Final Report
Study No. 5221.07

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

Performed for:

Research Triangle Institute
P.O. Box 12194
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North Carolina 27709

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SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MBA Chemical No.: 24

Sponsor: Research Triangle Institute
P.O. Box 12194
Research Triangle
North Carolina 27709

Sponsor Representative: Dennis Dietz

Testing Facility: Microbiological Associates Inc. (MBA)
5221 River Road
Bethesda, MD 20816

Initiation Date: October 03, 1985

Completion Date: January 04, 1986

L. Thomas Mulligan, Ph.D.
Study Director

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Date

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I. SUMMARY:

This study examined the toxic effects of meta-cresol in Sprague Dawley rats following 13 weeks of oral gavage administration. Dose levels studied were 0, 50, 150 and 450 mg/kg/day. The biological effects of m-cresol, central nervous system depression and reductions in body weight gain, were generally restricted to the high dose level under the conditions of the present study. Although a slight reduction in weight gain also occurred for mid-dose males but not females, no other manifestations of m-cresol toxicity were seen for these animals or for those at the low dose level. Thus, 50 mg/kg/day for meta-cresol administered to male and female Sprague Dawley rats for 13 weeks appears to represent the maximum dose tested in this study that produced no evident adverse effects.

II. INTRODUCTION:

This report presents a preliminary evaluation of test data collected to assess in rats the toxicity of meta-cresol when administered for 13 weeks by oral gavage. All methods and procedures were conducted in accordance with the appropriate Microbiological Associates Inc. and Pathology Associates, Inc. Quality Assurance Programs designed to conform with FDA and EPA Good Laboratory Practices.

III. MATERIALS AND METHODS:

A. Test Article

m-Cresol, 4 kg, was received on 07/29/85 and was assigned MBA chemical number 24. The source was Eastman Kodak Company, Rochester, NY, 14650 (Lot No. K14A). The test article was described as a yellow liquid and was 98.6% pure (according to information provided by the supplier). The test article was stored in its original container, a translucent plastic bottle, at room temperature and ambient humidity. A total of 1836.8 g of the test article was used for dosage preparation; an additional 20 g were sent to ENSECO, Inc. for chemical analysis.

B. Animals

One-hundred and thirty-seven male and one-hundred and thirty-five female Sprague Dawley rats were obtained from Charles River Breeding Laboratores, Inc., Kingston, NY on September 18, 1985. The animals were five weeks old upon arrival at MBA's animal facility. The animals were in quarantine/pretest for approximately two weeks prior to initiation of treatment. The animals

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were housed two or three per cage during quarantine/pretest and housed individually following randomization to groups. The animals were housed on Beta-Chip hardwood bedding in polycarbonate cages which accomodated animals to the upper weight range recommended in the Guide for the Care and Use of Laboratory Animals, DHEW, (NIH) No. 78.23. All test animals received Purina Laboratory Chow No. 5001 in block form and water (Washington Suburban Sanitary Commission, Potomac Plant) ad libitum except during an approximate 16-18 hour fast prior to necropsy.

During the study period, animals were housed in a temperature-controlled room with a 12-hour light/dark illumination cycle. Animal room temperature was monitored continuously during the study. In addition, animal room temperature and relative humidity readings were checked and recorded once daily by animal care personnel. Temperature and humidity readings were noted to be above or below the protocol-specified ranges on several occasions during the study. Monthly environmental data are summarized below:

Month/Year	Number of Readings	Mean ± S.D.	Range	Number (%) of Readings Within the Protocol-Required Range
		TEMPERATURE (degrees F)[a]		
10/85	26[b]	71.6 ± 4.4	61-78	13 (50)
11/85	30	72.2 ± 1.1	70-74	30 (100)
12/85	31	70.6 ± 6.4	48-78	14 (45)
1/86	3	78.3 ± 1.5	77-80	0 (0)
		RELATIVE HUMIDITY (%)[c]		
10/85	26[b]	47.3 ± 14.0	20-72	18 (69)
11/85	30	37.8 ± 11.7	19-65	18 (60)
12/85	31	15.1 ± 9.8	2-40	2 (6)
1/86	3	14.3 ± 4.9	11-20	0 (0)

[a] Protocol-required range = 69-75° F
[b] Temperature/humidity was not recorded on three days due to technician oversight.
[c] Protocol-required range = 35-65%

C. Experimental Design

During the second week of quarantine, the animals were examined by the Staff Veterinarian and were found to be acceptable for use on study. The animals were randomized on the basis of body weight

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into four groups of 30 animals per sex. An animal was considered eligible for randomization if its body weight was within ±20% of the average weight for all animals of the same sex. Ten male and ten female rats were also chosen for baseline hematology and clinical pathology determinations. Baseline clinical pathology animals were selected from animals not previously assigned to test groups, using a table of random numbers.

The following dose levels were selected by the Sponsor and were administered once daily by oral gavage for 13 consecutive weeks.

Treatment Group	Dose Level (mg/kg/day)	Number of Animals Male	Female	Dosage Formulation (mg/ml)
1	0	30	30	0
2	50	30	30	10
3	150	30	30	30
4	450	30	30	90
5	Baseline Clin. Path.	10	10	-

The test chemical was diluted in corn oil to achieve the following concentrations which allowed for a dosing volume of 5 ml/kg. Dosage formulations were prepared fresh weekly throughout the study, and were stored protected from light at room temperature. American Biogenics Corporation, Decatur, IL tested the stability of m-cresol dosage formulations following a 14-day holding period. Additionally, the concentration of m-cresol in corn oil was analyzed from dosage formulations used during Test Weeks 1, 2, 4, 8, and 13 by ENSECO Inc., Cambridge, MA.

All rats in the study received a unique test animal number which appeared as an ear tag. A cage card appeared on the front of each cage and contained the following information: study number, animal number, test article name, treatment group name or number, room number, dose level, strain, sex, receipt date, and start date. The cage cards were color-coded as a function of treatment group and sex.

The test article or vehicle (corn oil) was orally administered once daily for 13 consecutive weeks commencing on 03 October 1985. Animals were dosed up to the day prior to routine necropsy in either Test Week 7 (interim sacrifice) or 14 (terminal sacrifice). The gavage procedure was accomplished by the use of a rigid oral feeding needle.

Non-fasted body weights were recorded on Test Day 1 and weekly thereafter. Individual food consumption data were collected on a weekly basis. Morbundity/mortality checks were performed twice

daily, once in the morning and once in the afternoon, and moribund animals were killed and necropsied. The test animals were given complete physical examinations on a weekly basis.

Ophthalmology examinations were performed during the quarantine period and in Test Week 13 by Dr. Nancy Bromberg, Diplomate, American College of Veterinary Ophthalmologists. This procedure was done by indirect ophthalmoscopy, and only animals which were free of visable lesions, or had congenital or incidental lesions which were not considered to interfere with the study, were considered for test animal selection.

Blood samples were collected from ten rats per sex designated for baseline clinical pathology determinations, ten rats per sex per dose sacrificed during Test Week 7, and ten rats per sex per dose sacrificed at study termination (Test Week 14). Blood was obtained via orbital sinus puncture while under CO_2 anesthesia. Animals were fasted for approximately 16-18 hours prior to blood collection. The following hematology and clinical chemistry tests were performed:

Hematology
Hemoglobin
Hematocrit
Eythrocyte count
Total and differential leukocyte count
Prothrombin time (PT)
Activated partial thromboplastin time (APTT)
Reticulocyte count

Clinical Chemistry
Sodium
Chloride
Potassium
Calcium (not measured at baseline or at the interim sacrifice due to technician error)
CO_2
SGPT
SGOT
Glucose
BUN
Direct and total bilirubin
Alkaline Phosphatase
Total Cholesterol
Albumin
Globulin (calculated)
Total protein
A/G ratio (calculated)

Clinical Chemistry (cont.)
Creatinine
Phosphorus

Urine specimens were obtained from ten rats per sex per dose which were sacrificed during Test Week 7 and from ten rats per sex per dose which were sacrificed during Test Week 14. The urine specimens were collected from metabolism pans into gauze-filtered urinalysis cups during the overnight fasting period. The following urinalysis parameters were assessed:

Urinalysis
Appearance
Volume
Color
Specific gravity
pH
Protein
Glucose
Ketones
Bilirubin
Urobilinogen
Hemoglobin
Microscopic examination

Clinical pathology methodology is included in Appendix C.

Complete gross necropsy examinations were performed on rats found dead during the study and those killed at the interim and terminal sacrifice intervals. Rats assigned to the interim sacrifice (identified at study onset) were killed in random order over a consecutive two-day period (November 18-19, 1985). At the terminal sacrifice, all surviving rats were killed in random order over a consecutive three-day period (January 2-4, 1986). All rats were anesthetized with CO_2 and exsanguinated by bleeding from the posterior vena cava. Animals were fasted overnight prior to necropsy.

The necropsy procedure included a thorough and systematic examination and dissection of the animal viscera and carcass, and collection and fixation of the following tissues/organs in 10% neutral buffered formalin:

All gross lesions
Brain (3 levels)
Spleen
Bone (with marrow)
Skeletal muscle
Ovaries
Corpus and cervix uteri
Eye
Pituitary
Lymph node (mandibular)

Salivary gland	Spinal cord
Heart	Mammary gland
Thymus	Aorta
Thyroid (with parathyroid)	Sciatic nerve
Lungs (with mainstem bronchi)	Pancreas
Trachea	Esophagus
Liver	Kidneys
Stomach	Urinary bladder
Small and large intestine	Testes
Adrenals	Prostate

All of the above tissues of all control and high dose animals sacrificed at study termination were submitted for histopathologic examination. Gross lesions from the rats killed at the interim sacrifice were also submitted for microscopic evaluation.

During the terminal sacrifice, in addition to terminal body weight, the heart, liver, spleen, brain, kidneys (individually), gonads (individually), adrenals, and thyroid/parathyroid were weighed.

D. Statistical Analyses:

Body weight, food consumption, clinical chemistry, hematology, and organ weight data were analyzed (by sex) by one-way Analysis of Variance tests with Dunnett's t-test employed if a significant F ratio was found ($p \leq 0.05$). Individual animal data is included in Appendix D.

IV. RESULTS

A. Analyses and Stability of Dosage Form Preparations

m-Cresol in corn oil was found to be stable for at least 14 days at the concentrations tested. Additionally, the analyses of the dosage form preparations used during Test Weeks 1, 2, 4, 8, and 13 indicated that target concentrations were generally within an acceptable range. Ten of the 15 preparations were within ±10% of the intended concentration. Of the remaining five, three were for the 10 mg/ml level (low dose). These samples were 13-16% less than target. The remaining two samples were 12-14% over target, one each for the 30 and 90 mg/ml intended concentrations (Tables 1a and 1b). Purity analyses performed by ENSECO, Inc. indicated that the bulk test chemical was 99.5% pure.

B. Mortality/Clinical Observations

One high dose male (#3504) was found dead on Test Day 5. Gross necropsy and tissue morphologic examinations failed to determine the cause of death, although gavage error or aspiration of the compound were considered possible explanations (Section IV.H - Pathology). No clinical signs were observed for this animal prior to death. No other animals died during the treatment period.

Lethargy, tremors, hunched posture, and rough hair coats were the most frequently noted post-dosing observations, and were seen only in the high dose group animals. All high dose males and/or females exhibited lethargy after dosing on days 3, 7, 8, 11, 12, 13, 14, and 20. Tremors were observed after dosing in 4/30 high dose males on day 3, and 2/29 high dose males on day 11. Post-dosing tremors were observed in the high dose females with the following incidences: 1/30, day 7; 8/30, day 8; 4/30, day 11; 30/30, day 13. All high dose females appeared hunched and unkempt on day 14 of the study.

Treatment-related clinical signs of toxicity were also observed on occasion in the high dose rats at the weekly physical examination intervals. The incidences of relevant clinical signs are summarized below:

Incidence of Significant Clinical Signs in High Dose Rats[a]

	Lethargy		Tremors		Hunched		Dyspnea	
Weeks[b]	M	F	M	F	M	F	M	F
1	-	9/30	-	2/30	-	-	-	-
2	5/29	9/30	-	2/30	-	30/30	-	-
8	-	-	-	-	-	-	-	2/20
11	-	-	-	-	-	-	-	1/20
12	8/19	7/20	4/19	5/20	-	-	-	-
13	9/19	7/20	4/19	2/20	-	-	-	-

[a] Number of animals exhibiting sign/number alive at the end of the indicated week.
[b] Only those weeks during which relevant signs were observed are presented.

No clinical signs of toxicity were observed in rats treated with the mid or low dose of m-cresol.

C. Body Weight

Dose-dependent reductions in body weight were observed for males receiving 150 and 450 mg/kg/day of m-cresol. Significantly lower body weights were seen at weeks 6 through 12 and week 14 for the 150 mg/kg/day dose group males, and at weeks 2 through 14 for the high dose males. For females, body weights were similar to controls throughout the study for all treated animals except for week 11 when the high dose females had a significantly lower body weight.

Dose-dependent reductions in body weight gain were seen for males administered 150 mg/kg/day or greater. Approximate 20-25% and 10-15% decreases were seen at the 450 and 150 mg/kg/day levels, respectively. Statistically significant ($p \leq 0.05$) reductions in weight gain were noted for the high dose males during weeks 1 through 13 and for the mid dose males during weeks 4 through 13. The mid dose males showed an average weight loss of approximately 12 grams between weeks 13 and 14. Weight loss of this magnitude was not seen in any other test group at this time. A slight reduction in food intake (approximately 6 g/day) was also noted for the mid dose males during the last week of the study.

For females, an approximate 10-15% decrease in body weight gain was seen for the high dose animals throughout the study. These reductions, however, were only statistically significant ($p \leq 0.05$) during the first week of the study. Body weights for mid dose females and low dose males and females did not appear to be affected by m-cresol treatment (Tables 2-5).

D. Food Consumption

Slight decreases in food intake, approximately 10-15% were generally seen throughout the study for males at the high dose level. Significantly ($p \leq 0.05$) lower than control mean food consumption values were noted for the high dose males during weeks 1 through 4, 6 through 9 and 11. For the high dose females, a significant reduction in food intake was observed at week 1, and significant increases were observed at weeks 4 and 6.

Scattered significant increases and decreases in food consumption were also noted for the mid and low dose animals. Mid dose males showed signficant decreases in food consumption for weeks 3, 6, 8, 12, and 13, while mid dose females showed signficant increases for weeks 4 and 11, as compared to the respective controls. Significantly lower food consumption values were noted for the low dose males during weeks 1, 2, 9, 11, and 12. Food consumption values for females at the low dose level were similar to controls

throughout the study except for week 4 when a significantly higher food consumption value was noted.

E. Clinical Pathology

Clinical chemistry, hematology, and urinalyses parameters did not appear to be affected by m-cresol treatment. Sporadic increases and decreases were observed which were not considered biologically significant (Tables 8-15, and Appendix D).

F. Ophthalmology

The Ophthalmology Report is contained in Appendix E. Treatment-related ophthalmic lesions were not seen for rats receiving m-cresol.

G. Organ Weights

Organ weights did not appear to be affected by m-cresol treatment. Sporadic increases and decreases were seen which were not considered biologically significant. The slight increases seen for relative brain weights of males at the mid and high dose levels reflect reductions in body weight gain for these animals. Absolute brain weights were unaffected. Similarly, absolute but not relative liver weights were decreased for these animals (Tables 16-19).

H. Pathology

The Pathology Report is shown in Appendix F. Treatment-related gross and histomorphologic lesions were not in evidence.

Although not treatment-related, there was a high prevalence of incidental lesions in both the high dose and control group animals, including lymphoid hyperplasia and perivascular lymphocytic infiltration. A possible explanation for these inflammatory lung changes may be that the cresol vapors caused irritation, in that the control group animals may have been exposed by proximity to the dosed rat cages. No indications of an infection by an adventitious microbial agent was evident.

Animal #3504, a high dose male, was the only animal found dead during the course of the study. At necropsy, the lungs were red, and blood was present in the thoracic cavity. Lung congestion was present microscopically, but no cause of death was determined, although gavage error or aspiration of the compound were considered possible explanations.

