

Monsanto

TECHNOLOGY

MAG/Env. & Public Affairs/EHL

(CO./DIV./DEPT./LOCATION)

MAC TOXICOLOGY

Final REPORT

(TYPE OF REPORT)

REPORT NO.: MSL-13077

JOB/PROJECT NO.: ML-92-542/EHL 92223

DATE: October 1, 1993

TITLE: Acute Oral Toxicity Study of CP4 EPSPS Protein in Albino Mice

AUTHORS: M. W. Naylor, B.S.

ABSTRACT: CP4 EPSPS protein (CP4) was administered as a single dose by gavage to groups of ten CD-1 mice/sex at dosages of 49, 154 and 572 mg/kg (target doses were 40, 100 and 400 mg/kg). A vehicle control group of 10 mice/sex was administered the vehicle, 50mM Na bicarbonate buffer solution, at a dosage of 33.33 ml/kg. Another control group (also termed vehicle control in the computer tables) of 10 mice/sex was administered bovine serum albumin (BSA) at a dosage of 363 mg/kg (also at 33.33 ml/kg; target dosage was 400 mg/kg). Clinical observations were performed, and body weights and food consumption were determined. All surviving animals were necropsied at study termination (Days 8-9). Numerous tissues were retained, but no tissues were examined microscopically.

There were no treatment-related effects on body weight, food consumption, survival, clinical observations or gross pathology.

There were no adverse effects by CP4 protein at dosages up to 572 mg/kg, administered by gavage to mice. Therefore, the highest dosage (572 mg/kg) of CP4 protein administered by gavage to mice was considered a No-Effect-Level (NOEL).



AA022375

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REPT. NO.: MSL-13077
AUTHORS: M. W. Naylor, B.S.
TITLE: Acute Oral Toxicity Study of CP4 EPSPS Protein in Albino Mice

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MONSANTO TOXICOLOGY STUDY SUMMARY

TEST SUBSTANCE: CP4 5-enol-pyruvyl-shikimate-3-phosphate synthase (EPSPS) protein

STUDY TITLE: Acute Oral Toxicity Study of CP4 EPSPS Protein in Albino Mice

TESTING LABORATORY: Monsanto Environmental Health Laboratory
St. Louis, Missouri

LAB STUDY NO: 92223

MONSANTO STUDY NO: ML-92-542

FINAL REPORT ISSUED: Oct. 11, 1993

SUMMARY PREPARED: June 13, 1994

PURPOSE

An acute oral toxicity test was undertaken to assess the potential mammalian toxicity of CP4 EPSPS protein. The gene for this protein has been inserted into food crops to impart tolerance to glyphosate, the active ingredient of ROUNDUP ® herbicide. This provides farmers with an alternative method for control of weeds.

METHODS

CP4 EPSPS protein (Batch no. 5192245) was administered by gavage to 3 groups of 10 CD-1 male and female mice. The test material was produced in *E. coli* bacteria and purified to > 90% purity (MSL-12901). The CP4 EPSPS protein expressed in *E. coli* was shown to be equivalent to that expressed in canola (MSL-12968). Mice were selected for dosing instead of rats since there was a limited amount of test material available via production in bacteria. Mice are considered an acceptable species for assessing mammalian safety since there is a considerable body of data regarding the toxicity of chemicals in mice.

The targeted doses of CP4 EPSPS protein administered to groups of 10 mice/sex were 0, 40, 100 and 400 mg/kg. Analysis of the dosing solutions determined that the analytically confirmed dosages given were approximately 572, 154 or 49 mg/kg CP4 EPSPS protein as a single dose in one day (MSL-12900). The highest dose administered is approximately 1300 times greater than the highest potential human exposure to CP4 EPSPS protein

(based on U.S. data) if the protein were expressed in soybean, corn, tomato and potato (assuming no loss of CP4 EPSPS due to processing).*

* Technical Assessment Systems, Inc., Exposure 1, Chronic Dietary Exposure Analysis Program (1977-78 USDA surveys).

Another group of mice was gavaged with 400 mg/kg bovine serum albumin (BSA) (Lot # 50H9300, > 98% purity) and served as a protein control group. The dosing vehicle for CP4 EPSPS and BSA proteins was 0.05 M carbonate buffer. Vehicle controls were administered the same volume of dosing vehicle given to high dosage mice.

Test animals were gavaged once with test material at a dosing rate of 33.3 ml/kg body weight. The dosing solutions were prepared the same day of dosing and samples of the dosing solutions were collected before and immediately after dosing for confirmational analysis of the dose.

Mice were observed twice daily for signs of toxicity and food consumption was recorded daily. Food and water were provided *ad libitum* during the study. Body weights were recorded pre-test and on post-dosing day 7. Food consumption was measured once (days 1-7). All animals were sacrificed on post-dosing day 8 and 9 and subjected to a gross necropsy. Approximately 40 tissues were collected and saved for each animal on test.

RESULTS

No treatment related adverse effects were observed in animals dosed with CP4 EPSPS protein. There were no statistically significant differences in body weight, cumulative body weight or food consumption between the vehicle or protein control groups and CP4 EPSPS protein treated groups.

A few minor pathologic findings were observed at necropsy which were randomly distributed among all groups and are commonly seen in the strain of mice used by the testing laboratory. None of these findings were considered treatment related.

Results of the dose confirmation analysis revealed that CP4 EPSPS was stable in the dosing solutions. This was determined by analysis of CP4 EPSPS in dosing solutions via SDS-PAGE, western blot, enzymatic assay and ELISA. The concentrations of CP4 EPSPS determined analytically were somewhat higher than the targeted concentrations. The actual dosages administered were therefore 49, 154 and 572 mg/kg compared to targeted dosages of 40, 100 and 400 mg/kg.

CONCLUSION

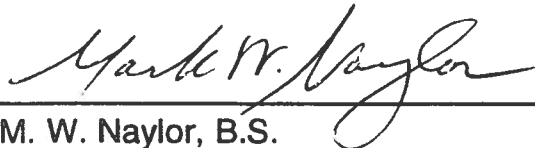
There were no adverse findings considered to be treatment related in any of the groups administered CP4 EPSPS protein by oral gavage at dosages up to 572 mg/kg. This dose represents greater than a 1300 fold safety margin relative to the highest potential human consumption of CP4 EPSPS protein expressed in a variety of food crops.

Bruce Hammond, PhD., DABT.,
Manager of Toxicology
Monsanto Agricultural Group

MAC TONKOLU
MONSANTO COMPANY
THE AGRICULTURAL GROUP
ENVIRONMENTAL HEALTH LABORATORY
645 S. NEWSTEAD
ST. LOUIS, MISSOURI 63110

Acute Oral Toxicity Study
of CP4 EPSPS Protein in Albino Mice

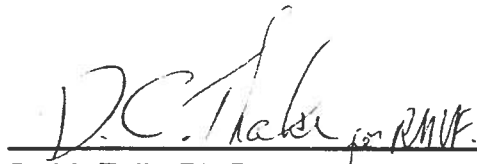
Study Number: 92223
Project Number: ML-92-542



M. W. Naylor, B.S.
Study Director

10/1/93

Date



R. M. Folk, Ph.D.
Director, Environmental Health Laboratory

10/1/93

Date

SUMMARY

CP4 EPSPS protein (CP4) was administered as a single dose by gavage to groups of ten CD-1 mice/sex at dosages of 49, 154 and 572 mg/kg (target doses were 40, 100 and 400 mg/kg). A vehicle control group of 10 mice/sex was administered the vehicle, 50mM Na bicarbonate buffer solution, at a dosage of 33.33 ml/kg. Another control group (also termed vehicle control in the computer tables) of 10 mice/sex was administered bovine serum albumin (BSA) at a dosage of 363 mg/kg (also at 33.33 ml/kg; target dosage was 400 mg/kg). Clinical observations were performed, and body weights and food consumption were determined. All surviving animals were necropsied at study termination (Days 8-9). Numerous tissues were retained, but no tissues were examined microscopically.

