			P	
LIVER																				
Firm raised nodule adhered to diaphragm																	P			
Raised area adhered to diaphragm																				P

P - Finding Present.

Appendix 7 - Continued
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

ORGAN AND DESCRIPTION	Group 2 - 25 mg/kg										Group 3 - 50 mg/kg									
	Males					Females					Males					Females				
Animal Number:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
STOMACH																				
Glandular portion - reddened							P													
CECUM																				
Red mucosal surface					P															
LYMPH NODES																				
Mediastinal - enlarged																			P	
UTERINE HORNS																				
Distended with clear fluid																	P			

P - Finding Present.

Appendix 7 - Continued
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

ORGAN AND DESCRIPTION	Group 4 - 100 mg/kg										Group 5 - 200 mg/kg									
	Males					Females					Males					Females				
Animal Number:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
No gross lesions	X	X	X	X	X	X	X				X	X	X	X			X		X	
PITUITARY																				
Cystic area																				P
THYMUS																				
Red diffuse area															P					
STOMACH																				
Glandular portion - reddened								P								P				
- smooth								P												
UTERINE HORNS																				
Distended with clear fluid									P	P								P		

P = Finding Present.

Appendix 7 - Continued
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

	Group 6 - 400 mg/kg										Group 7 - 800 mg/kg									
	Males					Females					Males					Females				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6
ORGAN AND DESCRIPTION — Number:	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
No gross lesions	X	X	X									X	X						X	
PITUITARY																				
Gray area				P																
THYMUS																				
Red/reddened area															P					
ESOPHAGUS																				
Dark red firm nodular area																				P
LUNG																				
Brown focus/area								P								P				
Red/dark red focus/reddened area									P						P			P		
Dark area																				P
STOMACH																				
Glandular portion - smooth, thickened mucosa											P									
- pinpoint black focus														P						
- smooth						P	P	P									P			
- thin						P		P												
- reddened																	P			
CECUM																				
Walls reddened										P										

P = Finding Present.

Appendix 7 - Continued
Individual Gross Pathology Findings
Two-Week Gavage Administration of PET to Rats
Terminal Sacrifice

ORGAN AND DESCRIPTION	Group 6 - 400 mg/kg										Group 7 - 800 mg/kg									
	Males					Females					Males					Females				
Animal Number:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
LYMPH NODES																				
Deep cervical - enlarged				P																
- dark red foci				P																
Axillary - enlarged					P															
- reddened					P															
OVARY																				
Cystic									P											
UTERINE HORNS																				
Distended with clear fluid						P														

P = Finding Present.

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Appendix 8A
Analysis Report
PET

Two-Week Gavage Administration of PET to Rats
HLA Project No. 230-235

Days 1 - 16

		Dosage Level mg/kg	Target mg/ml	Assay mg/ml	% Target
Group 1					
	Aliquot 1	0	0	8.663	-
	Aliquot 2	0	0	9.249	-
	Aliquot 3	0	0	5.734	-
Group 2					
	Aliquot 1	25	22.2	25.930[a]	116.8
	Aliquot 2	25	22.2	25.149[a]	113.3
	Aliquot 3	25	22.2	25.149[a]	113.3
Group 3					
	Aliquot 1	50	43.1	45.924	106.6
	Aliquot 2	50	43.1	43.874	101.8
	Aliquot 3	50	43.1	43.581	101.1
Group 4					
	Aliquot 1	100	82.3	80.718	98.1
	Aliquot 2	100	82.3	81.303	98.8
	Aliquot 3	100	82.3	86.577	105.2
Group 5					
	Aliquot 1	200	150.24	150.432	100.1
	Aliquot 2	200	150.24	145.168	96.6
	Aliquot 3	200	150.24	144.573	96.2

[a] Average of two values.

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Appendix 8A - Continued
Analysis Report
PET

Two-Week Gavage Administration of PET to Rats
HLA Project No. 230-235

Days 1 - 16

	Dosage Level mg/kg	Target mg/ml	Assay mg/ml	% Target
Group 6				
Aliquot 1	400	255.76	259.980	101.6
Aliquot 2	400	255.76	250.605	98.0
Aliquot 3	400	255.76	255.190	98.4
Group 7				
Aliquot 1	800	394.22	389.445	98.8
Aliquot 2	800	394.22	386.514	98.0
Aliquot 3	800	394.22	392.373	99.5

Date Mixed: 10/12/81. Date Analyzed: 10/16/81.

Data not corrected for values found in control.

Dosing: 10/19/81 - 11/4/81

Appendix 8B
Analysis Report
PET

Two-Week Gavage Administration of PET to Rats
HLA Project No. 230-235

Archive Samples

	Dosage Level mg/kg	Target mg/ml	Assay mg/ml	% Target
Group 1	0	0	Used to zero instrument	
Group 2	25	22.2	23.306	105.0
Group 3	50	43.10	41.216	95.6
Group 4	100	82.30	79.587	96.7
Group 5	200	150.24	144.996	96.5
Group 6	400	255.76	251.355	98.3
Group 7	800	394.22	383.877	97.4

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Appendix 9
References
Two-Week Gavage Administration of PET to Rats

HEMATOLOGY

Leukocyte Differential and Blood Morphology

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Erythrocyte Count (RBC), Leukocyte Count (WBC), Hemoglobin (HGB), Platelet Count (PLATELET), and Hematocrit (HCT).

Coulter Counter Model S-Plus Method - Coulter Electronics, Inc., 590 West 20th Street, Hialeah, Florida 33010.

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Appendix 9 - Continued
References
Two-Week Gavage Administration of PET in Rats

CLINICAL CHEMISTRY

Albumin (ALBUMIN), Alkaline Phosphatase (ALK PHOS), Fasting Glucose (GLUCOSE), Total Protein (T PROT), Serum Glutamic Pyruvic Transaminase (SGPT)[a], Blood Urea Nitrogen (BUN).

The Centrifichem Method - Union Carbide Corporation, Clinical Diagnostics, 402 Theodore Fremd Avenue, Rye, New York 10580.

Total Globulin (GLOBULIN)

Total Protein - Albumin = Globulin (Calculated).

Albumin/Globulin (ALB/GLOB RATIO)

Albumin ÷ Globulin = Alb/Glob Ratio (Calculated).

[a] Reagents used: Dyna Zyme II, ALT(GPT)340, RD 289, J. T. Baker Diagnostics, Division of J. T. Baker Chemical Company, Bethlehem, Pennsylvania, March 1978.

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Appendix 9 - Continued
References
Two-Week Gavage Administration of PET in Rats

URINALYSIS

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Appendix 9 - Continued
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Protein

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Appendix 9 - Continued
References
Two-Week Gavage Administration of PET in Rats

URINALYSIS

Bilirubin (BILI)

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Occult Blood (OC BLD-U)

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Appendix 9 - Continued
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URINALYSIS

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Appendix 9 - Continued
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