V. DISCUSSION

This study evaluated the oral toxicity of meta-cresol in Sprague Dawley rats when administered for 13 weeks by gavage. One high dose male was found dead on Test Day 5. The cause of death was not evident, although it may have been associated with gavage error or complications. Some of the remaining high dose males and females occasionally exhibited lethargy and tremors.

In addition, high dose males showed significant ($p \leq 0.05$) reductions in body weight gain during all weeks of the study. For high dose females, body weight gain was numerically lower than the control throughout the study, but was significantly lower only at week 1. Males at the mid dose level also showed reductions in body weight gain, which were statistically significant during weeks 4 through 13; however, clinical signs of toxicity were not evident for these animals.

Clinical chemistry, hematology, and organ weight measurements failed to detect treatment-related changes. In addition, ophthalmology and pathology examinations did not identify m-cresol target organs.

In summary, the biological effects of m-cresol, central nervous system depression and reductions in body weight gain, were generally restricted to the high-dose level under the conditions of the present study. Although a reduction in body weight gain also occurred for mid dose males but not females, no other manifestations of m-cresol toxicity were seen for these animals or for those at the low dose level.

VI. PERSONNEL:

L. Tom Mulligan, Ph.D. served as Study Director, and was responsible for the overall conduct of the study. Barry S. Levine, D.Sc., Diplomate, American Board of Toxicology, was Study Toxicologist and was responsible for the in-life portion of the study. Dr. Levine was also reponsible for clinical pathology data. Lucas H. Brennecke, DVM, Diplomate, American College of Veterinary Pathologists, was responsible for gross necropsies and histopathologic evaluations. John Miller, DVM, was responsible for laboratory animal care. Harry J. Paulin, M.S. served as Study Chemist, and provided dosage formulations and analytical chemistry services. Nona S. Karten, M.A., was responsible for the Quality Assurance Program. Mike Schulz, B.A., and Brian Makle, B.S., were responsible for the collection of in-life test animal data.

VII. ARCHIVES:

The raw data and final report are archived at Microbiological Associates Inc., 5221 River Road, Bethesda, MD 20816 with the following exceptions. Pathology specimens including wet tissues, blocks and slides, and original necropsy forms are temporarily archived at Pathology Associates Inc., 10075 Tyler Place, Hyatt Park II, Ijamsville, MD 21754 and will be transferred to the MBA Archives upon Sponsor approval of the final report.

VIII. PROTOCOL:

The study protocol and all protocol amendments for the subchronic toxicity of m-cresol in Sprague Dawley rats are presented following the report tables.

TABLE 1a

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
CONCENTRATION OF META-CRESOL IN CORN OIL (mg/ml)

STABILITY ANALYSES[a]

Sample Number	Date Mixed	Target Conc. (mg/ml)	Concentration (mg/ml) Zero Day	14-Day	Percent Difference*
C0221A85	9/28/85	10	10.58	10.98[b]	+3.8
C0223A85	9/28/85	90	104.6	100.7	-3.7

*Percent Difference = $\frac{\text{14-Day Value minus Zero Day Value}}{\text{Zero Day Value}} \times 100$

[a]Analyses performed in duplicate by American Biogenics Corporation unless noted otherwise.

[b]Analyses performed in triplicate.

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TABLE 1b

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
CONCENTRATION OF META-CRESOL IN CORN OIL (mg/ml)

FORMULATION ANALYSES[a]

Target Concentration (mg/ml)	Test Week 1	2	4	8	13
0	ND	ND	ND	ND	ND
10	8.4	9.3	9.5	8.5	8.7
30	31.7	34.2	30.1	27.9	27.4
90	96.5	100.8	94.8	87.3	93.9

[a]Analyses performed by ENSECO Inc. (formerly ERCO), Cambridge, MA unless otherwise noted.

ND = Not detected above the minimum reporting limit of 1.0 mg/ml.

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TABLE 2
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1[a]	220 ± 12(30)	217 ± 14(30)	220 ± 10(30)	215 ± 14(30)
2	283 ± 17(30)	282 ± 18(30)	282 ± 15(30)	269 ± 22(29)*
3	333 ± 24(30)	331 ± 22(30)	326 ± 19(30)	311 ± 26(29)*
4	376 ± 29(30)	370 ± 27(30)	366 ± 23(30)	350 ± 31(29)*
5	412 ± 32(30)	404 ± 27(30)	392 ± 28(30)	362 ± 43(29)*
6	440 ± 35(30)	433 ± 31(30)	413 ± 27(30)*	398 ± 39(29)*
7	468 ± 38(30)	460 ± 33(30)	439 ± 30(30)*	423 ± 39(29)*
8	497 ± 47(20)	484 ± 34(20)	451 ± 42(20)*	427 ± 45(19)*
9	514 ± 50(20)	504 ± 36(20)	470 ± 50(20)*	436 ± 48(19)*
10	534 ± 50(20)	524 ± 34(20)	495 ± 47(20)*	458 ± 48(19)*
11	548 ± 54(20)	549 ± 35(20)	517 ± 42(20)*	475 ± 44(19)*
12	566 ± 58(20)	562 ± 35(20)	529 ± 44(20)*	493 ± 46(19)*
13	576 ± 57(20)	568 ± 37(20)	542 ± 39(20)	497 ± 45(19)*
14	580 ± 57(20)	578 ± 36(20)	529 ± 47(20)*	502 ± 51(19)*

[a] Weights taken on Test Day 1 prior to dosing.

* -- Statistically significant difference from control group using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 3
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1	63 ± 8(30)	65 ± 7(30)	62 ± 9(30)	54 ± 12(29)*
2	113 ± 16(30)	114 ± 11(30)	106 ± 13(30)	96 ± 14(29)*
3	156 ± 21(30)	153 ± 16(30)	146 ± 17(30)	135 ± 22(29)*
4	192 ± 24(30)	187 ± 17(30)	172 ± 23(30)*	148 ± 33(29)*
5	220 ± 27(30)	216 ± 21(30)	193 ± 22(30)*	183 ± 28(29)*
6	248 ± 30(30)	242 ± 24(30)	219 ± 25(30)*	209 ± 28(29)*
7	276 ± 40(20)	268 ± 25(20)	229 ± 39(20)*	213 ± 35(19)*
8	293 ± 43(20)	288 ± 28(20)	249 ± 49(20)*	222 ± 39(19)*
9	313 ± 43(20)	308 ± 26(20)	274 ± 45(20)*	245 ± 38(19)*
10	327 ± 47(20)	332 ± 28(20)	291 ± 38(20)*	262 ± 32(19)*
11	346 ± 51(20)	345 ± 28(20)	307 ± 39(20)*	279 ± 35(19)*
12	355 ± 50(20)	351 ± 29(20)	320 ± 34(20)*	284 ± 33(19)*
13	359 ± 52(20)	361 ± 30(20)	308 ± 42(20)*	288 ± 39(19)*

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 4
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1[a]	146 ± 11(30)	151 ± 10(30)	149 ± 9(30)	146 ± 10(30)
2	176 ± 11(30)	180 ± 10(30)	176 ± 10(30)	171 ± 12(30)
3	197 ± 13(30)	199 ± 13(30)	197 ± 12(30)	193 ± 20(30)
4	215 ± 15(30)	215 ± 14(30)	216 ± 14(30)	211 ± 17(30)
5	230 ± 15(30)	230 ± 14(30)	230 ± 15(30)	222 ± 19(30)
6	239 ± 15(30)	241 ± 17(30)	239 ± 16(30)	234 ± 21(30)
7	251 ± 16(30)	250 ± 18(30)	249 ± 16(30)	245 ± 23(30)
8	259 ± 14(20)	258 ± 20(20)	253 ± 18(20)	244 ± 28(20)
9	264 ± 16(20)	262 ± 20(20)	260 ± 18(20)	248 ± 29(20)
10	271 ± 17(20)	267 ± 20(20)	265 ± 22(20)	252 ± 34(20)
11	281 ± 18(20)	279 ± 21(20)	272 ± 22(20)	260 ± 32(20)*
12	282 ± 17(20)	281 ± 21(20)	281 ± 21(20)	266 ± 33(20)
13	284 ± 18(20)	284 ± 21(20)	278 ± 22(20)	268 ± 34(20)
14	291 ± 19(20)	287 ± 22(20)	287 ± 26(20)	271 ± 39(20)

[a] Weights taken on Test Day 1 prior to dosing.

* -- Statistically significant difference from control group using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 5
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1	29 ± 5(30)	29 ± 8(30)	27 ± 6(30)	25 ± 8(30)*
2	50 ± 7(30)	48 ± 10(30)	48 ± 7(30)	47 ± 15(30)
3	69 ± 10(30)	64 ± 11(30)	67 ± 9(30)	64 ± 12(30)
4	84 ± 11(30)	79 ± 12(30)	81 ± 11(30)	76 ± 14(30)
5	93 ± 11(30)	90 ± 13(30)	90 ± 12(30)	88 ± 17(30)
6	105 ± 12(30)	99 ± 14(30)	100 ± 13(30)	99 ± 19(30)
7	112 ± 12(20)	106 ± 17(20)	105 ± 17(20)	99 ± 22(20)
8	117 ± 15(20)	110 ± 18(20)	112 ± 17(20)	103 ± 24(20)
9	124 ± 15(20)	115 ± 19(20)	117 ± 21(20)	107 ± 30(20)
10	134 ± 17(20)	126 ± 21(20)	124 ± 21(20)	115 ± 27(20)
11	135 ± 18(20)	129 ± 19(20)	133 ± 24(20)	121 ± 28(20)
12	137 ± 18(20)	132 ± 20(20)	130 ± 22(20)	123 ± 30(20)
13	144 ± 20(20)	135 ± 20(20)	138 ± 30(20)	127 ± 33(20)

* -- Statistically significant difference from control group using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 6
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1	27.4 ± 2.5(30)	23.5 ± 8.9(29)*	26.3 ± 2.7(30)	23.3 ± 2.6(29)*
2	28.5 ± 2.9(30)	25.7 ± 2.5(30)*	27.4 ± 3.2(30)	25.6 ± 3.2(29)*
3	27.8 ± 2.2(30)	26.8 ± 3.4(30)	24.4 ± 4.3(30)*	23.9 ± 3.5(29)*
4	28.3 ± 3.3(30)	26.5 ± 4.6(30)	25.6 ± 7.0(30)	22.5 ± 5.8(29)*
5	26.8 ± 3.4(30)	24.7 ± 7.0(30)	30.1 ± 6.9(30)	25.5 ± 3.4(29)
6	26.2 ± 3.2(30)	24.3 ± 3.5(30)	19.5 ± 4.4(30)*	23.1 ± 4.9(29)*
7	24.9 ± 2.9(30)	24.3 ± 2.6(29)	22.6 ± 3.8(30)	21.0 ± 5.5(29)*
8	26.0 ± 3.1(20)	24.5 ± 2.8(20)	22.3 ± 6.1(20)*	21.7 ± 5.5(19)*
9	26.5 ± 3.0(20)	24.3 ± 2.4(20)*	24.6 ± 2.5(20)	24.1 ± 3.4(19)*
10	25.6 ± 2.9(20)	24.5 ± 2.0(20)	25.0 ± 2.7(20)	24.7 ± 2.9(19)
11	26.7 ± 3.0(20)	23.8 ± 2.6(20)*	24.5 ± 2.3(20)	24.0 ± 3.9(19)*
12	26.5 ± 2.4(20)	23.1 ± 3.5(20)*	24.4 ± 1.8(20)*	24.4 ± 2.7(19)
13	22.2 ± 2.1(20)	20.4 ± 3.0(20)	18.5 ± 3.4(20)*	20.9 ± 3.7(19)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 7
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

TEST WEEK	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
1	17.7 ± 1.6(30)	17.1 ± 1.9(30)	16.7 ± 1.5(30)	15.4 ± 1.8(30)*
2	17.5 ± 3.1(30)	18.2 ± 4.4(30)	16.9 ± 1.5(30)	16.8 ± 3.7(30)
3	17.9 ± 3.4(30)	16.5 ± 6.7(30)	16.8 ± 3.4(30)	16.6 ± 4.7(30)
4	16.8 ± 3.4(30)	19.7 ± 3.4(29)*	19.9 ± 1.8(30)*	19.5 ± 4.3(30)*
5	16.5 ± 2.2(30)	17.3 ± 2.4(30)	15.3 ± 1.8(30)	17.8 ± 4.9(30)
6	17.0 ± 1.8(30)	16.3 ± 2.3(30)	17.1 ± 2.0(30)	21.6 ± 3.5(30)*
7	16.2 ± 4.8(30)	18.1 ± 9.3(30)	16.9 ± 2.6(30)	14.3 ± 2.0(30)
8	17.4 ± 2.2(20)	17.3 ± 4.5(20)	17.2 ± 1.9(20)	16.2 ± 2.1(20)
9	16.7 ± 2.0(20)	16.9 ± 2.1(20)	16.4 ± 2.1(20)	15.9 ± 2.3(20)
10	16.1 ± 1.6(20)	17.3 ± 4.9(20)	15.8 ± 3.8(20)	16.3 ± 2.2(20)
11	15.6 ± 1.2(20)	16.2 ± 2.3(20)	18.2 ± 2.3(20)*	16.1 ± 2.2(20)
12	16.7 ± 1.6(20)	17.1 ± 1.9(20)	18.0 ± 2.4(20)	16.9 ± 2.0(20)
13	14.2 ± 1.7(20)	13.6 ± 1.9(20)	14.3 ± 2.0(20)	13.4 ± 2.1(20)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 8
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
RBC (x 10^6/mm^3)	8.04 ± 0.41(10)	7.72 ± 0.49(10)	7.69 ± 0.40(10)	7.65 ± 0.36(10)
HGB (g/dl)	15.3 ± 0.4(10)	15.2 ± 0.6(10)	15.2 ± 0.6(10)	15.1 ± 0.5(10)
HCT (%)	42.4 ± 1.3(10)	41.6 ± 2.4(10)	41.7 ± 2.1(10)	41.2 ± 1.7(10)
PT (sec.)	12.7 ± 0.7(10)	12.1 ± 0.7(10)	12.3 ± 1.4(10)	11.4 ± 0.9(10)
APTT (sec.)	33.7 ± 2.2(10)	31.4 ± 7.4(10)	33.8 ± 3.2(10)	33.0 ± 2.3(10)
RETIC (% rbc)	0.9 ± 0.7(10)	1.1 ± 0.7(10)	1.1 ± 0.5(10)	0.6 ± 0.5(10)
WBC (x 10^3/mm^3)	13.5 ± 2.8(10)	14.1 ± 3.7(10)	11.9 ± 2.6(10)	13.5 ± 2.7(10)
SEGS (x 10^3/mm^3)	2.2 ± 1.3(10)	3.4 ± 2.2(10)	2.3 ± 1.4(10)	2.7 ± 1.1(10)
BANDS (x 10^3/mm^3)	0.0 ± 0.0(10)	0.0 ± 0.1(10)	0.1 ± 0.1(10)	0.0 ± 0.1(10)
LYMPHS (x 10^3/mm^3)	11.1 ± 2.9(10)	10.2 ± 2.8(10)	9.5 ± 1.8(10)	10.5 ± 2.1(10)
MONO (x 10^3/mm^3)	0.1 ± 0.2(10)	0.2 ± 0.2(10)	0.0 ± 0.1(10)	0.2 ± 0.1(10)
EOS (x 10^3/mm^3)	0.0 ± 0.0(10)	0.2 ± 0.1(10)*	0.0 ± 0.1(10)	0.1 ± 0.1(10)