There were no treatment-related effects on body weight, food consumption, survival, clinical observations or gross pathology.

There were no adverse effects by CP4 protein at dosages up to 572 mg/kg, administered by gavage to mice. Therefore, the highest dosage (572 mg/kg) of CP4 protein administered by gavage to mice was considered a No-Effect-Level (NOEL).

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NAC TOXICOLOGY

TRADEMARKS

The following registered trademarks were used in this report:

ITEM

REGISTERED TRADEMARK OF:

RODENT CHOW

Purina Mills, Inc., St. Louis, MO

CD-1

Charles River Laboratories, Inc. Wilmington, MA

NOTES TO READER

TERMS

The following terms are used as column headings in some data tables:

GEN Generation (F0, F1, etc.) used in reproduction studies.
PERIOD (PER) A number corresponding to a specified interval within the study; used to facilitate data reporting.
WINDOW A series of days within a study when data could have been collected for the corresponding period. Actual data collection occurred on one or more of the days within the window.

ANIMAL IDENTIFICATION SYSTEM

The current EHL animal number format is YYXXXSGAANN where YYXXX is the study number, Y is the study year, and X is the sequence number within the year. The S represents the animal's sex, G is the primary group code, A's may represent the subgroup code (in most cases these characters are blank), and N is the animal's sequence number within the group (or subgroup), e.g., 99999M2 001. The animal designation may be further reduced by exclusion of the study number and blank subgroup codes, e.g., M2001. These abbreviated animal identifications will include five to seven characters, depending on the number of characters in the subgroup code.

MAC TOXICOLOGY

INTRODUCTION

Purpose: To determine the toxicity of CP4 protein when administered as a single dose by gavage to mice.

Date Protocol Signed by Study Director: December 21, 1992

Date of First Exposure (Day 1 of Study): December 21, 1992

Date Last Animal Sacrificed: December 29, 1992

Experimental Design: CP4 protein was administered by gavage to groups of ten CD-1 mice/sex at dosages of 49, 154 and 572 mg/kg (target doses were 40, 100 and 400 mg/kg). A vehicle control group of 10 mice/sex was administered the vehicle, 50mM Na bicarbonate buffer solution, at a dosage of 33.33 ml/kg. Another control group of 10 mice/sex was administered bovine serum albumin (BSA) at a dosage of 363 mg/kg (also at 33.33 ml/kg; target dosage was 400 mg/kg). Clinical observations were performed, and body weights and food consumption were determined. All animals were necropsied at study termination (Days 8-9). Numerous tissues were retained, but no tissues were examined microscopically.

MATERIALS AND METHODS

Test Material and Vehicle

Source (Test Material and Vehicle): The Agricultural Group, Monsanto Co.,
St. Louis, MO

Date Received: December 21, 1992

Identification: CP4 protein - >90% purity

3 solutions were prepared and provided by the sponsor; stated to be 1.2, 3.0 and 12.0 mg/ml in vehicle (Monsanto Report #MSL-12900)

EHL Substance Identification Codes: T920187, T920186 and T920185, respectively

Lot Number: nbp's 5192245 and 5212605

Identification: Vehicle - 50mM Na Carbonate buffer solution, pH 8.5

EHL Substance Identification Code: T920189

Lot Number: nbp's 5192245 and 5212605

Control Material

Identification: BSA - Crystallized and lyophilized, >98% purity
Source: Sigma Chemical Co., St. Louis, MO 63178
EHL Substance Identification Code: T920188
Lot Number: 50H9300

Test Material Formulation

Group Designations and Dosages:

Treatment Level	Group Designations (Male, Female)	Target Dosage	Nominal Conc.	Actual Dosage
Carb. buffer vehicle	MV1, FV1	33.33 ml/kg	N/A	33.33 ml/kg
BSA + vehicle	MV2, FV2	400 mg/kg	12 mg/ml	363 mg/kg*
T-1 (CP4 protein)	M1, F1	40 mg/kg	1.2 mg/ml	49 mg/kg*
T-2 (CP4 protein)	M2, F2	100 mg/kg	3 mg/ml	154 mg/kg*
T-3 (CP4 protein)	M3, F3	400 mg/kg	12 mg/ml	572 mg/kg*

*The 50mM carbonate buffer solution was used as the vehicle, and all groups were given a volume of 33.33 ml/kg. Both the BSA and CP4 protein were dissolved using the carbonate buffer vehicle. All of the dosing mixtures were true solutions. Actual dosages of CP4 groups were determined by ELISA analyses of the dosing solutions (Monsanto Report #MSL-12900).

Animals

Note: Animal housing and husbandry were in accordance with the provisions of the 'Guide to the Care and Use of Laboratory Animals', USPHS-NIH Publication No. 86-23.

Species: Albino mouse

Strain: CD-1

Source: Charles River Breeding Laboratory, Portage MI

Date of Arrival at EHL: December 8, 1992

Acclimation Period: 13 days

Number Used in Study: 100 (50 males, 50 females). Any unhealthy animals were excluded from assignment to the study.

Test Group Size: 10/sex

Method of Assignment: Computer randomization by weight

Method of Identification: Individual ear tag and bar-coded cage card

Age at Study Start: Males; approximately 5.5 weeks
Females; approximately 7 weeks (*Note - The study protocol specified an age of 7-9 weeks on the first day of the study. The younger age of the males was not considered to have had an effect on the results of this study.*)

Weight Range at Study Start: Males - 25.2 to 29.8 grams

Females - 22.7 to 27.2 grams

Type of Housing: Individual stainless steel cages

Water Availability: *ad libitum* (St. Louis public water supply, zeolite-conditioned upon entering the laboratory)

Food Availability: *ad libitum* (Purina Certified RODENT CHOW #5002)

Light Cycle: 12 hours daily (on at 6:30 A.M.)

Inlife Observations

Checks for Mortality and Moribundity: Twice daily (AM and PM)

Detailed Observations for Signs of Toxicity: Once (Day 7)

Body Weight: Prior to randomization, on Day 7 and at termination (after an overnight fast)

Food Consumption Measurement: Once (Days 1 to 7)

Gross Pathology

Animals Examined: All

Scheduled Sacrifice: Days 8-9

Extent of Examination: External and internal. Internal cavities were opened, and organs were examined *in situ* and then removed. Hollow organs were opened and examined.

Organs Weighed: None

Tissues Retained: Aorta, adrenals, brain, cecum, colon, duodenum, esophagus, eyes, femur with joint, gall bladder, gross lesions, heart, ileum, jejunum, kidneys, lungs (with mainstem bronchi), liver, lymph node (mesenteric and submaxillary), muscle (quadriceps femoris), ovaries, pancreas, pituitary, prostate, rectum, salivary gland (submaxillary), sciatic nerve, seminal vesicles, skin (with mammary tissue), spinal cord (cervical, thorax, lumbar), spleen, sternum with marrow, stomach, testes with epididymides, thymus, thyroid/parathyroid, trachea, uterus (corpus and cervix), urinary bladder

Fixatives: Eyes: 5% buffered neutral formalin/0.5% glutaraldehyde

Remaining tissues: 10% buffered neutral formalin

Statistics

The following procedures were used to detect statistically significant differences between treated animals and their respective controls:

Dunnett's Multiple Comparison Test (two-tailed) (1): Inlife body weights, cumulative weight gain and food consumption

Terminal body weights were evaluated by decision-tree statistical analysis procedures which, depending on the results of tests for normality (2) and homogeneity of variances (Bartlett's Test), utilized either parametric (Dunnett's Test and Linear Regression) or nonparametric (Kruskal-Wallis, Jonckheere's and/or Mann-Whitney Tests) routines to detect group differences and analyze for trend.