* -- Statistically significant difference from control group using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 9
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Terminal Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
RBC (x 10^6/mm^3)	8.91 ± 0.33(10)	8.70 ± 0.27(10)	9.09 ± 0.50(9)	8.67 ± 0.34(10)
HGB (g/dl)	15.7 ± 0.5(10)	15.4 ± 0.4(10)	16.4 ± 0.6(10)*	15.7 ± 0.5(10)
HCT (%)	43.9 ± 1.2(10)	43.0 ± 1.5(10)	46.0 ± 1.7(10)*	44.4 ± 1.6(10)
PT (sec.)	11.3 ± 1.7(10)	11.4 ± 2.2(10)	12.2 ± 1.7(10)	12.0 ± 1.4(10)
APTT (sec.)	32.7 ± 6.8(10)	34.8 ± 1.8(10)	36.0 ± 3.9(10)	35.9 ± 5.4(10)
RETIC (% rbc)	0.8 ± 0.3(10)	0.6 ± 0.3(10)	0.6 ± 0.5(10)	0.8 ± 0.6(10)
WBC (x 10^3/mm^3)	12.5 ± 3.0(10)	12.9 ± 2.5(10)	11.7 ± 1.8(10)	12.0 ± 2.9(10)
SEGS (x 10^3/mm^3)	2.3 ± 1.1(10)	2.4 ± 1.3(10)	2.2 ± 1.7(10)	2.2 ± 1.5(10)
BANDS (x 10^3/mm^3)	0.1 ± 0.2(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)
LYMPHS (x 10^3/mm^3)	9.8 ± 2.6(10)	10.2 ± 1.4(10)	9.2 ± 1.4(10)	9.6 ± 2.8(10)
MONO (x 10^3/mm^3)	0.1 ± 0.1(10)	0.1 ± 0.2(10)	0.2 ± 0.2(10)	0.1 ± 0.2(10)
EOS (x 10^3/mm^3)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)

* -- Statistically significant difference from control group using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 10
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
RBC (x 10^6/mm^3)	7.72 ± 0.30(10)	7.66 ± 0.37(10)	7.83 ± 0.43(8)	7.36 ± 0.45(9)
HGB (g/dl)	15.4 ± 0.5(10)	15.5 ± 0.6(10)	15.8 ± 1.0(8)	15.1 ± 0.4(9)
HCT (%)	41.6 ± 1.7(10)	42.2 ± 1.8(10)	43.3 ± 2.3(8)	41.1 ± 1.7(9)
PT (sec.)	10.9 ± 1.5(9)	11.4 ± 2.0(10)	11.3 ± 0.8(10)	10.9 ± 1.9(10)
APTT (sec.)	32.5 ± 5.0(9)	38.0 ± 9.2(10)	33.9 ± 3.5(10)	37.4 ± 7.3(10)
RETIC (% rbc)	0.7 ± 0.5(10)	1.0 ± 0.7(10)	0.6 ± 0.4(8)	1.0 ± 0.9(9)
WBC (x 10^3/mm^3)	10.7 ± 1.7(10)	11.6 ± 2.1(10)	11.0 ± 2.2(8)	11.6 ± 2.6(9)
SEGS (x 10^3/mm^3)	2.0 ± 1.2(10)	2.1 ± 1.2(10)	1.8 ± 1.0(8)	2.4 ± 1.4(9)
BANDS (x 10^3/mm^3)	0.0 ± 0.1(10)	0.1 ± 0.2(10)	0.0 ± 0.1(8)	0.0 ± 0.0(9)
LYMPHS (x 10^3/mm^3)	8.5 ± 1.4(10)	9.2 ± 2.5(10)	9.1 ± 1.7(8)	8.9 ± 2.7(9)
MONO (x 10^3/mm^3)	0.1 ± 0.2(10)	0.1 ± 0.2(10)	0.1 ± 0.1(8)	0.2 ± 0.3(9)
EOS (x 10^3/mm^3)	0.1 ± 0.1(10)	0.1 ± 0.0(10)	0.0 ± 0.0(8)	0.0 ± 0.1(9)

Results presented as mean ± standard deviation (N)

TABLE 11
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Terminal Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
RBC (x 10^6/mm^3)	8.23 ± 0.35(10)	8.47 ± 0.46(10)	8.50 ± 0.27(10)	8.30 ± 0.54(10)
HGB (g/dl)	15.5 ± 0.6(10)	15.9 ± 0.7(10)	16.2 ± 0.4(10)	15.6 ± 0.8(10)
HCT (%)	44.0 ± 2.3(10)	44.7 ± 2.0(10)	45.8 ± 1.8(10)	44.5 ± 2.8(10)
PT (sec.)	11.2 ± 0.9(10)	11.1 ± 1.8(10)	10.9 ± 1.9(10)	10.9 ± 1.3(10)
APTT (sec.)	33.9 ± 7.5(10)	37.8 ± 5.1(10)	36.6 ± 4.3(10)	36.6 ± 2.6(10)
RETIC (% rbc)	0.7 ± 0.5(10)	0.6 ± 0.3(10)	0.8 ± 0.6(10)	0.6 ± 0.4(10)
WBC (x 10^3/mm^3)	8.7 ± 1.8(10)	9.4 ± 2.6(10)	9.3 ± 2.2(10)	8.6 ± 2.7(10)
SEGS (x 10^3/mm^3)	1.4 ± 0.7(10)	1.6 ± 1.1(10)	1.3 ± 0.7(10)	1.4 ± 1.1(10)
BANDS (x 10^3/mm^3)	0.0 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)
LYMPHS (x 10^3/mm^3)	7.0 ± 1.4(10)	7.5 ± 2.1(10)	7.8 ± 2.6(10)	6.9 ± 2.3(10)
MONO (x 10^3/mm^3)	0.1 ± 0.2(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)
EOS (x 10^3/mm^3)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.1 ± 0.1(10)	0.2 ± 0.1(10)

Results presented as mean ± standard deviation (N)

TABLE 12
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
GLU (mg/dl)	249.2 ± 72.4(9)	240.1 ± 89.5(10)	257.2 ± 85.4(10)	221.4 ± 88.4(10)
BUN (mg/dl)	17.8 ± 3.1(9)	16.0 ± 2.4(10)	17.8 ± 3.7(10)	16.0 ± 3.0(10)
SGPT (Iu/l)	27 ± 5(9)	55 ± 79(10)	27 ± 7(10)	33 ± 13(10)
SGOT (Iu/l)	74 ± 17(9)	116 ± 136(10)	67 ± 19(10)	86 ± 23(10)
T PRO (g/dl)	7.5 ± 1.1(9)	7.2 ± 0.8(10)	7.3 ± 0.8(10)	6.8 ± 0.7(10)
ALB (g/dl)	3.9 ± 0.5(9)	3.8 ± 0.4(10)	3.9 ± 0.4(10)	3.6 ± 0.2(10)
GLOB (g/dl)	3.6 ± 0.6(9)	3.4 ± 0.5(10)	3.5 ± 0.5(10)	3.2 ± 0.5(10)
ALB/GLOB (ratio)	1.106 ± 0.097(9)	1.121 ± 0.076(10)	1.127 ± 0.084(10)	1.131 ± 0.104(10)
CHOL (mg/dl)	75.3 ± 10.0(9)	74.9 ± 16.4(10)	81.9 ± 18.9(10)	72.7 ± 11.9(10)

Results presented as mean ± standard deviation (N)

TABLE 12 (continued)
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
D BIL (mg/dl)	0.02 ± 0.01(9)	0.03 ± 0.03(10)	0.03 ± 0.02(10)	0.02 ± 0.02(10)
T BIL (mg/dl)	0.15 ± 0.03(9)	0.13 ± 0.03(10)	0.17 ± 0.05(10)	0.15 ± 0.04(10)
Na (Meq/l)	151.1 ± 2.1(9)	149.7 ± 3.9(10)	150.2 ± 2.3(9)	144.3 ± 10.0(10)
K (Meq/l)	11.7 ± 2.7(9)	10.2 ± 4.7(10)	10.2 ± 2.1(9)	9.6 ± 2.9(10)
Cl (Meq/l)	100 ± 3(9)	103 ± 2(10)	101 ± 1(9)	99 ± 8(10)
ALK PHOS (Iu/l)	75 ± 23(9)	74 ± 27(10)	69 ± 18(10)	67 ± 13(10)
CO2 (Meq/l)	19 ± 5(9)	20 ± 3(10)	22 ± 3(9)	20 ± 3(10)
CREAT (mg/dl)	0.70 ± 0.06(9)	0.73 ± 0.08(10)	0.79 ± 0.10(10)	0.70 ± 0.12(10)
PHOS (mg/dl)	10.4 ± 0.7(9)	9.6 ± 0.9(10)	10.5 ± 0.8(10)	10.8 ± 0.9(10)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 13
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
GLU (mg/dl)	223.7 ± 43.9(10)	229.2 ± 40.9(10)	241.2 ± 47.6(10)	233.3 ± 38.8(10)
BUN (mg/dl)	13.3 ± 2.3(10)	13.5 ± 2.1(10)	14.0 ± 2.7(10)	13.9 ± 2.2(10)
SGPT (Iu/l)	28 ± 5(9)	27 ± 3(10)	40 ± 22(10)	31 ± 6(10)
SGOT (Iu/l)	76 ± 12(10)	73 ± 8(10)	97 ± 22(10)*	86 ± 20(10)
T PRO (g/dl)	6.7 ± 0.4(10)	6.7 ± 0.7(10)	7.1 ± 0.6(10)	6.6 ± 0.8(10)
ALB (g/dl)	3.8 ± 0.2(10)	3.9 ± 0.2(10)	4.1 ± 0.5(10)	3.9 ± 0.3(10)
GLOB (g/dl)	2.9 ± 0.4(10)	2.8 ± 0.6(10)	3.1 ± 0.5(10)	2.7 ± 0.7(10)
ALB/GLOB (ratio)	1.362 ± 0.238(10)	1.441 ± 0.327(10)	1.382 ± 0.333(10)	1.561 ± 0.495(10)
CHOL (mg/dl)	57.2 ± 12.1(10)	64.7 ± 18.1(10)	66.4 ± 18.0(10)	59.8 ± 11.4(10)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 13 (continued)
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
D BIL (mg/dl)	0.02 ± 0.03(10)	0.02 ± 0.03(10)	0.02 ± 0.02(10)	0.05 ± 0.08(10)
T BIL (mg/dl)	0.14 ± 0.04(10)	0.15 ± 0.04(10)	0.16 ± 0.07(10)	0.15 ± 0.04(10)
Ca (mg/dl)	9.8 ± 2.2(10)	10.6 ± 2.2(10)	9.4 ± 1.9(10)	9.8 ± 1.8(9)
Na (Meq/l)	146 ± 2(7)	144 ± 3(8)	145 ± 2(7)	146 ± 3(6)
K (Meq/l)	6.2 ± 0.7(7)	6.1 ± 1.1(8)	6.8 ± 1.6(7)	6.6 ± 0.9(6)
Cl (Meq/l)	103 ± 1(7)	102 ± 1(8)	102 ± 2(7)	103 ± 2(6)
ALK PHOS (Iu/l)	62 ± 21(10)	87 ± 26(10)	66 ± 28(10)	88 ± 25(10)
CO2 (Meq/l)	24 ± 4(7)	23 ± 4(8)	25 ± 5(7)	23 ± 7(6)
CREAT (mg/dl)	0.67 ± 0.17(8)	0.73 ± 0.10(10)	0.78 ± 0.09(10)	0.78 ± 0.14(8)
PHOS (mg/dl)	8.5 ± 0.7(7)	8.3 ± 1.1(8)	7.9 ± 1.2(8)	8.8 ± 0.5(8)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 14
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
GLU (mg/dl)	204.8 ± 69.4(10)	212.0 ± 71.6(10)	186.7 ± 74.3(10)	230.3 ± 122.2(10)
BUN (mg/dl)	19.6 ± 2.8(10)	19.6 ± 4.2(10)	21.6 ± 4.0(10)	19.5 ± 3.1(10)
SGPT (Iu/l)	29 ± 10(10)	34 ± 9(10)	34 ± 11(9)	36 ± 16(10)
SGOT (Iu/l)	79 ± 12(10)	77 ± 11(10)	75 ± 12(9)	81 ± 22(10)
T PRO (g/dl)	7.5 ± 0.9(10)	8.0 ± 1.0(10)	7.8 ± 1.1(10)	7.8 ± 1.3(10)
ALB (g/dl)	4.2 ± 0.5(10)	4.5 ± 0.7(10)	4.3 ± 0.5(10)	4.2 ± 0.6(10)
GLOB (g/dl)	3.3 ± 0.6(10)	3.5 ± 0.5(10)	3.5 ± 0.6(10)	3.6 ± 1.0(10)
ALB/GLOB (ratio)	1.309 ± 0.208(10)	1.305 ± 0.149(10)	1.250 ± 0.136(10)	1.242 ± 0.266(10)
CHOL (mg/dl)	99.7 ± 18.5(10)	100.5 ± 18.9(10)	100.2 ± 22.6(10)	115.4 ± 31.5(10)

Results presented as mean ± standard deviation (N)

TABLE 14 (continued)
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

Parameter	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
D BIL (mg/dl)	0.03 ± 0.02(10)	0.04 ± 0.03(10)	0.03 ± 0.03(10)	0.04 ± 0.03(10)
T BIL (mg/dl)	0.15 ± 0.04(10)	0.16 ± 0.05(10)	0.17 ± 0.04(10)	0.18 ± 0.05(10)
Na (Meq/l)	151 ± 12(8)	158 ± 20(8)	151 ± 12(6)	152 ± 13(8)
K (Meq/l)	13.2 ± 5.0(8)	10.5 ± 1.3(7)	15.1 ± 3.4(6)	12.2 ± 2.5(8)
Cl (Meq/l)	108 ± 9(8)	111 ± 19(8)	111 ± 15(6)	107 ± 13(8)
ALK PHOS (Iu/l)	54 ± 18(10)	47 ± 15(10)	54 ± 18(10)	51 ± 18(10)
CO2 (Meq/l)	17 ± 5(8)	19 ± 7(8)	14 ± 3(6)	19 ± 5(8)
CREAT (mg/dl)	0.71 ± 0.19(10)	0.77 ± 0.07(10)	0.72 ± 0.15(10)	0.86 ± 0.10(10)
PHOS (mg/dl)	9.9 ± 0.8(10)	10.8 ± 0.7(10)*	11.3 ± 0.7(10)*	10.3 ± 1.0(10)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 15
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
GLU (mg/dl)	215.7 ± 36.0 (10)	204.0 ± 29.4 (10)	199.1 ± 51.2 (10)	206.5 ± 57.2 (10)
BUN (mg/dl)	16.1 ± 4.1 (10)	14.6 ± 2.9 (10)	15.6 ± 3.5 (10)	14.3 ± 3.2 (10)
SGPT (Iu/l)	38 ± 20 (10)	33 ± 11 (10)	26 ± 5 (10)	33 ± 11 (10)
SGOT (Iu/l)	103 ± 38 (10)	85 ± 8 (10)	82 ± 16 (10)	83 ± 17 (10)
T PRO (g/dl)	7.3 ± 0.7 (10)	7.4 ± 0.6 (10)	7.2 ± 0.6 (10)	7.2 ± 0.7 (10)
ALB (g/dl)	4.5 ± 0.5 (10)	4.3 ± 0.4 (10)	4.4 ± 0.4 (10)	4.5 ± 0.4 (10)
GLOB (g/dl)	2.8 ± 0.4 (10)	3.0 ± 0.4 (10)	2.7 ± 0.5 (10)	2.7 ± 0.5 (10)
ALB/GLOB (ratio)	1.603 ± 0.260 (10)	1.467 ± 0.260 (10)	1.674 ± 0.435 (10)	1.775 ± 0.468 (10)
CHOL (mg/dl)	85.5 ± 12.8 (10)	77.4 ± 14.2 (10)	69.9 ± 15.8 (9)	81.3 ± 16.5 (10)

Results presented as mean ± standard deviation (N)

TABLE 15 (continued)
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
D BIL (mg/dl)	0.01 ± 0.01 (10)	0.03 ± 0.05 (10)	0.01 ± 0.02 (10)	0.05 ± 0.08 (10)
T BIL (mg/dl)	0.15 ± 0.06 (10)	0.15 ± 0.11 (10)	0.16 ± 0.04 (10)	0.14 ± 0.07 (10)
Ca (mg/dl)	11.3 ± 2.1 (10)	10.8 ± 1.6 (10)	10.9 ± 1.3 (10)	11.1 ± 1.8 (10)
Na (Meq/l)	144 ± 2 (6)	145 ± 3 (8)	145 ± 5 (7)	143 ± 3 (6)
K (Meq/l)	7.2 ± 1.1 (6)	7.0 ± 1.1 (8)	7.7 ± 1.4 (7)	7.4 ± 1.0 (6)
Cl (Meq/l)	103 ± 3 (6)	103 ± 2 (8)	104 ± 3 (7)	104 ± 3 (6)
ALK PHOS (Iu/l)	51 ± 18 (10)	71 ± 70 (10)	53 ± 17 (10)	76 ± 43 (10)
CO2 (Meq/l)	18 ± 4 (6)	23 ± 6 (8)	19 ± 3 (7)	19 ± 3 (6)
CREAT (mg/dl)	0.77 ± 0.08 (10)	0.76 ± 0.17 (10)	0.75 ± 0.08 (10)	0.74 ± 0.11 (10)
PHOS (mg/dl)	8.0 ± 0.8 (9)	7.6 ± 1.2 (9)	7.8 ± 1.2 (10)	8.3 ± 0.8 (9)

Results presented as mean ± standard deviation (N)

TABLE 16
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE MALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

Organ	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
HEART	0.327 ± 0.028(20)	0.338 ± 0.037(20)	0.347 ± 0.033(20)	0.355 ± 0.042(19)
LIVER	3.313 ± 0.339(20)	3.327 ± 0.301(19)	3.121 ± 0.349(20)	3.412 ± 0.358(19)
SPLEEN	0.148 ± 0.011(20)	0.144 ± 0.020(20)	0.141 ± 0.024(20)	0.155 ± 0.024(19)
KIDNEY-LFT	0.370 ± 0.038(20)	0.360 ± 0.047(20)	0.387 ± 0.040(20)	0.386 ± 0.067(19)
KIDNEY-RT	0.380 ± 0.036(20)	0.365 ± 0.041(20)	0.385 ± 0.045(20)	0.397 ± 0.068(19)
TESTIS-LFT	0.338 ± 0.073(20)	0.318 ± 0.032(20)	0.339 ± 0.048(20)	0.360 ± 0.033(19)
TESTIS-RT	0.339 ± 0.090(20)	0.315 ± 0.029(20)	0.345 ± 0.031(20)	0.368 ± 0.050(19)
ADRENALS	0.014 ± 0.004(20)	0.013 ± 0.002(20)	0.014 ± 0.003(20)	0.015 ± 0.004(19)
BRAIN	0.409 ± 0.035(20)	0.412 ± 0.034(20)	0.447 ± 0.042(20)*	0.476 ± 0.057(19)*
THY./PARA.	0.008 ± 0.005(20)	0.007 ± 0.002(20)	0.006 ± 0.002(20)	0.007 ± 0.003(19)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 17
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE FEMALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

Organ	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
HEART	0.410 ± 0.084(20)	0.400 ± 0.036(20)	0.394 ± 0.049(20)	0.394 ± 0.038(20)
LIVER	3.355 ± 0.295(20)	3.436 ± 0.313(20)	3.415 ± 0.224(19)	3.575 ± 0.371(20)
SPLEEN	0.199 ± 0.028(20)	0.203 ± 0.023(20)	0.191 ± 0.028(20)	0.190 ± 0.020(20)
KIDNEY-LFT	0.388 ± 0.039(20)	0.384 ± 0.039(20)	0.433 ± 0.160(19)	0.408 ± 0.040(20)
KIDNEY-RT	0.406 ± 0.037(20)	0.397 ± 0.036(20)	0.411 ± 0.035(18)	0.426 ± 0.042(20)
OVARY-LFT	0.027 ± 0.004(20)	0.033 ± 0.007(20)	0.030 ± 0.011(20)	0.029 ± 0.007(20)
OVARY-RT	0.028 ± 0.005(20)	0.031 ± 0.007(20)	0.030 ± 0.007(20)	0.031 ± 0.010(20)
ADRENALS	0.027 ± 0.007(20)	0.030 ± 0.006(20)	0.028 ± 0.006(20)	0.027 ± 0.007(20)
BRAIN	0.769 ± 0.061(20)	0.782 ± 0.053(20)	0.769 ± 0.066(20)	0.804 ± 0.103(20)
THY./PARA.	0.010 ± 0.004(20)	0.011 ± 0.005(20)	0.010 ± 0.002(20)	0.010 ± 0.003(20)

Results presented as mean ± standard deviation (N)

TABLE 18
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

Organ	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
HEART	1.811 ± 0.205(20)	1.858 ± 0.214(20)	1.764 ± 0.167(20)	1.705 ± 0.240(19)
LIVER	18.344 ± 2.495(20)	18.181 ± 1.687(19)	15.928 ± 2.351(20)*	16.408 ± 2.367(19)*
SPLEEN	0.819 ± 0.104(20)	0.790 ± 0.127(20)	0.716 ± 0.122(20)*	0.743 ± 0.127(19)
KIDNEY-LFT	2.047 ± 0.239(20)	1.975 ± 0.259(20)	1.968 ± 0.188(20)	1.849 ± 0.341(19)
KIDNEY-RT	2.094 ± 0.190(20)	2.003 ± 0.233(20)	1.959 ± 0.229(20)	1.897 ± 0.331(19)
TESTIS-LFT	1.859 ± 0.377(20)	1.741 ± 0.132(20)	1.717 ± 0.177(20)	1.717 ± 0.091(19)
TESTIS-RT	1.863 ± 0.471(20)	1.724 ± 0.116(20)	1.751 ± 0.096(20)	1.760 ± 0.262(19)
ADRENALS	0.075 ± 0.019(20)	0.072 ± 0.015(20)	0.070 ± 0.013(20)	0.072 ± 0.019(19)
BRAIN	2.250 ± 0.084(20)	2.258 ± 0.082(20)	2.265 ± 0.098(20)	2.272 ± 0.181(19)
THY./PARA.	0.042 ± 0.020(20)	0.036 ± 0.009(20)	0.031 ± 0.009(20)	0.035 ± 0.012(19)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TABLE 19
SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

Organ	0 mg/kg/day	50 mg/kg/day	150 mg/kg/day	450 mg/kg/day
HEART	1.107 ± 0.210(20)	1.065 ± 0.109(20)	1.063 ± 0.164(20)	0.995 ± 0.103(20)
LIVER	9.093 ± 0.949(20)	9.192 ± 1.287(20)	9.229 ± 0.938(19)	9.092 ± 1.373(20)
SPLEEN	0.541 ± 0.089(20)	0.542 ± 0.077(20)	0.514 ± 0.075(20)	0.486 ± 0.089(20)
KIDNEY-LFT	1.050 ± 0.105(20)	1.024 ± 0.122(20)	1.166 ± 0.422(19)	1.032 ± 0.106(20)
KIDNEY-RT	1.098 ± 0.080(20)	1.058 ± 0.102(20)	1.115 ± 0.082(18)	1.077 ± 0.128(20)
OVARY-LFT	0.073 ± 0.010(20)	0.089 ± 0.019(20)	0.081 ± 0.029(20)	0.075 ± 0.022(20)
OVARY-RT	0.074 ± 0.011(20)	0.082 ± 0.019(20)	0.081 ± 0.017(20)	0.079 ± 0.025(20)
ADRENALS	0.072 ± 0.018(20)	0.081 ± 0.017(20)	0.075 ± 0.014(20)	0.069 ± 0.015(20)
BRAIN	2.078 ± 0.102(20)	2.078 ± 0.079(20)	2.063 ± 0.093(20)	2.018 ± 0.106(20)
THY./PARA.	0.026 ± 0.009(20)	0.030 ± 0.013(20)	0.027 ± 0.006(20)	0.025 ± 0.005(20)

Results presented as mean ± standard deviation (N)

Table 20

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Male Hematology
Baseline Values

ANIMAL	RBC	HGB	HCT	MCV	MCH	MCHC	RETIC
0 mg/kg							
3521	5.80	13.2	37.5	65	22.8	35.2	1.0
3522	6.46	13.7	40.2	62	21.2	34.1	0.8
3523	6.66	15.1	43.2	65	22.7	34.9	0.1
3524	6.06	13.2	39.2	65	21.8	33.7	0.1
3525	6.29	13.9	40.6	65	22.1	34.2	0.3
3526	6.97	14.6	44.4	64	20.9	32.9	0.4
3527	5.96	13.3	39.1	66	22.3	34.0	0.6
3528	6.65	14.7	43.3	65	22.1	33.9	2.0
3529	6.71	14.0	41.3	62	20.9	33.9	1.0
3530	5.33	12.0	35.1	66	22.5	34.2	1.4
MEAN	6.29	13.8	40.4	65	21.9	34.1	0.8
STD	0.50	0.9	2.8	1	0.7	0.6	0.6

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Hematology
Baseline Values

ANIMAL	RBC	HGB	HCT	MCV	MCH	MCHC	RETIC
0 mg/kg							
3651	6.65	13.9	41.1	62	20.9	33.8	0.2
3652	6.01	13.3	39.4	66	22.1	33.8	0.3
3653	5.92	12.8	36.6	62	21.6	35.0	0.3
3654	6.29	13.4	37.1	59	21.3	36.1	0.1
3655	5.29	12.0	35.0	66	22.7	34.3	0.8
3656	5.54	12.6	36.0	65	22.7	35.0	0.1
3657	6.41	13.3	38.6	60	20.7	34.4	0.1
3658	7.18	14.2	41.7	58	19.8	34.0	0.1
3659	5.98	12.6	36.8	62	21.1	34.2	0.1
3660	6.56	13.3	38.3	58	20.3	34.7	0.2
MEAN	6.18	13.1	38.1	62	21.3	34.5	0.2
STD	0.55	0.7	2.2	3	1.0	0.7	0.2

Table 20 (continued)
Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Male Hematology
Baseline Values

ANIMAL	WBC	SEGS	BANDS	LYMPHS	MONO	EOS	PT	APTT
0 mg/kg								
3521	9.4	22	0	76	2	0	10.8	25.7
3522	13.0	44	0	48	3	0	11.0	24.0
3523	15.7	11	2	77	6	0	11.5	33.5
3524	14.4	9	0	87	4	0	10.8	17.1
3525	11.7	5	0	95	0	0	11.2	36.0
3526	13.1	9	1	85	4	1	11.1	24.9
3527	11.8	15	0	84	1	0	10.8	18.1
3528	15.8	13	1	83	2	0	11.0	35.7
3529	17.7	19	0	79	1	1	9.6	22.9
3530	9.3	15	1	83	0	0	8.0	32.8
MEAN	13.2	16	1	80	2	0	10.6	27.1
STD	2.8	11	1	12	2	0	1.0	7.0

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Hematology
Baseline Values

ANIMAL	WBC	SEGS	BANDS	LYMPHS	MONO	EOS	PT	APTT
0 mg/kg								
3651	11.2	6	0	92	0	0	10.8	28.9
3652	10.9	2	2	89	7	0	10.8	28.9
3653	11.5	10	2	85	2	1	10.8	22.2
3654	9.0	8	0	84	7	1	11.2	25.7
3655	7.2	3	0	92	5	0	10.7	19.1
3656	11.5	6	0	86	7	1	10.9	40.5
3657	8.7	4	0	93	2	0	10.6	31.0
3658	5.4	13	0	82	3	0	10.5	38.6
3659	11.4	2	0	93	4	0	10.6	27.7
3660	9.1	9	0	88	3	0	10.6	30.5
MEAN	9.6	6	0	88	4	0	10.8	29.3
STD	2.1	4	1	4	2	0	0.2	6.6

Table 21

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Male Clinical Chemistry
Baseline Values

ANIMAL	TPRO	BALB	GLOB	BUN	CREA	GLUC	TBIL	DBIL	AST	ALT	CHOL	ALP	PHOS	K	NA	CL	CO2
0 mg/kg																	
3521	5.7	3.9	1.8	16.1	0.83	185.7	0.36	0.15	96	35	60.6	188	14.4	QNS	QNS	QNS	18
3522	6.0	4.1	1.9	20.4	0.82	354.0	0.26	0.12	95	40	55.3	411	11.2	11.0	144	113	21
3523	5.9	3.9	2.0	16.7	0.67	267.2	0.30	0.10	88	50	51.6	345	12.4	QNS	QNS	QNS	15
3524	6.0	4.0	2.0	16.9	0.78	426.1	0.29	0.11	86	40	80.2	247	15.0	12.1	145	120	25
3525	6.7	4.3	2.4	20.9	0.73	283.6	0.28	0.09	81	36	55.9	229	13.2	8.7	142	113	26
3526	6.7	4.3	2.4	21.4	0.78	422.6	0.27	0.15	91	50	105.2	266	14.8	12.5	148	105	21
3527	6.4	4.2	2.2	24.3	0.71	242.4	0.30	0.14	84	32	62.4	369	12.2	9.3	146	109	28
3528	6.1	4.0	2.1	18.0	0.79	335.4	0.27	0.12	89	39	74.0	280	14.4	12.0	144	106	19
3529	6.2	4.0	2.2	19.1	0.73	316.4	0.25	0.17	73	32	80.9	185	13.0	8.8	145	106	26
3530	6.2	3.8	2.4	23.4	0.69	344.9	0.27	0.04	79	29	76.0	178	13.6	12.4	142	107	22
MEAN	6.2	4.1	2.1	19.7	0.75	317.8	0.29	0.12	86	38	70.2	270	13.4	8.7	116	88	22
STD	0.3	0.2	0.2	2.8	0.05	76.0	0.03	0.04	7	7	16.4	82	1.2	4.8	61	47	4

Table 21 (continued)

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Clinical Chemistry
Baseline Values

ANIMAL	TPRO	BALB	GLOB	BUN	CREA	GLUC	TBIL	DBIL	AST	ALT	CHOL	ALP	PHOS	K	NA	CL	CO2
0 mg/kg																	
3651	6.0	4.2	1.8	16.6	0.64	312.1	0.25	0.11	63	33	74.9	279	13.0	10.5	143	109	26
3652	5.9	4.3	1.6	20.3	0.62	258.2	0.30	0.16	71	35	56.0	330	11.6	7.6	143	109	26
3653	6.4	4.4	2.0	18.6	0.61	287.3	0.26	0.08	76	34	56.3	340	13.6	10.4	140	107	20
3654	6.4	4.4	2.0	19.2	0.71	212.9	0.29	0.05	84	40	81.6	185	12.8	8.9	148	105	25
3655	6.4	4.4	2.0	24.3	0.71	389.3	0.33	0.09	88	41	76.7	305	15.6	14.1	149	104	22
3656	5.8	4.1	1.7	21.3	0.67	325.5	0.21	0.02	66	29	68.2	196	11.4	11.5	144	107	19
3657	6.5	4.5	2.0	18.9	0.68	376.8	0.21	0.17	70	30	86.0	169	12.6	11.4	140	108	19
3658	6.9	4.9	2.0	20.5	0.75	345.3	0.21	0.02	93	29	72.5	181	15.6	13.7	147	107	14
3659	6.6	4.9	1.7	27.0	0.70	315.8	0.19	0.16	88	37	76.5	394	16.6	10.7	141	104	22
3660	6.7	4.7	2.0	18.1	0.64	364.3	0.27	0.13	80	28	63.9	158	14.8	QNS	QNS	QNS	QNS
MEAN	6.4	4.5	1.9	20.5	0.67	318.8	0.25	0.10	78	34	71.3	254	13.8	9.9	130	96	19
STD	0.4	0.3	0.2	3.1	0.05	54.9	0.05	0.06	10	5	10.1	86	1.8	4.0	46	34	8

Experiment Number 5221.07

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

I. PURPOSE

The purpose of this study is to determine the toxic effects of m-cresol when administered by gavage for 13 weeks to Sprague Dawley rats.

II. SPONSOR AND TESTING FACILITY

A. Sponsor Name: Research Triangle Institute (RTI)

B. Sponsor Authorization Date: (See last page)

C. Protocol Approval Date: (See last page)

D. Testing Facility: Microbiological Associates Inc.,
5221 River Road
Bethesda, Maryland 20816

E. Principal Investigator (Study Director): Louis T. Mulligan, Ph.D.

F. Toxicologist: Barry S. Levine, D.Sc., D.A.B.T.

III. TEST SCHEDULE

A. Scheduled Initiation Date: 26 September 1985

B. Proposed Termination Date: 26 December 1985

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IV. TEST ARTICLE

A. Name: m-cresol

B. Source and Manufacturer

Source: Eastman Kodak Company
Rochester, NY 14650

Manufacturer: To be supplied

Lot No.: K-14-A

Batch No.: None

Purity: 99% +

In-house Chemical No.: 24

C. Safety Precautions

1. Personnel Protection

Eye: Safety goggles

Gloves: Two pairs of gloves should be worn when handling the neat chemical; one pair of gloves should be worn when handling dose preparations.