Other statistical routines used for some data were: Bartlett's Test (3) to evaluate homogeneity of variances, Analysis of Variance (4) to determine if the sample (group) means could be considered as an estimate of a common population.

RESULTS

Inlife

Mortality

Refer to Appendix 1, Table 4; Appendix 2, Table 4. All animals survived to the scheduled termination of the study.

Body Weight

Refer to Appendix 1, Tables 1 and 2; Appendix 2, Table 1. There were no statistically significant differences in group mean body weight or cumulative weight gain in any of the groups treated with either BSA or the CP4 protein, when compared to the carbonate buffer vehicle control group.

Food Consumption

Refer to Appendix 1, Table 3; Appendix 2, Table 2. There were no statistically significant differences in group mean food consumption by any of the groups treated with either BSA or the CP4 protein, when compared to the carbonate buffer vehicle control group.

Clinical Signs

Refer to Appendix 1, Table 4; Appendix 2, Table 3. There were no abnormal clinical signs.

Pathology

Gross Pathology

Refer to Appendix 1, Tables 5-6; Appendix 3, Table 1. There were no statistically significant differences in group mean terminal body weights, and there were no gross lesions considered related to treatment.

DISCUSSION

There were no adverse findings considered related to treatment in any of the groups. Therefore, the highest dosage (572 mg/kg) of CP4 protein administered by gavage to mice was considered a No-Observed-Effect-Level (NOEL).

REFERENCES

1. Dunnett, C.W. A multiple comparison procedure for comparing several treatments with a control. Jour. Am. Stat. Assoc. 50: 1096-1121 (1955).
2. BMDP Biomedical Computer Programs P Series Manual, Health Sciences Computing Facility, UCLA, University of California Press (1977).
3. Dixon, W.J. and Massey, F.J. Jr. Introduction to Statistical Analysis, 3rd Edition. McGraw-Hill Company, NY (1969).
4. Snedecor, G.W. and Cochran, W.G. Statistical Methods. Iowa State University Press, Ames, IA (1967).

ESH QUALITY ASSURANCE AUDIT STATEMENT

Study Number: 92223
ML-92-542

Protocol Amendments: None

Study Title: Acute Oral Toxicity Study of CP4 EPSPS
Protein in Albino Mice

Dates of Inspections
and Communication
of Findings: December 28, 30, 1992
January 22, 28, 1993
March 16, 1993
June 10, 11, 16, 1993

Quality Assurance
Review Conducted by: J.L. Henshaw
S.H. McClain
C.K. Russell

Results: The Quality Assurance review indicates the
final report accurately presents the raw
data as developed during the study. There
appears to be no significant deviation from
applicable GLP regulations that adversely
affected study quality or integrity.



John L. Henshaw
Director Quality & Compliance Assurance

6/17/93

Date

STATEMENT OF COMPLIANCE

The study EHL 92223 (ML-92-542) was conducted in general conformance with the EPA FIFRA (40 CFR Part 160), FDA (21 CFR Part 58), OECD and MAFF Good Laboratory Practice (GLP) Standards/Principles, with the following exception:

Test material characterization and stability were the responsibility of the Operating Unit and were not performed by the EHL.

Charles W. Naylor 10/11/93
Study Director Date

DCI/Se for JME 10/11/93
R. M. Folk Date
Director, Environmental Health Laboratory

SUPPLEMENTARY STUDY INFORMATION

Study Performed at: Environmental Health Laboratory (EHL),
645 S. Newstead, St. Louis, MO 63110

Location of Study Protocol, Original Data, Retained Tissues, Final Report
and Facility Records: Environmental Health Laboratory Archives

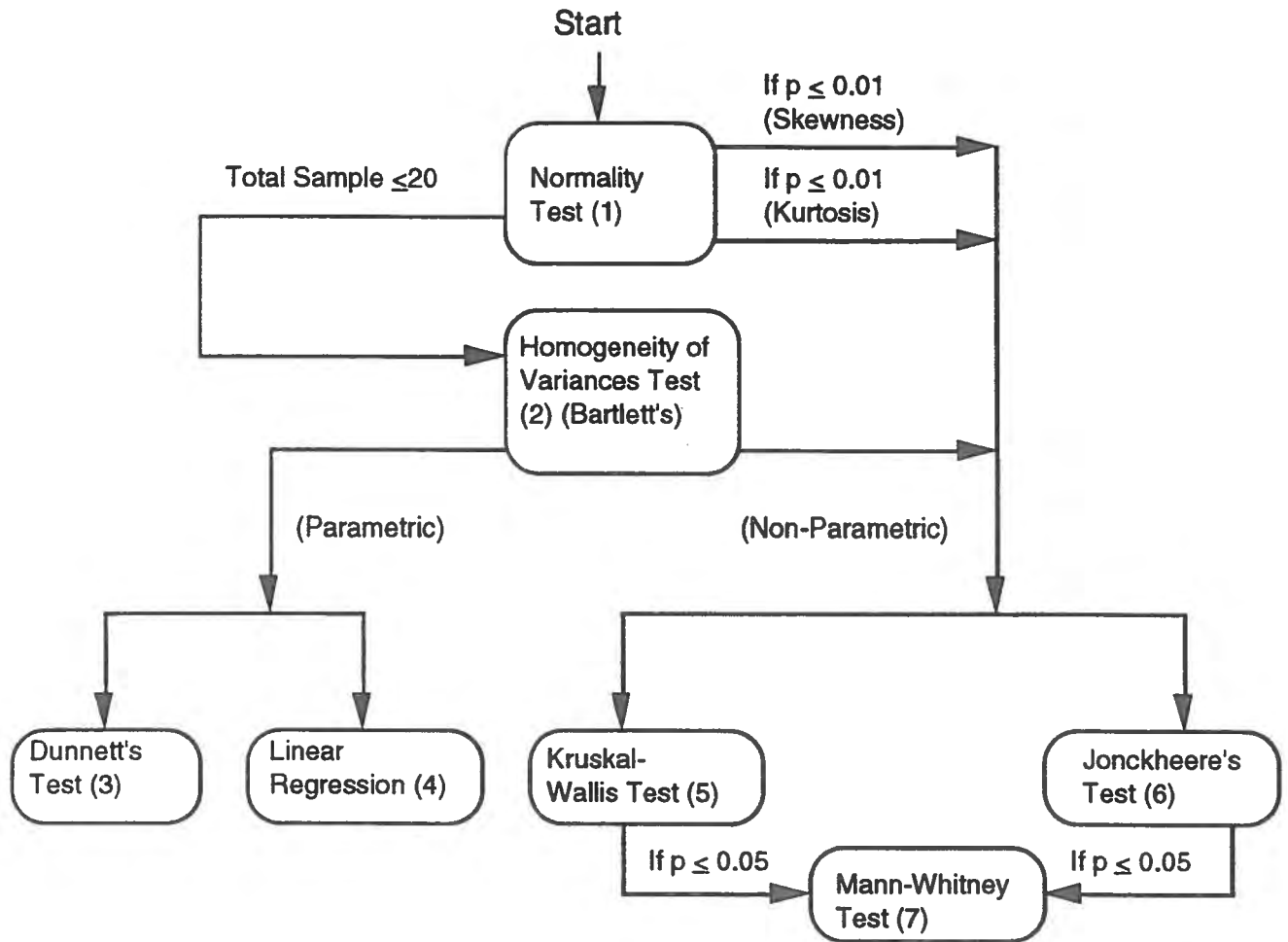
Supervisory Personnel:

F. A. Ruecker, D.V.M., Dipl. A.C.V.P.
Manager, Pathology

L. D. Stout, D.V.M., M.S.
Manager, Toxicology Studies

R. M. Folk, Ph.D.
Director, Environmental Health Laboratory

EHL DECISION-TREE STATISTICAL ANALYSIS



Note 1: Categorical data were analyzed with an Uncorrected Chi-square Test (8)

Note 2: Dunnett's and Mann-Whitney tests to detect group differences were performed two-tailed.