Clothing: Protective laboratory clothing will be worn when handling dose preparations or neat chemical.

Ventilation: Handling of open dosage containers or chemical should be conducted in a properly vented hood.

Respirator: A respirator fitted with an organic vapor (or organic vapor/acid vapor) cartridge equipped with a particulate filter will be used at all times when working with open containers and when working in rooms with animals dosed with this chemical.

2. Spills and Leakage

Persons not wearing the appropriate protective equipment and clothing should be restricted from areas of spills or leaks until cleanup has been completed.

If m-cresol or solutions of it are spilled the following steps should be taken:

a. Ventilate area of spill. Eliminate all heat and ignition sources.

b. Use vermiculite, sodium bicarbonate, sand, or paper towels to absorb the oil.

c. Wash area with detergent and water or Micoklene and water. Rinse well with water.

d. Dispose of all material in the cleanup as hazardous waste.

3. Waste and Disposal Procedures

Securely package and label, in double bags, all solid waste material and dispose of by incineration or by burial at a secured landfill. Dispose of liquid waste in liquid hazardous waste drums.

4. Preparation of Doses

Doses will be prepared in the Carcinogen Handling Room, 3rd floor, 5221 River Road, Bethesda, MD. 20816.

5. Analysis of Solutions

The stability of the test solution will be determined after storage for the same period and under the same condition to be used in the study.

The accuracy of formulation will be checked by analysis of samples taken from solutions prepared for administration during weeks 1, 2, 4, 8 and 13 of treatment.

V. TEST SYSTEMS

A. Animals

1. Strain/Species: Sprague Dawley Rats

2. Number/Sex: 130 males/130 females

3. Age: 5-6 weeks old at start of dosing

4. Supplier: Charles River Breeding Laboratories
Lakeview, NY

5. Justification of Test Animal: The test animal (Sprague Dawley Rats) was specified by the sponsor and is a routine laboratory animal utilized in small rodent subchronic toxicology studies.

VI. HOUSING

The animals will be individually housed in polycarbonate shoe boxes marked with a test article code and held on stainless steel racks equipped with an automatic watering system. Heat treated hardwood chips will be used for cage bedding. Racks will be periodically repositioned within the room to minimize any effect of variation in light intensity, temperature, etc.

VII. ANIMAL ENVIRONMENT

A. Temperature: $72^{\circ} \pm 3^{\circ}F$

B. Humidity: 50 ± 15%

C. Light Cycle: 12 hour cycle

D. Water: Washington Suburban Sanitary Commission Potomac Plant; untreated; ad libitum.

E. Feed: Purina standard lab chow.

F. Cage Change Schedule: Cages will be changed every other week.

G. Feeder Change Schedule: Once weekly.

H. Rack Changes: Every other week.

I. Air Change: At least 12-15 per hour.

J. Bedding Changes: Twice weekly.

K. It is not expected that there are contaminants in the feed or water which would have any influence on the study.

VIII. QUARANTINE

A. Animals will be maintained in quarantine for 12-16 days. The cleaning, feeding and watering procedures will be the same as described above for the test period. Animals will be group housed during the quarantine period, but individually housed at test animal selection.

B. Animals will be observed twice daily for signs of illness or death and all unusual observations will be reported to the Principal Investigator or Director of Veterinary Medicine.

C. Animals will be examined during quarantine and approved for use by the Director of Veterinary Medicine prior to being placed on test. Health Status Evaluation form RA/QA 11 will be completed by the Study Director and Director of Veterinary Medicine.

IX. RANDOMIZATION, ANIMAL NUMBERING, STATISTICAL ANALYSIS

A. Randomization: During the quarantine period, the animals will be randomized as follows: Starting with one sex of the species to be randomized, each animal will be weighed, placed into individually numbered cages and separated into one of a number of weight range groups which are based on successive intervals of 5 grams. The weight of each is recorded on paper. After all animals have been placed into their appropriate weight range groups, 120 of the animals with weights closest to the median weight will be randomized. Outliers will be used for health check evaluation and baseline evaluations or killed.

After the appropriate number of animals per sex have been selected, a random number table will be computer generated for each sex and used to allocate animals to a treatment group.

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B. Numbering: Animals will be uniquely consecutively numbered using toe clips.

C. Statistics: The data will be examined using analysis of variance techniques followed by a multiple comparison procedure for detecting differences between pairs of means. Some pathology and clinical data may require nonparametric techniques to aid in interpretation.

X. EXPERIMENTAL METHODS

A. Dosing

1. Route: Gavage (specified by sponsor)

2. Vehicle: Corn Oil

3. Frequency: Daily, approximately the same time each day, 7 days a week, for a total period of 13 weeks.

4. Dosage Volume: Five (5) ml/kg calculated on animal's most recent body weight.

5. Controls: Receive vehicle alone at the same dosage volume as treated animals.

6. Mixing Frequency: Dosing solutions will be mixed on a weekly basis.

B. Treatment Groups

Animals will be randomly assigned to groups with the following design:

Group	Treatment	Dose Level (mg/kg/day)	Number of Animals Male	Female
1	Negative control	—	30	30
2	m-cresol	50	30	30
3	m-cresol	150	30	30
4	m-cresol	450	30	30
5	Baseline clinical pathology	—	10	10

The ten male and ten female animals in group #5 will be sacrificed at study initiation for collection of baseline data on hematology and serum chemistry.

Ten male and ten female animals (selected prior to initation of the study) from each remaining group will be sacrificed at 45-days post-treatment initiation for clinical pathology and collection of tissues for possbile later evaluation. The following organs will be weighed: heart, liver, spleen, brain, kidneys (individually), gonads (individually), adrenals and thyroid/parathyroid.

C. Clinical Observations

1. Animals will be observed twice daily (once in the morning and once in afternoon) seven days per week for moribundity/mortality. Moribund animals unlikely to survive until the next observation will be sacrificed and necropsied immediately.

2. Each animal will be examined daily for clinical signs of toxicity.

3. Signs of toxicity noted at other times will be recorded on room schedules and transferred to the observation sheet if they persist.

4. Animal Weights - Individual animal weights for test and control groups will be recorded at initiation (day 1) and weekly thereafter.

5. Individual feed consumptions will be derived by calculating the difference in weight of each feed jar plus contents at the beginning and end of the feeding interval and dividing by the number of days involved.

D. Ophthalmoscopy

Funduscopic (indirect opthalmoscopy) and biomicroscopic (slitlamp) examinations will be performed pretreatment and at termination on all animals designated to be terminated at 13-weeks.

E. Clinical Pathology

1. The following hematology (all animals fasted overnight) will be performed on the 20 animals designated for baseline values (day 1), on 10 males and 10 females/group designated to be sacrificed at 45 days and on 10 males and 10 females/group designated to be sacrificed at termination of the study:

Hemoglobin
Hematocrit
Erythrocyte count
Total and differential leukocyte count
Platlet count
Reticulocyte count

2. The following clinical chemistry will be determined on serum samples per the hematology schedule:

Sodium
Chloride
Potassium
Calcium
Phosphorus
Blood creatinine
CO_2
SGPT
SGOT
Glucose
BUN
Direct and total bilirubin
SAP
Total cholesterol
Albumin
Globulin
Total protein

50

3. Urinalysis will be determined on day 45 and at termination as outlined for hematology. The following parameters will be measured:

   Specific gravity
   pH
   Protein
   Glucose
   Ketones
   Bilirubin
   Urobilinogen
   Microscopic examination

F. Necropsy and Histopathology:

1. A complete, detailed necropsy will be performed on all animals.

2. Animals that die or are sacrificed prior to the scheduled sacrifice will be necropsied as soon as possible after death. Animals that can not be necropsied immediately will be stored in a refrigerator until necropsy but no longer than 24 hours.

3. From all animals on study, except those designated for baseline clinical chemistry the following tissues will be collected and preserved in buffered formalin.

   All gross lesions
   Brain (3 levels)
   Eye
   Pituitary
   Salivary gland
   Heart
   Thymus
   Thyroid (with parathyroid)
   Lungs (with mainstem bronchi)
   Trachea
   Esophagus
   Stomach
   Small and large intestine
   Adrenals
   Pancreas
   Liver
   Kidneys
   Urinary bladder
   Testes
   Prostate
   Ovaries
   Corpus and cervix uteri
   Spleen
   Bone (with marrow)
   Skeletal muscle
   Lymph node
   Spinal cord
   Mammary gland
   Aorta
   Sciatic nerve

4. Histopathological evaluation will be performed on all abnormal tissues and lesions of all animals on study. All listed tissues will be saved from all rats at the 45-day sacrifice for possible future evaluation. All the above listed tissues will be evaluated on all animals sacrificed because of a moribund condition, those that die on test, and all control and high-dose animals sacrificed at the 13 week termination. Histopathology in the mid and low dose groups will only be required for gross lesions and apparent target organs. Target organs will be determined from previous studies, clinical data, and the histopathology in the high-dose level group. All lesions will be rated according to their severity.

5. At terminal sacrifice, in addition to terminal body weight, the heart, liver, spleen, brain, kidneys (individually), gonads (individually), adrenals and thyroid/parathyroid will be weighed to three significant figures. Organ weight to body weight ratios will be computed.

G. Statistical Procedures:

In general, the data will be examined using analysis of variance techniques followed by a multiple comparison procedure for detecting differences between pairs of means. Some anatomical and clinical pathology data may require nonparametric techniques to aid in interpretation.

H. Data Collections and Reporting:

Abnormal observations, body weights, feed consumptions, dose formulation documentation, and general study comments will be recorded in laboratory notebooks. Clinical laboratory data will be recorded in notebooks or will be direct instrument or computer output. Pathology data, including organ weights, will be recorded on individual loose-leaf pathology sheets (one per animal). At the completion of the study, all data and specimens will be transferred to the Quality Assurance Unit for storage in the test laboratory archives.

The following data will be collected and included in the final report:

- o Sections on introduction, materials and methods, conclusions and discussion
- o Results of all chemical analyses
- o Abnormal appearance or behavior
- o Individual and mean body weights initially and weekly through 13 weeks
- o Results of the ophthalmological examination

- o Individual and mean hematology, blood chemistry and urinalysis as outlined.
- o Individual and mean organ weights (heart, liver, spleen, brain, kidneys, gonads, adrenals, and thyroid/parathyroid) from all animals at termination
- o Individual necropsy observations of all animals
- o Individual histopathology of tissues as outlined.

XI. RECORDS TO BE MAINTAINED

All raw data pertaining to the conduct of this study including the final report will be retained as the regulations require in the archives at Microbiological Associates Inc., 5221 River Road, Bethesda, MD 20816. If at some time in the future any of these data are to be discarded, the sponsor will be first notified to obtain perimission.

XII. STANDARD OPERATION PROCEDURES AND PROTOCOL ALTERATION

All procedures not specified in this protocol will be performed in accordance with the Microbiological Associates Inc. Standard Operating Procedures' Manual and in compliance with the FDA's Good Laboratory Practice Regulations.

Alterations of the study may be made after the study has been initiated. In the event that the sponsor verbally authorizes a change in protocol, such change will be honored by Microbiological Associates Inc. However, it is then the responsibility of the sponsor to produce written verification of the verbal authorization, which will result in the issuance of an official protocol amendment.

XIII. REPONSIBILITIES

1. L.T. Mulligan, Ph.D: Principal Investigator/Study Director
2. Barry S. Levine, D.Sc., D.A.B.T.: Toxicologist
3. Lucas H. Brennecke, V.M.D., Ph.D.: Veterinary Pathologist
4. John Miller, DVM, ACLAM: Laboratory Animal Veterinarian
5. Harold J. Paulin, M.S., Chemist
6. Jean L. Causer, B.S.: Operations Supervisor
7. Nona S. Karten, M.A.: Quality Assurance

XIV. REFERENCES

1. Contract with Research Triangle Institute.

L.T. Mulligan, Ph.D.
Principal Investigator

Sponsor

9/17/85
Date

10/16/85
Date

ORIGINAL

PROTOCOL AMENDMENT

Date: September 24, 1985

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

1. Page 1, Part III, Section A: Scheduled Initiation Date: 3 October 1985.

   Section B: Scheduled Termination Date: 2 January 1985~~5~~6. 10/17/8

   Reason: Insufficient number of animals available from original shipment.

2. Page 3, Part IV, Section C, No. 2c: Change "Micoklene" to "Mikroklene."

   Reason: Misspelled in protocol.

3. Page 5, Part IX, Section A: Randomization: 130 and not 120 animals will be randomized.

   Reason: Incorrect in protocol.

4. Page 7, Part X, Section C, No. 2: Clinical Observations: Change "examined daily" to "examined weekly."

   Reason: Incorrect in protocol.

C. H. Mulligan
Study Director

9/26/85
Date

Dennis W. Dietz
Sponsor

10/17/85
Date

Experiment Number 5221.07

Received by RA/QA

_____

SUBCHRONIC TOXICITY OF META-CRESOL IN
SPRAGUE DAWLEY RATS

I. PURPOSE

The purpose of this study is to determine the toxic effects of m-cresol when administered by gavage for 13 weeks to Sprague Dawley rats.

II. SPONSOR AND TESTING FACILITY

A. Sponsor Name: Research Triangle Institute (RTI)

B. Sponsor Authorization Date: (See last page)

C. Protocol Approval Date: (See last page)

D. Testing Facility: Microbiological Associates Inc.,
5221 River Road
Bethesda, Maryland 20816

E. Principal Investigator (Study Director): Louis T. Mulligan, Ph.D.

F. Toxicologist: Barry S. Levine, D.Sc., D.A.B.T.

III. TEST SCHEDULE

A. Scheduled Initiation Date: 3 October 1985

B. Proposed Termination Date: 2 January 1985

THIS PAGE REVISED

Study No. 5221.07

Signature

9/26/85
Date

2. Spills and Leakage

Persons not wearing the appropriate protective equipment and clothing should be restricted from areas of spills or leaks until cleanup has been completed.

If m-cresol or solutions of it are spilled the following steps should be taken:

a. Ventilate area of spill. Eliminate all heat and ignition sources.

b. Use vermiculite, sodium bicarbonate, sand, or paper towels to absorb the oil.

c. Wash area with detergent and water or Mikroklene and water. Rinse well with water.

d. Dispose of all material in the cleanup as hazardous waste.

3. Waste and Disposal Procedures

Securely package and label, in double bags, all solid waste material and dispose of by incineration or by burial at a secured landfill. Dispose of liquid waste in liquid hazardous waste drums.

4. Preparation of Doses

Doses will be prepared in the Carcinogen Handling Room, 3rd floor, 5221 River Road, Bethesda, MD. 20816.

THIS PAGE REVISED

Study No. 5221.07

Signature

9/26/85
Date

F. Cage Change Schedule: Cages will be changed every other week.

G. Feeder Change Schedule: Once weekly.

H. Rack Changes: Every other week.

I. Air Change: At least 12-15 per hour.

J. Bedding Changes: Twice weekly.

K. It is not expected that there are contaminants in the feed or water which would have any influence on the study.

VIII. QUARANTINE

A. Animals will be maintained in quarantine for 12-16 days. The cleaning, feeding and watering procedures will be the same as described above for the test period. Animals will be group housed during the quarantine period, but individually housed at test animal selection.

B. Animals will be observed twice daily for signs of illness or death and all unusual observations will be reported to the Principal Investigator or Director of Veterinary Medicine.

C. Animals will be examined during quarantine and approved for use by the Director of Veterinary Medicine prior to being placed on test. Health Status Evaluation form RA/QA 11 will be completed by the Study Director and Director of Veterinary Medicine.

IX. RANDOMIZATION, ANIMAL NUMBERING, STATISTICAL ANALYSIS

A. Randomization: During the quarantine period, the animals will be randomized as follows: Starting with one sex of the species to be randomized, each animal will be weighed, placed into individually numbered cages and separated into one of a number of weight range groups which are based on successive intervals of 5 grams. The weight of each is recorded on paper. After all animals have been placed into their appropriate weight range groups, 130 of the animals with weights closest to the median weight will be randomized. Outliers will be used for health check evaluation and baseline evaluations or killed.

After the appropriate number of animals per sex have been selected, a random number table will be computer generated for each sex and used to allocate animals to a treatment group.

THIS PAGE REVISED

Study No. 5221.07

Signature

9/26/85

Date

B. Treatment Groups

Animals will be randomly assigned to groups with the following design:

Group	Treatment	Dose Level (mg/kg/day)	Number of Animals Male	Female
1	Negative control	---	30	30
2	m-cresol	50	30	30
3	m-cresol	150	30	30
4	m-cresol	450	30	30
5	Baseline clinical pathology	---	10	10

The ten male and ten female animals in group #5 will be sacrificed at study initiation for collection of baseline data on hematology and serum chemistry.

Ten male and ten female animals (selected prior to initation of the study) from each remaining group will be sacrificed at 45-days post-treatment initiation for clinical pathology and collection of tissues for possbile later evaluation. The following organs will be weighed: heart, liver, spleen, brain, kidneys (individually), gonads (individually), adrenals and thyroid/parathyroid.

C. Clinical Observations

1. Animals will be observed twice daily (once in the morning and once in afternoon) seven days per week for moribundity/mortality. Moribund animals unlikely to survive until the next observation will be sacrificed and necropsied immediately.

2. Each animal will be examined weekly for clinical signs of toxicity.

3. Signs of toxicity noted at other times will be recorded on room schedules and transferred to the observation sheet if they persist.

4. Animal Weights - Individual animal weights for test and control groups will be recorded at initiation (day 1) and weekly thereafter.

THIS PAGE REVISED

Study No. 5221.07

Signature

9/26/85
Date

ORIGINAL

PROTOCOL AMENDMENT

Date: October 16, 1985

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

5. Page 7, Part X, Section B: Treatment Groups: Delete the following sentence. "The following organs will be weighed: heart, liver, spleen, brain, kidneys (individually), gonads (individually), adrenals and thyroid/ parathyroid.

   Reason: Per discussion with the Sponsor, organ weights are not necessary at the 45-day interim kill.

6. Page 8, Part X, Section E, No. 1: Add prothrombin time (PT) and activated partial thromboplastin time (APTT), and delete platelet count.

   Reason: PT and APTT are better estimates of clotting potential than platelet count.

Study Director — Date: 10/31/85

Sponsor — Date: 1/6/86

THIS PAGE REVISED

Study No. 5221.07

Signature

10/17/85

Date

B. Treatment Groups

Animals will be randomly assigned to groups with the following design:

Group	Treatment	Dose Level (mg/kg/day)	Number of Animals Male	Female
1	Negative control	---	30	30
2	m-cresol	50	30	30
3	m-cresol	150	30	30
4	m-cresol	450	30	30
5	Baseline clinical pathology	---	10	10

The ten male and ten female animals in group #5 will be sacrificed at study initiation for collection of baseline data on hematology and serum chemistry.

Ten male and ten female animals (selected prior to initation of the study) from each remaining group will be sacrificed at 45-days post-treatment initiation for clinical pathology and collection of tissues for possbile later evaluation.

C. Clinical Observations

1. Animals will be observed twice daily (once in the morning and once in afternoon) seven days per week for moribundity/mortality. Moribund animals unlikely to survive until the next observation will be sacrificed and necropsied immediately.

2. Each animal will be examined weekly for clinical signs of toxicity.

3. Signs of toxicity noted at other times will be recorded on room schedules and transferred to the observation sheet if they persist.

4. Animal Weights - Individual animal weights for test and control groups will be recorded at initiation (day 1) and weekly thereafter.

THIS PAGE REVISED

Study No: 5221.07

Signature

10/17/85
Date

5. Individual feed consumptions will be derived by calculating the difference in weight of each feed jar plus contents at the beginning and end of the feeding interval and dividing by the number of days involved.

D. Ophthalmoscopy

Funduscopic (indirect opthalmoscopy) and biomicroscopic (slitlamp) examinations will be performed pretreatment and at termination on all animals designated to be terminated at 13-weeks.

E. Clinical Pathology

1. The following hematology (all animals fasted overnight) will be performed on the 20 animals designated for baseline values (day 1), on 10 males and 10 females/group designated to be sacrificed at 45 days and on 10 males and 10 females/group designated to be sacrificed at termination of the study:

   Hemoglobin
   Hematocrit
   Erythrocyte count
   Total and differential leukocyte count
   Prothrombin time (PT)
   Activated partial thromboplastin time (APTT)
   Reticulocyte count

2. The following clinical chemistry will be determined on serum samples per the hematology schedule:

   Sodium
   Chloride
   Potassium
   Calcium
   Phosphorus
   Blood creatinine
   CO_2
   SGPT
   SGOT
   Glucose
   BUN
   Direct and total bilirubin
   SAP
   Total cholesterol
   Albumin
   Globulin
   Total protein

ORIGINAL

PROTOCOL AMENDMENT

Date: November 26, 1985

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

7. Page 4 5, Part VII, Section E, Feed: Substitute "Purina standard lab chow" with "Purina Rodent Chow No. 5001."

   Reason: Omitted in protocol.

8. Page 5, Part VII: Add the following: Section L. Room Number: Room #369

   Reason: Not included in protocol.

9. Page 5, Part VIII, Quarantine, Section B: Unusual observations during the quarantine period can also be reported to the Study Toxicologist."

   Reason: Omitted in protocol.

10. Page 9, Part X, Section F, No.2: If necessary, animals which die on test are stored in a refrigerator until necropsy but no longer than 16 hours.

    Reason: Incorrectly stated as 24 hours in protocol.

Study Director — Date 11/26/85

Sponsor — Date 1/6/86

THIS PAGE REVISED

Study No. 5221.07

Signature

8/28/86
Date

5. Analysis of Solutions

The stability of the test solution will be determined after storage for the same period and under the same condition to be used in the study.

The accuracy of formulation will be checked by analysis of samples taken from solutions prepared for administration during weeks 1, 2, 4, 8 and 13 of treatment.

V. TEST SYSTEMS

A. Animals

1. Strain/Species: Sprague Dawley Rats

2. Number/Sex: 130 males/130 females

3. Age: 5-6 weeks old at start of dosing

4. Supplier: Charles River Breeding Laboratories
Lakeview, NY

5. Justification of Test Animal: The test animal (Sprague Dawley Rats) was specified by the sponsor and is a routine laboratory animal utilized in small rodent subchronic toxicology studies.

VI. HOUSING

The animals will be individually housed in polycarbonate shoe boxes marked with a test article code and held on stainless steel racks equipped with an automatic watering system. Heat treated hardwood chips will be used for cage bedding. Racks will be periodically repositioned within the room to minimize any effect of variation in light intensity, temperature, etc.

VII. ANIMAL ENVIRONMENT

A. Temperature: $72^{\circ} \pm 3^{\circ}F$

B. Humidity: 50 ± 15%

C. Light Cycle: 12 hour cycle

D. Water: Washington Suburban Sanitary Commission Potomac Plant; untreated; ad libitum.

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MICROBIOLOGICAL ASSOCIATES INC

THIS PAGE REVISED

Study No. 5221.07

Signature

11/26/85
Date

E. Feed: Purina Rodent Chow No. 5001.

F. Cage Change Schedule: Cages will be changed every other week.

G. Feeder Change Schedule: Once weekly.

H. Rack Changes: Every other week.

I. Air Change: At least 12-15 per hour.

J. Bedding Changes: Twice weekly.

K. It is not expected that there are contaminants in the feed or water which would have any influence on the study.

L. Room Number: Room #369.

VIII. QUARANTINE

A. Animals will be maintained in quarantine for 12-16 days. The cleaning, feeding and watering procedures will be the same as described above for the test period. Animals will be group housed during the quarantine period, but individually housed at test animal selection.

B. Animals will be observed twice daily for signs of illness or death and all unusual observations will be reported to the Principal Investigator, Study Toxicologist or Director of Veterinary Medicine.

C. Animals will be examined during quarantine and approved for use by the Director of Veterinary Medicine prior to being placed on test. Health Status Evaluation form RA/QA 11 will be completed by the Study Director and Director of Veterinary Medicine.

IX. RANDOMIZATION, ANIMAL NUMBERING, STATISTICAL ANALYSIS

A. Randomization: During the quarantine period, the animals will be randomized as follows: Starting with one sex of the species to be randomized, each animal will be weighed, placed into individually numbered cages and separated into one of a number of weight range groups which are based on successive intervals of 5 grams. The weight of each is recorded on paper. After all animals have been placed into their appropriate weight range groups, 130 of the animals with weights closest to the median weight will be randomized. Outliers will be used for health check evaluation and baseline evaluations or killed.

THIS PAGE REVISED

Study No. 5221.07

Signature 11/26/85 Date

3. Urinalysis will be determined on day 45 and at termination as outlined for hematology. The following parameters will be measured:

   Specific gravity
   pH
   Protein
   Glucose
   Ketones
   Bilirubin
   Urobilinogen
   Microscopic examination

F. Necropsy and Histopathlogy:

1. A complete, detailed necropsy will be performed on all animals.

2. Animals that die or are sacrificed prior to the scheduled sacrifice will be necropsied as soon as possible after death. Animals that can not be necropsied immediately will be stored in a refrigerator until necropsy but no longer than 16 hours.

3. From all animals on study, except those designated for baseline clinical chemistry the following tissues will be collected and preserved in buffered formalin.

   All gross lesions
   Brain (3 levels)
   Eye
   Pituitary
   Salivary gland
   Heart
   Thymus
   Thyroid (with parathyroid)
   Lungs (with mainstem bronchi)
   Trachea
   Esophagus
   Stomach
   Small and large intestine
   Adrenals
   Pancreas
   Liver
   Kidneys
   Urinary bladder
   Testes
   Prostate
   Ovaries
   Corpus and cervix uteri
   Spleen
   Bone (with marrow)
   Skeletal muscle
   Lymph node
   Spinal cord
   Mammary gland
   Aorta
   Sciatic nerve

PROTOCOL AMENDMENT

Date: August 21, 1986

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

11. The interim sacrifice was conducted over a two-day period (test days 46 and 47), and the terminal sacrifice was conducted over a three-day period (test days 92, 93 and 94).

    Reason: The large number of animals in the study did not allow necropsies and clinical pathology evaluations to be conducted in one day at either the interim or terminal sacrifice.

12. Page 6, Part X, Section A, No. 3:

    "for a total period of 13 weeks" should read "for a period of thirteen weeks or until sacrifice.

    Reason: Required due to staggered sacrifice schedule.

13. Page 8, Part X, Section D:

    Delete "and biomicroscopic (slitlamp)".

    Reason: Incorrect in protocol; it was never intended to be done by the ophthalmologist.

Study Director — 8/28/86 Date

Sponsor Approval — 9/12/86 Date

MICROBIOLOGICAL

PROTOCOL AMENDMENT

Date: August 27, 1986

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

14. Page 4, Part VII, Section E, Feed: Delete entire section.

Reason: Section E was listed twice, on bottom of page 4 and at the top of page 5. The listing on page 5 included a better description of the feed.

Study Director — Date 8/28/86

Sponsor Approval — Date 11/12/86

Note: Listing on top of page 5 occurred on a second & a second page 5. 11/12/86

MICROBIOLOGICAL ASSOCIATES INC

PROTOCOL AMENDMENT

Date: September 5, 1986

Study No.: 5221.07

Title: Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats

Amendment:

15. Alterations in the measurements of the following clinical pathology parameters occurred as follows.

Event	Reason
Calcium was not measured at pretest or at the interim sacrifice.	Technical error.
Urinary hemoglobin was evaluated.	The "dipsticks" use for urinalyses contained hemoglobin. The results were included in the final report.

Study Director — 9/5/86 Date

Sponsor Approval — 11/12/86 Date

MICROBIOLOGICAL ASSOCIATES INC

QUALITY ASSURANCE STATEMENT

Study Title: SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

Study Number: 5221.07

Study Director: L. Thomas Mulligan, Ph.D.

Initiation Date: October 3, 1985

Review Completed Date: September 23, 1986

This study has been divided into a series of phases. Using a random sampling approach, Quality Assurance monitors each of these phases over a series of studies. Procedures, documentation, equipment, etc., are examined in order to assure that the study is performed in accordance with the U.S. FDA Good Laboratory Practice regulations (21CFR58), the U.S. EPA GLPs (40CFR792 and 40CFR160), and the OECD guidelines and to assure that the study is conducted according to the protocol.

The following are the inspection dates, phases inspected, and report dates of QA inspections of this study.

DATES/PHASES

:PECT ON 85/09/20 - 85/09/20,TO STUDY DIR 85/09/20,TO MGMT 85/09/20

PHASES: PROTOCOL REVIEW

INSPECT ON 85/12/26 - 85/12/26,TO STUDY DIR 85/12/26,TO MGMT 85/12/30

PHASES: DOSE PREPARATION

INSPECT ON 86/04/10 - 86/04/14,TO STUDY DIR 86/04/14,TO MGMT 86/09/23

PHASES: DATA REVIEW

INSPECT ON 86/05/13 - 86/05/13,TO STUDY DIR 86/05/13,TO MGMT 86/05/13

PHASES: PATHOLOGY NARRATIVE REVIEW

INSPECT ON 86/08/28 - 86/09/02,TO STUDY DIR 86/09/02,TO MGMT 86/09/23

PHASES: FINAL REPORT

This report describes the methods and procedures used in the study and the reported results accurately reflect the raw data of the study.

Joseph Appelbaum 9/23/86

Quality Assurance
RA/QA Department

Date

APPENDIX A

TWO-WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

Test Day	0 mg/kg/day	5 mg/kg/day	10 mg/kg/day	25 mg/kg/day	50 mg/kg/day	100 mg/kg/day
DAY 1	153.0 ± 8.2(10)	157.4 ± 10.4(10)	161.7 ± 11.2(10)	154.1 ± 13.3(10)	157.1 ± 12.1(10)	158.7 ± 13.6(10)
DAY 8	207.2 ± 10.0(10)	213.4 ± 11.2(10)	222.7 ± 16.3(10)	210.7 ± 20.9(10)	216.7 ± 17.0(10)	211.3 ± 23.0(10)
DAY 15	255.0 ± 15.4(10)	258.9 ± 15.5(10)	272.0 ± 28.6(10)	255.8 ± 23.3(10)	266.1 ± 21.3(10)	256.7 ± 23.9(10)

Results presented as mean ± standard deviation (N)

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

Test Day	0 mg/kg/day	5 mg/kg/day	10 mg/kg/day	25 mg/kg/day	50 mg/kg/day	100 mg/kg/day
DAY 1	123.6 ± 10.0(10)	126.6 ± 7.4(10)	120.8 ± 5.7(10)	120.0 ± 4.5(10)	125.1 ± 8.0(10)	129.7 ± 8.6(10)
DAY 8	153.0 ± 26.3(10)	157.7 ± 31.1(10)	156.9 ± 18.7(10)	157.2 ± 21.4(10)	169.8 ± 10.8(10)	168.0 ± 11.9(10)
DAY 15	181.0 ± 21.3(10)	184.4 ± 31.6(10)	173.8 ± 25.2(10)	177.5 ± 27.1(10)	190.8 ± 16.3(10)	192.3 ± 13.7(10)

Results presented as mean ± standard deviation (N)

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

Test Week	0 mg/kg/day	5 mg/kg/day	10 mg/kg/day	25 mg/kg/day	50 mg/kg/day	100 mg/kg/day
WEEK 1	19.9 ± 1.0(10)	20.7 ± 1.1(10)	20.1 ± 4.7(10)	21.5 ± 3.1(10)	21.0 ± 1.7(10)	19.1 ± 3.0(10)
WEEK 2	25.3 ± 6.9(10)	25.3 ± 2.9(10)	23.0 ± 8.7(10)	22.9 ± 2.7(10)	23.7 ± 1.7(10)	23.4 ± 2.8(10)

Results presented as mean ± standard deviation (N)

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

Test Week	0 mg/kg/day	5 mg/kg/day	10 mg/kg/day	25 mg/kg/day	50 mg/kg/day	100 mg/kg/day
WEEK 1	15.1 ± 4.9(10)	17.0 ± 5.1(10)	18.1 ± 1.0(9)	16.7 ± 3.6(10)	19.8 ± 4.5(10)	18.2 ± 1.7(10)
WEEK 2	18.2 ± 1.1(10)	19.9 ± 4.5(10)	17.5 ± 3.0(10)	12.0 ± 8.3(10)*	15.1 ± 5.1(10)	13.5 ± 5.8(10)

* -- Statistically significant difference from control group
using ANOVA and Dunnett's T-Test (P<=0.05).