EHL DECISION-TREE STATISTICAL ANALYSIS

REFERENCES

1. BMDP Biomedical Computer Programs P Series Manual, Health Sciences Computing Facility, UCLA, University of California Press (1977).
2. Dixon, W.J. and Massey, F.J. Jr., Introduction to Statistical Analysis, 3rd Edition, McGraw-Hill Company, NY (1969).
3. Dunnett, C.W. A multiple comparison procedure for comparing several treatments with a control. Jour. Am. Stat. Assoc. 50: 1096-1121 (1955).
4. Draper, N.R. and Smith, H. Applied Regression Analysis. Wiley, NY (1966).
5. Breslow, N. A generalized Kruskal-Wallis test for comparing K-Samples subject to unequal patterns of censorship. Biometrika. 57: 579-594 (1970).
6. Hollander, M. and Wolfe, D.A. Nonparametric Statistical Methods. Wiley, NY (1973).
7. Mann, H.B. and Whitney, D.R. On a test of whether one of two random variables is stochastically larger than the other. Ann. Math. Stat. 18: 50-60 (1947).
8. Snedecor, G.W. and Cochran, W.G. Statistical Methods. Iowa State University Press, Ames, IA (1967).

APPENDIX 1
SUMMARY TABLES

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) SPECIES: MOUSE STRAIN/BREED: CD-1 SEX: MALE
SUMMARY OF BODY WEIGHT DATA (GM) STUDY START DATE: 21-DEC-92

GROUP	TARGET DOSE	DATE (1992):		PRE-	
		DAY OF STUDY:	TEST	7	27-DEC

MV1	33.33 ML/KG	MEAN	28.0	29.3	
VEHICLE CONTROL		STD. DEV.	1.52	1.79	
Na CARBONATE BUFFER		SAMPLE SIZE	10	10	

MV2	33.33 ML/KG	MEAN	28.1	29.9	
VEHICLE CONTROL		STD. DEV.	1.35	1.21	
PROTEIN (BSA) CONTROL		SAMPLE SIZE	10	10	

M1	49.00 MG/KG	MEAN	28.0	30.2	
TEST GROUP		STD. DEV.	1.33	1.09	
CP4 EPSPS PROTEIN		SAMPLE SIZE	10	10	

M2	154.0 MG/KG	MEAN	28.0	29.5	
TEST GROUP		STD. DEV.	1.32	1.67	
CP4 EPSPS PROTEIN		SAMPLE SIZE	10	10	

M3	572.0 MG/KG	MEAN	28.1	29.5	
TEST GROUP		STD. DEV.	1.30	1.27	
CP4 EPSPS PROTEIN		SAMPLE SIZE	10	10	

- - - L E G E N D - - -

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
 ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
 BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
 NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 92223
 DMEH NUMBER: ML92542
 RTE OF ADMIN: ORAL (GAVAGE)

SUMMARY OF BODY WEIGHT DATA (GM)

SPECIES: MOUSE
 STRAIN/BREED: CD-1
 STUDY START DATE: 21-DEC-92

SEX: FEMALE

DATE (1992): PRE- 27-DEC
 DAY OF STUDY: TEST 7

GROUP TARGET DOSE
 FV1 33.33 ML/KG
 VEHICLE CONTROL
 Na CARBONATE BUFFER

MEAN 24.8 25.2
 STD. DEV. 1.20 1.65
 SAMPLE SIZE 10 10

MEAN 24.8 25.0
 STD. DEV. 1.19 0.87
 SAMPLE SIZE 10 10

MEAN 24.6 24.8
 STD. DEV. 1.24 1.51
 SAMPLE SIZE 10 10

MEAN 24.6 25.0
 STD. DEV. 1.12 1.04
 SAMPLE SIZE 10 10

-- L E G E N D --

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P<.05)
 ** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P<.01)
 BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS (P<.01)
 NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

SUMMARY OF FOOD CONSUMPTION DATA

SPECIES: MOUSE STRAIN/BREED: CD-1

STUDY START DATE: 21-DEC-92

SEX: MALE

FROM DATE : 21-DEC-92
TO DATE : 27-DEC-92
DAY OF STUDY (FROM-TO) : 1-7

MV1 VEHICLE CONTROL	MEAN GM/DAY	5.4
33.33 ML/KG	STD. DEV.	0.50
Na CARBONATE BUFFER	SAMPLE SIZE	10

MV2 VEHICLE CONTROL	MEAN GM/DAY	5.4
33.33 ML/KG	STD. DEV.	0.43
PROTEIN (BSA) CONTROL	SAMPLE SIZE	10

M1 TEST GROUP	MEAN GM/DAY	5.5
49.00 MG/KG	STD. DEV.	0.27
CP4 EPSPS PROTEIN	SAMPLE SIZE	10

M2 TEST GROUP	MEAN GM/DAY	5.5
154.0 MG/KG	STD. DEV.	0.37
CP4 EPSPS PROTEIN	SAMPLE SIZE	10

M3 TEST GROUP	MEAN GM/DAY	5.5
572.0 MG/KG	STD. DEV.	0.38
CP4 EPSPS PROTEIN	SAMPLE SIZE	10

- - - L E G E N D - - -

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
SUMMARY OF FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

FROM DATE : 21-DEC-92
TO DATE : 27-DEC-92
DAY OF STUDY (FROM-TO) : 1-7

FV1 VEHICLE CONTROL
33.33 ML/KG
Na CARBONATE BUFFER
MEAN GM/DAY 5.5
STD. DEV. 0.89
SAMPLE SIZE 10

FV2 VEHICLE CONTROL
33.33 ML/KG
PROTEIN (BSA) CONTROL
MEAN GM/DAY 5.1
STD. DEV. 0.65
SAMPLE SIZE 10

F1 TEST GROUP
49.00 MG/KG
CP4 EPSPS PROTEIN
MEAN GM/DAY 5.3
STD. DEV. 0.85
SAMPLE SIZE 10

F2 TEST GROUP
154.0 MG/KG
CP4 EPSPS PROTEIN
MEAN GM/DAY 5.3
STD. DEV. 0.50
SAMPLE SIZE 10

F3 TEST GROUP
572.0 MG/KG
CP4 EPSPS PROTEIN
MEAN GM/DAY 5.1
STD. DEV. 0.37
SAMPLE SIZE 9

--LEGEND--

* -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .05$)
** -- DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < .01$)
BT -- BARTLETT'S TEST INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE AMONG VARIANCES OF THE DIFFERENT GROUPS ($P < .01$)
NA -- DUNNETT'S TEST NOT APPROPRIATE FOR THIS GROUP/SEX/DATE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)

REPORT PRINT DATE: 12-AUG-93

SPECIES: MOUSE
STRAIN/BREED: CD-1
STUDY START DATE: 21-DEC-92

SEX: MALE

FROM DATE: 21-DEC-92
TO DATE : 27-DEC-92
DAY OF STUDY (FROM-TO): 1- 7

MY1 VEHICLE CONTROL
33 ML/KG
Na CARBONATE BUFFER
MEAN GM 1.28
STD. DEV. 0.917
SAMPLE SIZE 10

MY2 VEHICLE CONTROL
33 ML/KG
PROTEIN (BSA) CONTROL
MEAN GM 1.86
STD. DEV. 0.853
SAMPLE SIZE 10

M1 TEST GROUP
49 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 2.20
STD. DEV. 0.892
SAMPLE SIZE 10

M2 TEST GROUP
154 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 1.54
STD. DEV. 1.171
SAMPLE SIZE 10

M3 TEST GROUP
572 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 1.46
STD. DEV. 0.675
SAMPLE SIZE 10

- - - L E G E N D - - -

* - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P < 0.05)
** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE (P < 0.01)
NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

SUMMARY OF CUMULATIVE BODY WEIGHT CHANGES (GM)

SPECIES: MOUSE STRAIN/BREED: CD-1

REPORT PRINT DATE: 12-AUG-83

STUDY START DATE: 21-DEC-82

SEX: FEMALE

FROM DATE: 21-DEC-82
TO DATE: 27-DEC-82
DAY OF STUDY (FROM-TO): 1- 7

FV1 VEHICLE CONTROL
33 ML/KG
Na CARBONATE BUFFER
MEAN GM 0.47
STD. DEV. 0.753
SAMPLE SIZE 10

FV2 VEHICLE CONTROL
33 ML/KG
PROTEIN (BSA) CONTROL
MEAN GM 0.28
STD. DEV. 0.450
SAMPLE SIZE 10

F1 TEST GROUP
48 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 0.11
STD. DEV. 0.995
SAMPLE SIZE 10

F2 TEST GROUP
154 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 0.35
STD. DEV. 0.688
SAMPLE SIZE 10

F3 TEST GROUP
572 MG/KG
CP4 EPSPS PROTEIN
MEAN GM 0.12
STD. DEV. 0.760
SAMPLE SIZE 10

- - - L E G E N D - - -

* - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.05$)
** - DUNNETT'S TEST (TWO-TAILED) INDICATES STATISTICALLY SIGNIFICANT DIFFERENCE ($P < 0.01$)
NA - DUNNETT'S TEST NOT APPROPRIATE FOR THIS PERIOD

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

SUMMARY OF CLINICAL SIGNS

REPORT PRINT DATE: 12-AUG-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

CATEGORY	OBSERVATION	GEN.	SEX	WINDOW	GROUP	NO. ANIMALS AFFECTED	NO. OF OCCURRENCES
DEATH	SCHEDULED SACRIFICE		M	D7-9	MV1	10	10
					MV2	10	10
					M1	10	10
					M2	10	10
					M3	10	10
			F	D7-9	FV1	10	10
					FV2	10	10
					F1	10	10
					F2	10	10
					F3	10	10

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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{00}

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 22-JAN-1993

STUDY NUMBER: 92223			SUMMARY OF TERMINAL BODY AND ORGAN WEIGHT DATA (GM)				REPORT PRINT DATE: 10-JUN-1993			
RTE OF ADMIN: ORAL (GAVAGE)							SPECIES: MOUSE			
STUDY START DATE: 21-DEC-1992							STRAIN/BREED: CD-1			
ITEM OF INTEREST	GEN.	SEX	PERIOD	WINDOW	GROUP	MEAN	%CONTROL	STD.DEV.	N	STAT FLAGS
TERM. BODY WGT.		M	1	D8-9	MV1	24.1800			1.4297	10 (PA)
					MV2	24.4900		(101)	1.2252	10
					M1	24.7000		(102)	1.0750	10
					M2	24.0700		(100)	1.6573	10
					M3	24.3100		(101)	1.1080	10
		F	1	D8-9	FV1	21.9500			1.5006	10 (PA)
					FV2	21.1300		(96)	1.0166	10
					F1	21.3200		(97)	1.1961	10
					F2	21.3300		(97)	0.9417	10
					F3	21.1300		(96)	1.4376	10

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 22-JAN-1993

{00}

STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992

SUMMARY OF TERMINAL BODY AND ORGAN WEIGHT DATA (GM)

REPORT PRINT DATE: 10-JUN-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1

EXPLANATION OF STATISTICAL FLAGS

GENERAL	
Flag	Statistical Statement
NA	Statistics not done, insufficient or inappropriate data
NONCATEGORICAL DATA	
Flag	Statistical Statement
Parametric (PA)	
L-	The response is linearly related to dose ($p \leq 0.05$) with a negative slope
L--	The response is linearly related to dose ($p \leq 0.01$) with a negative slope
L+	The response is linearly related to dose ($p \leq 0.05$) with a positive slope
L++	The response is linearly related to dose ($p \leq 0.01$) with a positive slope
*	Significantly different from control ($p \leq 0.05$; Dunnett's)
**	Significantly different from control ($p \leq 0.01$; Dunnett's)
Nonparametric (NP)	
L-	The response is linearly related to dose ($p \leq 0.05$) with a negative slope
L--	The response is linearly related to dose ($p \leq 0.01$) with a negative slope
L+	The response is linearly related to dose ($p \leq 0.05$) with a positive slope
L++	The response is linearly related to dose ($p \leq 0.01$) with a positive slope
*	Significantly different from control ($p \leq 0.05$; Mann-Whitney)
**	Significantly different from control ($p \leq 0.01$; Mann-Whitney)
CATEGORICAL DATA	
Flag	Statistical Statement
C+	Significantly different from control ($p \leq 0.05$; uncorrected Chi square)
C++	Significantly different from control ($p \leq 0.01$; uncorrected Chi square)

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NO: 92223 ***** MONSANTO ENVIRONMENTAL HEALTH LAB ***** PAGE: 1
STUDY TYPE: SC SPECIES: MOUSE P A T H O L O G Y S E C T I O N PRINTED: 30-APR-93
SUBSTANCE: CP4 EPSPS PROTEIN

** SUMMARY INCIDENCE OF INDIVIDUAL GROSS NECROPSY ALTERATIONS **

SELECTION CRITERIA: ALL DEATHS REPORTED

----- M A L E -----
MV1 MV2 M1 M2 M3
10 10 10 10 10

NO. IN GROUP AT RISK:

EYE(S) 0 0 0 0 0 0
-CORNEAL OPACITY

KIDNEY(S) 0 0 0 0 0 0
-CYST

PITUITARY 0 0 0 0 0 0
-FOCUS, RED/PURPLE/BLACK

UTERUS 0 0 0 0 0 0
-HYDROMETRA

STUDY NO: 92223

PAGE: 1

***** MONSANTO ENVIRONMENTAL HEALTH LAB *****

P A T H O L O G Y S E C T I O N

STUDY TYPE: SC SPECIES: MOUSE SUBSTANCE: CP4 EPSPS PROTEIN PRINTED: 30-APR-93

SELECTION CRITERIA: ALL DEATHS REPORTED ** SUMMARY INCIDENCE OF INDIVIDUAL GROSS NECROPSY ALTERATIONS **

----- F E M A L E -----
FV1 FV2 F1 F2 F3
10 10 10 10 10

NO. IN GROUP AT RISK:

EYE(S)
-CORNEAL OPACITY

0 0 0 1 0

KIDNEY(S)
-CYST

0 0 1 0 0

PITUITARY
-FOCUS, RED/PURPLE/BLACK

1 0 0 0 0

UTERUS
-HYDROMETRA

2 1 1 1 2

APPENDIX 2

INLIFE DATA

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL SEX: MALE
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE (1992):		PRE- 27-DEC	
	DAY OF STUDY:	TEST	7	
92223MV1 001		28.6	29.8	
92223MV1 002		27.7	30.0	
92223MV1 003		26.2	26.7	
92223MV1 004		29.3	32.1	
92223MV1 005		28.0	30.2	
92223MV1 006		25.2	26.7	
92223MV1 007		29.5	30.3	
92223MV1 008		29.8	30.6	
92223MV1 009		27.0	27.5	
92223MV1 010		29.0	29.0	

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223MV2 001		29.6	30.9
92223MV2 002		27.6	29.9
92223MV2 003		29.2	30.8
92223MV2 004		29.7	31.2
92223MV2 005		27.1	27.5
92223MV2 006		28.4	29.5
92223MV2 007		28.9	31.3
92223MV2 008		25.6	28.6
92223MV2 009		28.0	29.9
92223MV2 010		26.6	29.7

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG
SEX: MALE

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223M1 001		29.8	30.9
92223M1 002		25.9	27.6
92223M1 003		28.8	31.0
92223M1 004		27.7	30.1
92223M1 005		28.2	30.7
92223M1 006		29.0	31.3
92223M1 007		27.1	29.2
92223M1 008		29.7	30.6
92223M1 009		27.9	30.6
92223M1 010		26.3	30.4