Results presented as mean ± standard deviation (N)

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
0 mg/kg/day	2281	152.4	210.7	267.1
	2282	163.6	217.9	269.8
	2283	160.8	214.5	274.6
	2284	152.8	207.3	256.8
	2285	156.9	215.8	266.5
	2286	142.3	194.0	253.2
	2287	149.6	208.1	236.9
	2288	154.5	203.4	242.7
	2289	137.5	186.6	227.4
	2290	159.9	213.4	254.6
5 mg/kg/day	2291	166.8	225.0	277.4
	2292	172.6	229.3	276.3
	2293	157.0	211.6	260.6
	2294	155.6	209.9	252.9
	2295	152.6	207.5	236.8
	2296	157.6	224.4	280.8
	2297	153.5	207.1	253.3
	2298	156.2	211.7	258.9
	2299	134.7	190.6	237.5
	2300	167.3	216.7	254.2
10 mg/kg/day	2301	145.5	200.2	254.1
	2302	150.9	210.8	226.9
	2303	171.8	235.7	288.8
	2304	165.2	221.6	264.2
	2305	144.3	194.6	226.3
	2306	177.1	238.6	299.6
	2307	162.7	231.9	293.4
	2308	162.4	219.2	271.5
	2309	167.7	239.3	296.4
	2310	169.9	235.5	299.2
25 mg/kg/day	2311	152.7	205.5	248.0
	2312	135.9	183.3	230.0
	2313	162.0	221.1	259.8
	2314	166.7	229.9	279.8
	2315	142.9	188.4	239.8
	2316	162.7	221.8	266.5
	2317	176.0	243.9	299.3
	2318	135.5	182.0	221.3
	2319	152.3	221.9	263.5
	2320	154.2	209.6	249.9

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TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
50 mg/kg/day	2321	158.4	215.9	272.9
	2322	146.3	203.0	253.6
	2323	164.4	224.4	280.4
	2324	145.0	198.1	236.4
	2325	166.6	230.2	269.7
	2326	136.6	195.5	248.9
	2327	159.8	219.3	285.5
	2328	159.0	220.2	261.5
	2329	178.9	252.4	306.9
	2330	155.9	208.1	245.6
100 mg/kg/day	2331	158.4	211.0	261.3
	2332	161.4	209.5	265.3
	2333	160.3	208.0	238.4
	2334	154.9	193.8	246.3
	2335	158.2	205.6	246.4
	2336	179.9	248.9	303.5
	2337	146.4	205.9	247.1
	2338	135.6	194.7	244.3
	2339	180.0	254.0	289.3
	2340	152.0	181.8	225.3

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
0 mg/kg/day	2341	144.3	166.3	202.0
	2342	118.0	161.4	189.9
	2343	116.8	123.4	143.8
	2344	129.2	181.3	199.2
	2345	113.5	102.8*	152.8
	2346	130.9	175.5	185.2
	2347	130.4	171.0	201.6
	2348	111.6	159.5	189.6
	2349	122.6	164.1	187.1
	2350	119.0	125.0	158.4
5 mg/kg/day	2351	127.8	175.2	203.7
	2352	120.7	158.8	187.5
	2353	138.1	185.8	213.2
	2354	124.8	170.1	202.2
	2355	119.5	91.7*	106.3
	2356	118.8	172.4	189.2
	2357	122.1	155.6	177.6
	2358	136.5	188.5	215.0
	2359	122.1	164.5	183.6
	2360	135.4	114.6*	166.0
10 mg/kg/day	2361	113.8	154.0	186.6
	2362	117.0	159.2	175.6
	2363	115.8	166.1	190.3
	2364	128.4	169.2	193.2
	2365	124.1	159.8	142.3
	2366	119.0	165.7	195.3
	2367	131.1	169.8	180.4
	2368	118.0	154.0	172.5
	2369	123.8	164.7	184.8
	2370	117.4	106.2*	116.6
25 mg/kg/day	2371	112.4	166.9	198.5
	2372	121.2	155.7	171.9
	2373	115.4	151.5	173.9
	2374	125.0	160.1	190.7
	2375	124.5	100.8*	104.9
	2376	120.3	178.8	184.0
	2377	121.7	164.6	191.4
	2378	115.0	156.0	174.6
	2379	125.4	165.4	192.3
	2380	118.8	172.0	192.5

* Signs of dehydration noted.

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
50 mg/kg/day	2381	129.2	177.2	201.5
	2382	121.2	167.3	191.8
	2383	116.5	164.3	177.5
	2384	129.9	170.0	197.2
	2385	116.2	146.4	159.0
	2386	118.1	161.0	171.0
	2387	137.7	172.6	196.3
	2388	136.5	176.6	207.8
	2389	125.9	182.7	198.7
	2390	119.6	180.3	207.3
100 mg/kg/day	2391	118.8	151.7	175.9
	2392	134.6	172.7	195.8
	2393	137.7	171.3	193.8
	2394	131.0	162.7	193.4
	2395	122.5	172.0	207.0
	2396	131.6	185.4	209.9
	2397	130.5	161.5	185.0
	2398	135.3	175.6	199.7
	2399	141.0	179.0	197.3
	2400	114.2	147.8	165.2

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TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NUMBER	new feeder 1	old feeder 1	new feeder 2	old feeder 2
0 mg/kg/day	2281	660.5	518.4	518.4	355.8
	2282	649.5	516.2	516.2	362.8
	2283	692.1	549.3	549.3	379.4
	2284	705.0	571.4	571.4	425.0
	2285	667.9	520.0	520.1	343.1
	2286	655.3	527.8	527.8	249.9
	2287	653.1	509.4	551.3	417.5
	2288	605.0	458.0	532.0	367.0
	2289	647.8	516.2	552.2	417.2
	2290	641.9	497.5	559.8	309.2
5 mg/kg/day	2291	623.8	485.8	527.9	340.9
	2292	699.1	551.2	551.2	362.8
	2293	671.5	523.7	523.7	322.0
	2294	660.4	509.0	527.8	365.0
	2295	612.2	464.6	538.6	363.0
	2296	638.4	477.1	531.5	319.0
	2297	718.6	583.1	583.1	408.0
	2298	706.4	567.3	567.3	403.0
	2299	616.7	481.4	522.8	375.9
	2300	698.7	554.1	554.1	396.8
10 mg/kg/day	2301	677.8	535.6	535.6	362.0
	2302	656.1	514.6	514.6	340.9
	2303	672.8	513.9	513.9	363.3
	2304	597.4	547.8	547.8	364.3
	2305	655.0	516.3	516.3	322.8
	2306	680.5	525.8	525.8	417.3
	2307	680.4	515.9	515.9	402.3
	2308	678.9	528.3	528.3	368.9
	2309	558.5	409.3	541.8	477.0
	2310	656.4	496.1	541.8	249.8
25 mg/kg/day	2311	729.4	576.6	576.6	410.7
	2312	599.7	480.0	538.0	404.3
	2313	595.2	452.1	521.0	366.3
	2314	513.3	351.7	572.9	394.6
	2315	602.9	472.0	527.3	373.4
	2316	623.2	475.5	565.6	363.9
	2317	595.5	438.0	547.7	403.6
	2318	570.4	438.7	528.8	373.2
	2319	614.3	469.4	543.9	381.2
	2320	575.8	433.2	535.6	382.4

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TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NUMBER	new feeder 1	old feeder 1	new feeder 2	old feeder 2
50 mg/kg/day	2321	635.4	490.6	535.4	369.9
	2322	630.8	491.4	546.0	380.0
	2323	548.1	399.1	545.6	378.3
	2324	632.8	506.5	533.4	391.0
	2325	665.1	504.1	539.9	383.0
	2326	604.4	467.4	531.1	372.9
	2327	687.9	538.1	538.1	349.0
	2328	621.8	469.4	533.1	365.8
	2329	645.3	479.6	519.3	345.0
	2330	610.4	463.3	532.7	362.0
100 mg/kg/day	2331	561.5	427.8	531.5	371.8
	2332	626.6	506.8	533.9	367.9
	2333	554.4	420.6	529.1	384.4
	2334	559.6	440.1	530.7	359.6
	2335	656.8	528.1	528.1	386.3
	2336	656.9	496.0	530.1	344.9
	2337	551.2	412.6	533.2	365.8
	2338	633.7	503.6	532.4	374.9
	2339	702.6	529.3	529.3	326.3
	2340	704.7	604.7	604.7	462.4

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NUMBER	WEEK 1	WEEK 2
0 mg/kg/day	2281	20.3	23.2
	2282	19.0	21.9
	2283	20.4	24.3
	2284	19.1	20.9
	2285	21.1	25.3
	2286	18.2	39.7
	2287	20.5	19.1
	2288	21.0	23.6
	2289	18.8	19.3
	2290	20.6	35.8
5 mg/kg/day	2291	19.7	26.7
	2292	21.1	26.9
	2293	21.1	28.8
	2294	21.6	23.3
	2295	21.1	25.1
	2296	23.0	30.4
	2297	19.4	25.0
	2298	19.9	23.5
	2299	19.3	21.0
	2300	20.7	22.5
10 mg/kg/day	2301	20.3	24.8
	2302	20.2	24.8
	2303	22.7	21.5
	2304	7.1	26.2
	2305	19.8	27.6
	2306	22.1	15.5
	2307	23.5	16.2
	2308	21.5	22.8
	2309	21.3	9.3
	2310	22.9	41.7
25 mg/kg/day	2311	21.8	23.7
	2312	17.1	19.1
	2313	20.4	22.1
	2314	23.1	25.5
	2315	18.7	22.0
	2316	21.1	28.8
	2317	22.5	20.6
	2318	18.8	22.2
	2319	23.7	23.2
	2320	28.2	21.9

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NUMBER	WEEK 1	WEEK 2
50 mg/kg/day	2321	20.3	23.6
	2322	19.9	23.7
	2323	21.3	23.9
	2324	18.0	20.3
	2325	23.0	22.4
	2326	19.6	22.6
	2327	21.4	27.0
	2328	21.8	23.9
	2329	23.7	24.9
	2330	21.0	24.4
100 mg/kg/day	2331	19.1	22.8
	2332	17.1	23.7
	2333	19.1	20.7
	2334	17.1	24.4
	2335	18.4	20.3
	2336	23.0	26.5
	2337	19.8	23.9
	2338	18.6	22.5
	2339	24.8	29.0
	2340	14.3	20.3

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS

FEMALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NUMBER	new feeder 1	old feeder 1	new feeder 2	old feeder 2
0 mg/kg/day	2341	589.3	449.7	548.7	410.1
	2342	618.5	501.1	566.0	442.3
	2343	591.3	527.7	527.6	397.8
	2344	644.4	505.9	505.9	377.4
	2345	616.3	571.8	571.8	447.2
	2346	530.5	403.0	538.3	419.1
	2347	642.9	516.9	516.9	386.4
	2348	606.0	486.8	562.2	425.8
	2349	638.9	522.4	563.4	449.0
	2350	555.7	490.6	537.0	411.3
5 mg/kg/day	2351	543.9	401.4	558.8	413.9
	2352	586.9	462.0	546.7	421.6
	2353	554.8	410.3	558.9	417.4
	2354	594.5	461.3	541.6	325.0
	2355	593.4	548.2	548.2	453.9
	2356	604.8	466.0	550.5	413.4
	2357	567.3	440.5	540.0	413.4
	2358	507.7	357.7	544.5	391.1
	2359	661.0	538.8	538.8	406.0
	2360	601.0	540.9	540.9	422.7
10 mg/kg/day	2361	628.1	492.7	535.4	402.9
	2362	628.9	508.2	559.4	453.7
	2363	602.3	472.7	541.3	407.1
	2364	605.2	479.9	532.2	395.5
	2365	600.4	477.1	513.6	396.2
	2366	594.5	453.6	513.2	421.2
	2367	630.2	503.6	503.6	377.6
	2368	624.6	506.4	506.4	383.4
	2369	673.9	553.0	553.0	391.9
	2370	485.3	535.9	535.9	440.6
25 mg/kg/day	2371	566.9	433.3	520.3	513.9
	2372	600.4	490.9	583.7	482.5
	2373	539.9	418.0	557.1	438.1
	2374	682.2	566.6	566.6	437.5
	2375	646.6	594.9	594.9	509.4
	2376	657.2	520.7	520.7	516.6
	2377	692.0	577.8	571.8	451.9
	2378	639.5	522.3	522.3	411.8
	2379	656.7	528.7	528.7	365.8
	2380	584.9	444.3	538.4	533.5

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FEMALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NUMBER	new feeder 1	old feeder 1	new feeder 2	old feeder 2
50 mg/kg/day	2381	668.1	538.9	538.9	442.0
	2382	591.4	435.1	533.7	410.8
	2383	592.6	467.8	526.8	409.3
	2384	622.0	496.3	547.2	420.1
	2385	661.6	540.3	540.3	497.9
	2386	661.7	542.9	442.9	403.5
	2387	653.2	522.6	522.6	392.3
	2388	603.4	465.9	518.6	393.4
	2389	690.7	468.1	526.3	410.0
	2390	653.8	533.2	533.2	393.4
100 mg/kg/day	2391	654.0	550.5	550.5	450.3
	2392	654.9	512.5	512.5	398.3
	2393	669.0	549.4	549.4	437.8
	2394	686.8	561.4	561.4	449.9
	2395	645.5	506.8	506.8	455.7
	2396	674.3	536.6	536.6	408.6
	2397	594.4	477.4	502.8	485.8
	2398	619.0	485.3	520.4	386.7
	2399	608.8	481.6	529.1	479.9
	2400	650.5	523.7	523.7	396.1

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NUMBER	WEEK 1	WEEK 2
0 mg/kg/day	2341	19.9	19.8
	2342	16.8	17.7
	2343	9.1	18.5
	2344	19.8	18.4
	2345	6.4	17.8
	2346	18.2	17.0
	2347	18.0	18.6
	2348	17.0	19.5
	2349	16.6	16.3
	2350	9.3	18.0
5 mg/kg/day	2351	20.4	20.7
	2352	17.8	17.9
	2353	20.6	20.2
	2354	19.0	30.9
	2355	6.5	13.5
	2356	19.8	19.6
	2357	18.1	18.1
	2358	21.4	21.9
	2359	17.5	19.0
	2360	8.6	16.9
10 mg/kg/day	2361	19.3	18.9
	2362	17.2	15.1
	2363	18.5	19.2
	2364	17.9	19.5
	2365	17.6	16.8
	2366	20.1	13.1
	2367	18.1	18.0
	2368	16.9	17.6
	2369	17.3	23.0
	2370	*	13.6
25 mg/kg/day	2371	19.1	0.9
	2372	15.6	14.5
	2373	17.4	17.0
	2374	16.5	18.4
	2375	7.4	12.2
	2376	19.5	0.6
	2377	16.3	17.1
	2378	16.7	15.8
	2379	18.3	23.3
	2380	20.1	0.7

* Invalid weight; excluded from mean.