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP SEX: MALE
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223M2 001		29.5	32.0
92223M2 002		28.0	30.2
92223M2 003		28.2	30.1
92223M2 004		27.1	28.6
92223M2 005		29.1	28.9
92223M2 006		26.1	27.7
92223M2 007		27.8	29.5
92223M2 008		28.7	32.2
92223M2 009		25.9	27.0
92223M2 010		29.7	29.3

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223M3 001		29.8	30.4
92223M3 002		27.3	28.0
92223M3 003		27.2	29.1
92223M3 004		28.5	30.6
92223M3 005		29.6	29.9
92223M3 006		26.6	28.3
92223M3 007		28.0	29.6
92223M3 008		29.1	31.3
92223M3 009		28.7	30.6
92223M3 010		25.9	27.5

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1

SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223FV1 001		25.2	25.4
92223FV1 002		25.7	26.5
92223FV1 003		23.6	24.4
92223FV1 004		24.1	23.4
92223FV1 005		27.2	28.3
92223FV1 006		24.5	23.7
92223FV1 007		23.3	23.3
92223FV1 008		23.9	24.9
92223FV1 009		25.8	27.0
92223FV1 010		24.3	25.4

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL SEX: FEMALE
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST
92223FV2 001	27-DEC 7	24.9 25.7
92223FV2 002		26.8 26.3
92223FV2 003		24.1 24.3
92223FV2 004		23.4 23.8
92223FV2 005		26.2 26.1
92223FV2 006		25.5 25.3
92223FV2 007		24.3 24.9
92223FV2 008		23.7 24.3
92223FV2 009		25.3 25.3
92223FV2 010		23.3 24.1

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG

ANIMAL	DATE (1992):		PRE-TEST
	DAY OF STUDY:	TEST	
92223F1 001	24.1	24.8	
92223F1 002	25.2	25.1	
92223F1 003	22.7	22.2	
92223F1 004	24.4	24.9	
92223F1 005	25.7	23.5	
92223F1 006	24.8	26.5	
92223F1 007	25.7	25.9	
92223F1 008	23.4	23.7	
92223F1 009	23.7	23.8	
92223F1 010	26.8	27.2	

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL BODY WEIGHT DATA (GM) STUDY START DATE: 21-DEC-92
SPECIES: MOUSE STRAIN/BREED: CD-1

SEX: FEMALE

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

ANIMAL	DATE (1992): DAY OF STUDY:	PRE- TEST	27-DEC 7
92223F2 001		23.9	25.2
92223F2 002		26.4	27.0
92223F2 003		23.6	24.1
92223F2 004		24.4	25.8
92223F2 005		26.2	25.2
92223F2 006		23.2	23.6
92223F2 007		25.3	25.4
92223F2 008		25.1	25.0
92223F2 009		23.5	23.6
92223F2 010		24.4	24.6

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL BODY WEIGHT DATA (GM)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

ANIMAL	DATE (1992):		PRE- 27-DEC	
	DAY OF STUDY:	TEST	TEST	7
92223F3 001		27.2	27.7	
92223F3 002		24.0	23.4	
92223F3 003		22.9	23.2	
92223F3 004		25.0	24.4	
92223F3 005		25.4	26.2	
92223F3 006		25.7	25.3	
92223F3 007		23.5	23.4	
92223F3 008		23.6	25.3	
92223F3 009		24.2	23.5	
92223F3 010		24.4	24.7	

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

INDIVIDUAL FOOD CONSUMPTION DATA

SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG

SEX: MALE

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223MV1 001	32	5.3
92223MV1 002	34	5.7
92223MV1 003	30	4.9
92223MV1 004	36	6.1
92223MV1 005	35	5.9
92223MV1 006	28	4.7
92223MV1 007	33	5.4
92223MV1 008	35	5.9
92223MV1 009	29	4.8
92223MV1 010	30	5.0

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 92223 INDIVIDUAL FOOD CONSUMPTION DATA
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL SEX: MALE
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

DATES FROM-TO: 21DEC-27DEC		
DAY FROM-TO: 1-7		
ANIMAL	GM	GM/DAY
92223MV2 001	38	6.4
92223MV2 002	33	5.4
92223MV2 003	33	5.4
92223MV2 004	30	5.1
92223MV2 005	30	4.9
92223MV2 006	30	5.0
92223MV2 007	34	5.6
92223MV2 008	32	5.3
92223MV2 009	31	5.1
92223MV2 010	34	5.7

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223M1 001	33	5.5
92223M1 002	32	5.4
92223M1 003	36	5.9
92223M1 004	31	5.2
92223M1 005	33	5.4
92223M1 006	33	5.6
92223M1 007	32	5.3
92223M1 008	33	5.5
92223M1 009	34	5.6
92223M1 010	36	6.0

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223M2 001	34	5.7
92223M2 002	36	6.0
92223M2 003	30	5.0
92223M2 004	32	5.3
92223M2 005	30	4.9
92223M2 006	32	5.4
92223M2 007	32	5.3
92223M2 008	36	6.0
92223M2 009	35	5.8
92223M2 010	32	5.4

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223M3 001	37	6.2
92223M3 002	31	5.1
92223M3 003	32	5.4
92223M3 004	32	5.3
92223M3 005	32	5.4
92223M3 006	32	5.4
92223M3 007	32	5.3
92223M3 008	33	5.5
92223M3 009	37	6.2
92223M3 010	31	5.1

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE

STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223FV1 001	31	5.2
92223FV1 002	34	5.6
92223FV1 003	31	5.1
92223FV1 004	26	4.3
92223FV1 005	32	5.4
92223FV1 006	29	4.8
92223FV1 007	37	6.2
92223FV1 008	36	5.9
92223FV1 009	45	7.6
92223FV1 010	32	5.3

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223FV2 001	29	4.8
92223FV2 002	31	5.2
92223FV2 003	28	4.6
92223FV2 004	29	4.8
92223FV2 005	32	5.3
92223FV2 006	36	5.9
92223FV2 007	27	4.4
92223FV2 008	39	6.5
92223FV2 009	31	5.1
92223FV2 010	28	4.7

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 7

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (CAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223F1 001	28	4.7
92223F1 002	33	5.6
92223F1 003	37	6.1
92223F1 004	34	5.6
92223F1 005	19	3.2
92223F1 006	36	5.9
92223F1 007	31	5.1
92223F1 008	33	5.5
92223F1 009	31	5.1
92223F1 010	35	5.8

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223F2 001	35	5.9
92223F2 002	33	5.5
92223F2 003	29	4.8
92223F2 004	32	5.3
92223F2 005	29	4.8
92223F2 006	33	5.6
92223F2 007	31	5.1
92223F2 008	37	6.1
92223F2 009	31	5.1
92223F2 010	27	4.5

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL FOOD CONSUMPTION DATA
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

DATES FROM-TO: 21DEC-27DEC
DAY FROM-TO: 1-7

ANIMAL	GM	GM/DAY
92223F3 001	31	5.1
92223F3 002	30	5.0
92223F3 003	34	5.6
92223F3 004	27	4.6
92223F3 005	33	5.5
92223F3 006		
92223F3 007	29	4.8
92223F3 008	32	5.3
92223F3 009	33	5.5
92223F3 010	29	4.8

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG SEX: MALE

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL
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** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 1

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92
SEX: MALE
GROUP : VEHICLE CONTROL
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG
CATEGORY OBSERVATION DATE OF OBSERVATION DAY OF STUDY ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

PAGE 2

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP SEX: MALE
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL
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** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92
GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG
SEX: MALE
CATEGORY OBSERVATION DATE OF OBSERVATION DAY OF STUDY ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92
GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG
SEX: MALE
CATEGORY OBSERVATION DATE OF OBSERVATION DAY OF STUDY ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG
STUDY START DATE: 21-DEC-92
CATEGORY
OBSERVATION
DATE OF
OBSERVATION
DAY OF
STUDY
ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG SEX: FEMALE

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL
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** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE
STRAIN/BREED: CD-1

SEX: FEMALE

STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 49.00 MG/KG

CATEGORY

OBSERVATION

DATE OF
OBSERVATION

DAY OF
STUDY

ANIMAL

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: FEMALE
GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG
STUDY START DATE: 21-DEC-92

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL
** NO ABNORMAL CLINICAL SIGNS RECORDED **				

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
INDIVIDUAL CLINICAL SIGNS
SPECIES: MOUSE STRAIN/BREED: CD-1
SEX: FEMALE
GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG
STUDY START DATE: 21-DEC-92

CATEGORY	OBSERVATION	DATE OF OBSERVATION	DAY OF STUDY	ANIMAL
----------	-------------	------------------------	-----------------	--------

** NO ABNORMAL CLINICAL SIGNS RECORDED **

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

ANIMAL TERMINATION HISTORY

SEX: MALE

GROUP : VEHICLE CONTROL
SUBSTANCE : Na CARBONATE BUFFER
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223MV1 001	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 002	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 003	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 004	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 005	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 006	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 007	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 008	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 009	28-DEC-92	8	SCHEDULED SACRIFICE
92223MV1 010	28-DEC-92	8	SCHEDULED SACRIFICE

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL TERMINATION HISTORY
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : VEHICLE CONTROL
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223MW2 001	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 002	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 003	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 004	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 005	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 006	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 007	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 008	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 009	28-DEC-92	8	SCHEDULED SACRIFICE
92223MW2 010	28-DEC-92	8	SCHEDULED SACRIFICE

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
ANIMAL TERMINATION HISTORY
SPECIES: MOUSE
STRAIN/BREED: CD-1
STUDY START DATE: 21-DEC-92

SEX: MALE

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 48.00 MG/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223M1 001	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 002	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 003	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 004	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 005	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 006	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 007	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 008	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 009	28-DEC-92	8	SCHEDULED SACRIFICE
92223M1 010	28-DEC-92	8	SCHEDULED SACRIFICE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
ANIMAL TERMINATION HISTORY
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223M2 001	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 002	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 003	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 004	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 005	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 006	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 007	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 008	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 009	28-DEC-92	8	SCHEDULED SACRIFICE
92223M2 010	28-DEC-92	8	SCHEDULED SACRIFICE

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)
ANIMAL TERMINATION HISTORY
SPECIES: MOUSE
STRAIN/BREED: CD-1
SEX: MALE
STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223M3 001	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 002	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 003	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 004	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 005	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 006	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 007	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 008	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 009	28-DEC-92	8	SCHEDULED SACRIFICE
92223M3 010	28-DEC-92	8	SCHEDULED SACRIFICE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223		ANIMAL TERMINATION HISTORY		STUDY START DATE: 21-DEC-92	
DMEH NUMBER: ML92542					
RTE OF ADMIN: ORAL (GAVAGE)		SPECIES: MOUSE	STRAIN/BREED: CD-1		
GROUP : VEHICLE CONTROL		SEX: FEMALE			
SUBSTANCE : Na CARBONATE BUFFER					
TARGET DOSE : 33.33 ML/KG					
ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH		
92223FV1 001	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 002	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 003	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 004	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 005	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 006	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 007	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 008	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 009	29-DEC-92	9	SCHEDULED SACRIFICE		
92223FV1 010	29-DEC-92	9	SCHEDULED SACRIFICE		

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) SPECIES: MOUSE STRAIN/BREED: CO-1 STUDY START DATE: 21-DEC-92
ANIMAL TERMINATION HISTORY

GROUP : VEHICLE CONTROL SEX: FEMALE
SUBSTANCE : PROTEIN (BSA) CONTROL
TARGET DOSE : 33.33 ML/KG

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223FV2 001	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 002	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 003	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 004	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 005	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 006	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 007	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 008	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 009	29-DEC-92	9	SCHEDULED SACRIFICE
92223FV2 010	29-DEC-92	9	SCHEDULED SACRIFICE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
DIMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) ANIMAL TERMINATION HISTORY
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 48.00 MG/KG SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223F1 001	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 002	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 003	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 004	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 005	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 006	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 007	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 008	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 009	29-DEC-92	9	SCHEDULED SACRIFICE
92223F1 010	29-DEC-92	9	SCHEDULED SACRIFICE

THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE)

ANIMAL TERMINATION HISTORY
SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 154.0 MG/KG

SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223F2 001	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 002	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 003	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 004	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 005	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 006	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 007	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 008	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 009	29-DEC-92	9	SCHEDULED SACRIFICE
92223F2 010	29-DEC-92	9	SCHEDULED SACRIFICE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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THIS REPORT WAS GENERATED FROM DATA LOCKED THROUGH 29-DEC-92

STUDY NUMBER: 92223
DMEH NUMBER: ML92542
RTE OF ADMIN: ORAL (GAVAGE) SPECIES: MOUSE STRAIN/BREED: CD-1 STUDY START DATE: 21-DEC-92

ANIMAL TERMINATION HISTORY

GROUP : TEST GROUP
SUBSTANCE : CP4 EPSPS PROTEIN
TARGET DOSE : 572.0 MG/KG

SEX: FEMALE

ANIMAL	DATE OF DEATH	DAY OF STUDY	TYPE OF DEATH
92223F3 001	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 002	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 003	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 004	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 005	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 006	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 007	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 008	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 009	29-DEC-92	9	SCHEDULED SACRIFICE
92223F3 010	29-DEC-92	9	SCHEDULED SACRIFICE

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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APPENDIX 3

INDIVIDUAL GROSS NECROPSY DATA

{99}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV1 001
ANIMAL STATUS CODE: S

SEX: MALE
HOURS POST MORTEM = 0

DATE OF NECROPSY: 28-DEC-92

PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

Necropsy data locked on 22-JAN-93

{00}

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223WV1 002 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAYAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV1 003 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.4

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

Necropsy data locked on 22-JAN-93

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223MY1 004 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBODY)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 26.1

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1982
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV1 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MV1 006 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-82
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 21.8

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV1 007 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 28-DEC-92

PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

Necropsy data locked on 22-JAN-93

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MV1 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 9223MY1 009 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1982
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MY1 010 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 24.1

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV2 001 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MV2 002 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 24.4

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MV2 003 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

*** ORGAN WEIGHTS (GM) and % BODY WEIGHT ***

TERMINAL BODY WEIGHT -- 25.0

*** GROSS OBSERVATIONS ***

PITUITARY

NOTE: LOST AT NECROPSY.

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV2 004 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.2

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MV2 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223MY2 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and X BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.7

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223MW2 007 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 26.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223MV2 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.5

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223MV2 009 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
 PROSECTOR : (RPGRUE)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.6

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223MY2 010 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
 PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.1

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M1 001 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

Necropsy data locked on 22-JAN-93

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STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M1 002 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M1 003 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 25.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M1 004 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.1

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M1 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

DATE OF NECROPSY: 28-DEC-92

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.1

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223M1 008 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
 PROSECTOR : (BASCHW)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.7

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223M1 007 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
 PROSECTOR : (ESGOLI)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.7

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M1 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993

SPECIES: MOUSE

STRAIN/BREED: CD-1

ANIMAL NO: 92223M1 009 SEX: MALE

ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 28-DEC-92

PROSECTOR : (BASCHW)

ORGAN WTS. BY: ()

PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M1 010 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 001 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 26.3

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

ANIMAL NO: 92223M2 002 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.2

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 003 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1982
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 004 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M2 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJB0YD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.2

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)
=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 22.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M2 007 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

DATE OF NECROPSY: 28-DEC-92

PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

*** ORGAN WEIGHTS (GM) and % BODY WEIGHT ***

TERMINAL BODY WEIGHT -- 24.3

*** GROSS OBSERVATIONS ***

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)
=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 27.2

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223M2 009 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.6

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M2 010 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M3 001 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.6

=== GROSS OBSERVATIONS ===

PITUITARY

NOTE: IN CASSETTE WITH ADRENALS.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M3 002 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.6

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223M3 003 SEX: MALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
 PROSECTOR : (BASCHW)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JONAPI)

 --- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---
 TERMINAL BODY WEIGHT -- 24.6

--- GROSS OBSERVATIONS ---

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M3 004 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 82223M3 005 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJB0YD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M3 006 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 23.1

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223M3 007 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M3 008 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (RPGRUE)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.5

=== GROSS OBSERVATIONS ===

PITUITARY

NOTE: IN CASSETTE WITH ADRENALS.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M3 009 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 25.5

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223M3 010 SEX: MALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 22.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FY1 001 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.5

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FV1 002
ANIMAL STATUS CODE: S

SEX: FEMALE
HOURS POST MORTEM: 0

DATE OF NECROPSY: 29-DEC-92

PROSECTOR: (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST: (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 22.6

GROSS OBSERVATIONS

PITUITARY
FOCUS, RED/PURPLE/BLACK -- POSTERIOR LOBE, 0.2 X 0.1 CM,
SEMI-CIRCLE, DISCRETE, BLACK FOCUS.

UTERUS
HYDROMETRA -- BILATERAL, MILD.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223FY1 003 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 9223FV1 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBODY)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 21.0

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223FV1 005 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
 PROSECTOR : (KMSHEV)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.9

=== GROSS OBSERVATIONS ===

UTERUS
 HYDROMETRA -- BILATERAL, MILD.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FV1 008
SEX: FEMALE
ANIMAL STATUS CODE: S

HOURS POST MORTEM = 0
DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and X BODY WEIGHT

TERMINAL BODY WEIGHT -- 20.1

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223FY1 007 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FV1 008
ANIMAL STATUS CODE: S

SEX: FEMALE
HOURS POST MORTEM = 0

DATE OF NECROPSY: 29-DEC-92

PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 21.7

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FY1 009 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FV1 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223FV2 001 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and X BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.8

=== GROSS OBSERVATIONS ===

OVARY(IES)

NOTE: RIGHT OVARY IN CASSETTE WITH ADRENALS.

URINARY BLADDER

NOTE: IN CASSETTE WITH ADRENALS.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223FV2 002
SEX: FEMALE
ANIMAL STATUS CODE: S
HOURS POST MORTEM = 0
DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)
=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 22.1
=== GROSS OBSERVATIONS ===
NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223FY2 003 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 19.6

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223FY2 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223FV2 005 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
 PROSECTOR : (MJBOYD)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)
 --- ORGAN WEIGHTS (GM) and % BODY WEIGHT ---
 TERMINAL BODY WEIGHT -- 21.6
 --- GROSS OBSERVATIONS ---
 NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 9223FY2 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 23.2

=== GROSS OBSERVATIONS ===

UTERUS
HYDROMETRA -- BILATERAL, MILD.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FY2 007 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FV2 008
SEX: FEMALE
ANIMAL STATUS CODE: S

HOURS POST MORTEM = 0
DATE OF NECROPSY: 28-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 20.8

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FY2 009 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJB0YD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.8

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223FY2 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F1 001
SEX: FEMALE
ANIMAL STATUS CODE: S

HOURS POST MORTEM = 0
DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEY)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.7

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1982
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F1 002 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 9223F1 003 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJB0YD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 18.9

=== GROSS OBSERVATIONS ===

SP.CORD.LUMBAR
NOTE: LOST AT NECROPSY.

SP.CORD.THORACIC
NOTE: LOST AT NECROPSY.

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MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 9223F1 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.7

=== GROSS OBSERVATIONS ===

UTERUS
HYDROMETRA -- BILATERAL, MILD.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F1 005 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 19.8

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F1 006 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

==== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.4

==== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F1 007 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.5

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F1 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992
 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1
 ANIMAL NO: 92223F1 009 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
 PROSECTOR : (KMSHEV)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.1

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F1 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.7

=== GROSS OBSERVATIONS ===

KIDNEY(S)
CYST -- LEFT, CORTEX, 0.1 CM, CLEAR CYST.

STUDY NUMBER: 92223

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 001 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 20.8

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 002 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.9

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 003 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 20.6

GROSS OBSERVATIONS

EYE(S)
CORNEAL OPACITY -- RIGHT.

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===
TERMINAL BODY WEIGHT -- 22.7

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data Locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 005 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.2

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOLD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

{00}

Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 007
SEX: FEMALE
ANIMAL STATUS CODE: S

HOURS POST MORTEM = 0
DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 21.4

GROSS OBSERVATIONS

UTERUS
HYDROMETRA -- BILATERAL, MILD.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 008
SEX: FEMALE
ANIMAL STATUS CODE: S

HOURS POST MORTEM = 0
DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and X BODY WEIGHT

TERMINAL BODY WEIGHT -- 22.0

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 009 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0

PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

DATE OF NECROPSY: 29-DEC-92

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 21.1

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F2 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

ORGAN WEIGHTS (GM) and % BODY WEIGHT

TERMINAL BODY WEIGHT -- 20.6

GROSS OBSERVATIONS

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
SITE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 001 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 24.0

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data Locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 002 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)
===== ORGAN WEIGHTS (GM) and % BODY WEIGHT =====
TERMINAL BODY WEIGHT -- 20.5
===== GROSS OBSERVATIONS =====
NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F3 003 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 19.6

=== GROSS OBSERVATIONS ===

UTERUS
HYDROMETRA -- BILATERAL, MILD.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 004 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)
===== ORGAN WEIGHTS (GM) and % BODY WEIGHT =====
TERMINAL BODY WEIGHT -- 20.3

===== GROSS OBSERVATIONS =====

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 005 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (KMSHEV)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.9

=== GROSS OBSERVATIONS ===

UTERUS
HYDROMETRA -- BILATERAL, MILD.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1
ANIMAL NO: 92223F3 007 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (MJBOYD)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 20.3

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992

INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F3 008 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (BASCHW)
ORGAN WTS. BY: ()
PATHOLOGIST : (JONAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 22.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223
 RTE OF ADMIN: ORAL (GAVAGE)
 STUDY START DATE: 21-DEC-1992

 ANIMAL NO: 92223F3 009 SEX: FEMALE
 ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92

 PROSECTOR : (KMSHEV)
 ORGAN WTS. BY: ()
 PATHOLOGIST : (JGNAPI)

 REPORT PRINT DATE: 30-APR-1993
 SPECIES: MOUSE
 STRAIN/BREED: CD-1

 INDIVIDUAL GROSS AND HISTOPATHOLOGY DATA

 === ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

 TERMINAL BODY WEIGHT -- 19.4

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

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Necropsy data locked on 22-JAN-93

STUDY NUMBER: 92223
RTE OF ADMIN: ORAL (GAVAGE)
STUDY START DATE: 21-DEC-1992
REPORT PRINT DATE: 30-APR-1993
SPECIES: MOUSE
STRAIN/BREED: CD-1

ANIMAL NO: 92223F3 010 SEX: FEMALE
ANIMAL STATUS CODE: S HOURS POST MORTEM = 0 DATE OF NECROPSY: 29-DEC-92
PROSECTOR : (ESGOLI)
ORGAN WTS. BY: ()
PATHOLOGIST : (JGNAPI)

=== ORGAN WEIGHTS (GM) and % BODY WEIGHT ===

TERMINAL BODY WEIGHT -- 21.6

=== GROSS OBSERVATIONS ===

NO GROSS ABNORMALITIES.

STUDY NUMBER: 92223

MONSANTO ENVIRONMENTAL HEALTH LABORATORY

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