TWO WEEK RANGE-FINDING/EXPLORATORY STUDY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NUMBER	WEEK 1	WEEK 2
50 mg/kg/day	2381	18.5	13.8
	2382	22.3	17.6
	2383	17.8	16.8
	2384	18.0	18.2
	2385	17.3	6.1
	2386	17.0	5.6
	2387	18.7	18.6
	2388	19.6	17.9
	2389	31.8	16.6
	2390	17.2	20.0
100 mg/kg/day	2391	14.8	14.3
	2392	20.3	16.3
	2393	17.1	15.9
	2394	17.9	15.9
	2395	19.8	7.3
	2396	19.7	18.3
	2397	16.7	2.4
	2398	19.1	19.1
	2399	18.2	7.0
	2400	18.1	18.2

APPENDIX B

ANALYTICAL CHEMISTRY METHODOLOGY

2610006

AMERICAN BIOGENICS CORPORATION PAGE 1 OF 1

DATE 3/20/86

ANALYTICAL REPORT DEPARTMENT NO. 440

PROJECT NO.: 440-2610 TEST ARTICLE NO.: ——

SUBJECT: Conditions - Cruse

The Waters HPLC was used
Column was a Partsil 5 RAC2
flow was 2.0 mls/min
Wavelength 221 nm
AUFS 0.05
Mobile phase: 1% Isopropyl Alcohol/
99% Hexane

On 3/21/86 the Perkin Elmer HPLC was used.
Column was a 25cm IBM Silica Serial# 200257
Flow rate: 2.0 mls/min
Wavelength: 221 nm
10ul injection loop
AUFS 0.05
Mobile phase: 1% Isopropyl Alcohol
99% Hexane

Samples were diluted in Hexane

TECHNICIAN J. L Cruse DATE 3/25/86

REVIEWED BY _____ DATE _____

90

ERCO
205 Alewife Brook Parkway, Cambridge, Massachusetts 02138 (617) 661-3111 Telex 950-256-7697 (MCI)

A DIVISION OF
ENSECO
INCORPORATED

June 2, 1986

Dr. Dennis D. Dietz
Research Triangle Institute
P.O. Box 12194
Research Triangle Park, NC 27709

Dear Dennis:

Enclosed please find a description of the method we use for analysis of compounds by direct aqueous injection as it pertains to work performed under EPA WA-35.

As you can see, the analysis procedure is generally the same for all compounds differing only in the case of the cresols which use an alternate column and temperature program.

If you have any questions regarding the method or other specifics, please do not hesitate to contact me.

Sincerely,

W. Henry Camp

W. Henry Camp
Analytical Chemist
VOA Laboratory

WHC:mk
Encl.
cc: Dr. Barry Levine (Microbiological Associates)
Dr. Dale Mayhew (American Biogenics Corp.)
Dr. Crosby Thompkins (Toxicity Research Laboratories)

Regional and international offices
Suite 1[illegible] Statesman Insurance Building, [illegible] Houston, Texas 77006 (713) 523-[illegible]

1. Application.

This method covers the determination of compounds by direct aqueous injection. The following compounds can be detected using column A and temperature program A: acetone, methyl isobutyl ketone (MIBK), isobutyl alcohol, methyl alcohol, ethyl acetate, n-butyl alcohol and crotonaldehyde. The following compounds can be detected using system B and temperature program B: p-, m-, and o-cresol.

2. Summary.

A portion of a sample is injected directly onto a gas chromatograph capillary column. The gas chromatograph is temperature programmed to separate the constituents which are then detected by a flame ionization detector.

3. Instrumentation and Apparatus.

3.1. Gas chromatograph -- Hewlett-Packard 5680 with auto-sampler and integrator. Oven temperature profile A programmed as hold 8 min at 50°C, then to 220°C at 8°C/min and hold 5 min. Program B: hold 5 min at 50°C then to 250°C at 10°C/min and hold 15 min.

3.2. Column A -- 60 m x 0.32 mm ID, 0.25 µm film SUPEL-COWAX 10 fused silica capillary column. Set linear velocity to 25 cm/sec, He, at 100°C (flow rate = 1.2 ml/min).

Column B -- 30 m x 0.318 mm ID, 0.25 µm film SE - 54 fused silica capillary column. Set linear velocity

to 25 cm/sec, He, at 100°C (flow rate = 1.2 ml/min).

3.3. Injector -- configure for sample splitting and adjust ratio to 100:1. Set heater temperature to 200°C.

3.4. Detector -- Hewlett-Packard flame ionization detector. Hydrogen flow set at 40 ml/min. Air flow set at 400 ml/min. Set sensitivity at 2÷2 and adjust if necessary. Set heater temperature to 250°C.

3.5. Syringes -- 1 ml, 100 µl, and 10 µl gas-tight glass for diluting and for sample transfer.

4. Reagents.

4.1. Reagent Water -- prepare with Corning Mega-Pure distillation system and filter through activated charcoal prior to use.

4.2. Methylene Chloride -- J. T. Baker "Resi-analyzed" or equivalent.

4.3. Standard Solution -- prepare by adding pure material to water. Pure material should be assayed reference liquid such as Chem Serve reagents. If not immediately available, supplied compound may be used.

4.3.1. Place about 9 ml of solvent into a stoppered 10 ml flask. Weigh the flask. Add one or two drops of pure material to the flask and reweigh. Dilute to

volume, mix well, and store in a teflon-sealed screw-cap vial at 4°C.

5. Calibration.

5.1. External Standard Calibration -- Prepare working standards to bracket the concentration range, of the samples of interest. Working standards are prepared by diluting the standard solution with water or methylene chloride if the samples are corn oil based. Analyze according to procedure section then calculate response factors using this equation:

$$RF = \frac{\text{concentration of standard}}{\text{area of standard}}$$

If the response factors are constant over the working range (10% Relative Percent Difference), an average response factor may be used for calculations.

6. Quality Control.

6.1. Interference -- a water blank must be run with each test to check for system contamination. A blank should also be run between samples of high concentration.

6.2 Purity -- reagents used in the procedure should also be analyzed with each test to determine their purity.

6.3 Spikes -- sample matrixes should be spiked with the compounds of interest and a percent recovery calculated to access matrix effects and method accuracy.

6.4. Duplicates -- Some samples should be analyzed in duplicate and a relative percent difference calculated to access method precision.

7. Procedure.

7.1. Calibration as in section 5.

7.2. Sample Preparation -- allow samples to come to room temperature before handling. Dilute if necessary to bring concentrations within system working range by adding portion of sample to water or to methylene chloride if corn oil based.

7.3. Analysis -- introduce sample by direct injection of 1 - 2 µl into the GC injection port and begin the temperature program.

7.4 Identification -- as the compounds are analyzed individually, there should be no coelution interferences. Retention time should still be checked against the standard.

8. Calculation.

8.1. Concentration -- calculate using peak area and RF determined in section 5.1.

8.2. Dilution -- take into account any dilution performed on the sample or the standard.

8.3 Report results in mg/ml without correction for recovery percentage.

APPENDIX C

CLINICAL CHEMISTRY METHODOLOGY

HEMATOLOGY

Hemoglobin

Cyanmethemoglobin method
Baker Cell Counter
Hematology Series 7000

Hematocrit

Indirect method; calculated value based on erythrocyte count and mean corpuscular volume
Baker Cell Counter
Hematology Series 7000

Erythrocyte Count

Electronic Counting Procedure
Baker Cell Counter
Hematology Series 7000

Mean Corpuscular Volume (MCV)

Electronic Sizing Procedure
Baker Cell Counter
Hematology Series 7000

Mean Corpuscular Hemoglobin (MCH)

Indirect method; calculated value based on erythrocyte count and hemoglobin
Baker Cell Counter
Hematology Series 7000

Mean Corpuscular Hemoglobin Concentration (MCHC)

Indirect method; calculated value based on hematocrit and hemoglobin
Baker Cell Counter
Hematology Series 7000

Leukocyte Count

Electronic Counting Procedure
Baker Cell Counter
Hematology Series 7000

Leukocyte Differential Count

Neutrophils - Immature (bands)
Neutrophils - Mature (segs)
Monocytes
Basophils
Lymphocytes
Eosinophils
Wright stain procedure
Schalm, O.W., Jain, N.C. and Carroll, E.J.
Veterinary Hematology, Color Plates Chapter,
3rd Edition, Lee and Febiger, 1975.

Reticulocyte Count

New methylene blue staining procedure
Brecher, G. Am. J. Clin. Path. 19,
895, 1949.

Prothrombin Time (PT)

Rate of change in absorbance due to clot formation
Coag-A-Mate

Activated Partial Thromboplastin Time (APTT)

Rate of change in absorbance due to clot formation
Coag-A-Mate

CLINICAL CHEMISTRY

Creatinine

Jaffe's alkaline picrate reaction
Centrifichem Centrifugal Analyzer System
Fabiny, D.L. and Ertingshausen, G.
Clin. Chem., 17, 696, 1971.

Inorganic Phosphorus

Phosphomolybdate reaction
Centrifichem Centrifugal Analyzer System
Daly, J.A., and Ertinghausen, G.
Clin. Chem., 18, 263, 1972.

Glucose

Hexokinase method
Centrifichem Centrifugal Analyzer System
Bondar, J.L. and Mead, D.C.
Clin. Chem. 20, 586, 1974.

Urea Nitrogen (BUN)

Modified urease technique
Centrifichem Centrifugal Analyzer System
Talke, H. and Schubert, G.E.
Klin. Wchnschr. 43, 174, 1965.

Total Protein

Biuret technique
Centrifichem Centrifugal Analyzer System
Kingsley, G.R., J. Biol. Chem. 131, 197, 1939.

Albumin

Bromocresol Green method
Centrifichem Centrifugal Analyzer System
Doumas, B.T. and Biggs, H.G.
Standard Methods of Clinical Chemistry, 7, 175, 1972.

Globulin

Total Protein - Albumin = Globulin (Calculated value).

Calcium

Modified alizarin procedure
Centrifichem Centrifugal Analyzer System
Frings, C.S., et. al., Clin. Chem., 16, 816, 1970.

Aspartate Amino Transferase (AST/SGOT)

Modified Karmen procedure
Centrifichem Centrifugal Analyzer System
Bergmeyer, H.V., Scheibe, P., and Wahlefeld, A.W.
Clin. Chem., 24, 58, 1978.

Alanine Amino Transferase (ALT/SGPT)

Modified Henley & Pollard procedure
Centrifichem Centrifugal Analyzer System
Bergmeyer, H.V., Scheibe, P., and Wahlefeld, A.W.
Clin. Chem., 24, 58, 1978.

CPM.OC

Alkaline Phosphatase

Modified Bowers-McComb procedure
Centrifichem Centrifugal Analyzer System
Bowers, Jr., G.N., McComb, R.B.
Clin. Chem., 12, 70, 1966.

Cholesterol

Allain enzymatic procedure
Centrifichem Centrifugal Analyzer System
Allain, C.C., et. al., Clin. Chem. 20, 470, 1974.

Total Bilirubin

Diazo colorimetric procedure
Centrifichem Centrifugal Analyzer System
Ertinghausen, G., Fabiny-Byrd, D.L., Tiffany, T.O., and Carey, S.J., Clin. Chem. 19, 1366, 1973.

Direct Bilirubin

Diazo colorimetric procedure
Centrifichem Centrifugal Analyzer System
Ertinghausen, G., Fabiny-Byrd, D.L., Tiffany, T.O., and Carey, S.J., Clin. Chem. 19, 1366, 1973.

Electrolytes (Na^+, K^+, Cl^-, CO_2)

Ion specific electrodes (Metpath, Inc.)

URINALYSES

Qualitative Measurements

pH	Ketones	Urobilinogen
Protein	Bilirubin	
Glucose	Blood	

Chemstrip 7L - Chemistry Reagent Strips
Bio-Dynamics/bmc
Indianapolis, Indiana

Specific Gravity

Optical temperature compensated refractometer

Microscopic Evaluation

Urinary sediment stained with Sedi-stain and evaluated using the Ames Atlas of Urine Sediment, Ames Co., Division Miles Laboratories, Elkhart, Indiana.

APPENDIX D

INDIVIDUAL ANIMAL DATA

DISPOSITION OF ANIMALS IN 13-WEEK META-CRESOL STUDY IN SPRAGUE DAWLEY RATS

Dose Level (mg/kg/day)	Sex	Baseline Clinical Pathology Animals[a] 10/2/85	45-Day Sacrifice 11/18-11/19/85	90-Day Sacrifice 1/2-1/4/86
0	M	-	3401-3410	3411-3430
50	M	-	3431-3440	3441-3460
150	M	-	3461-3470	3471-3490
450	M	-	3491-3500	3501-3520[b]
-	M	3521-3530	-	-
0	F	-	3531-3540	3541-3560
50	F	-	3561-3570	3571-3590
150	F	-	3591-3600	3601-3620
450	F	-	3621-3630	3631-3650
-	F	3651-3660	-	-

[a] Animals selected for baseline clinical pathology were discarded without necropsy after the collection of blood samples.

[b] Early death, animal number 3504 on 10/7/85.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

ABBREVIATION CODES

Body Weights and Food Consumption

ISAC - interim sacrifice
na - no data available
dead - unscheduled death

Organ Weights

e - raw data entry error
na - no data available
dead - unscheduled death
term. wgt. - terminal body weight
thy./para. - thyroid/parathyroid
rt - right
lft - left

Urinalysis

c - clear
cl - cloudy
hz - hazy
y - yellow
py - pale yellow
ly - light yellow
a - amber
dy - dark yellow
s - straw color
tp - triple phosphate
co - calcium oxalate
ap - amorphous phosphate
n - none
tr - trace
m - many
f - few
ng - negative
nr - normal
mod - moderate
num - numerous
occ - occasional
> - greater than
dead - unscheduled death
app - appearance
vol - volume
uro - urobilinogen
bili - bilirubin
ery - erythrocytes
RBC/HPF - number of red blood cells under high power field
WBC/HPF - number of white blood cells under high power field
Casts/LPF - number of casts under low power field
EPI/HPF - number of epithelial cells cells under high power field

Hematology & Clinical Chemistry

QNS - quantity not sufficient
dead - unscheduled death
z - no clot was formed
sc - specimen clotted

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3401	233	297	348	394	431	465	491
	3402	207	271	320	361	391	424	454
	3403	228	291	346	392	432	456	498
	3404	216	277	318	360	391	417	439
	3405	211	280	331	376	400	431	460
	3406	212	270	314	356	389	414	432
	3407	220	274	313	352	387	409	435
	3408	209	271	312	350	386	404	432
	3409	210	269	322	360	394	418	443
	3410	234	305	363	415	460	482	510
	3411	236	311	373	403	452	484	508
	3412	240	313	374	432	465	491	522
	3413	221	286	337	375	413	444	478
	3414	229	287	333	370	412	449	473
	3415	217	278	330	381	419	447	487
	3416	195	253	292	324	360	388	415
	3417	217	297	361	397	444	471	499
	3418	205	264	311	355	388	415	446
	3419	227	296	345	400	435	470	492
	3420	202	246	276	314	346	364	383
	3421	249	317	372	423	458	493	511
	3422	221	303	377	437	489	530	572
	3423	219	285	335	384	396	430	465
	3424	218	282	327	372	410	446	474
	3425	225	284	341	378	418	447	472
	3426	213	264	308	353	395	413	438
	3427	226	283	335	372	408	437	459
	3428	211	274	333	364	391	426	452
	3429	218	273	320	358	392	419	446
	3430	225	284	329	358	396	418	441
50 mg/kg/day	3431	233	295	340	383	419	448	472
	3432	228	292	359	412	455	492	520
	3433	215	283	329	372	415	441	474
	3434	216	280	321	367	410	431	447
	3435	205	262	306	332	365	392	415
	3436	213	278	322	355	394	426	456
	3437	234	302	355	393	420	454	479
	3438	212	272	322	356	390	420	448
	3439	233	298	342	381	408	437	460
	3440	196	238	290	322	356	381	402
	3441	204	267	308	334	365	376	401
	3442	225	293	346	389	434	467	489
	3443	186	262	304	338	374	397	430
	3444	229	301	354	390	418	441	475
	3445	205	263	306	345	381	416	448
	3446	223	278	324	363	394	419	440

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day (continued)	3447	180	235	272	297	332	365	396
	3448	216	278	323	369	394	420	441
	3449	224	292	348	393	426	460	496
	3450	221	288	333	370	402	432	454
	3451	226	288	341	375	412	443	458
	3452	224	290	345	394	432	466	498
	3453	217	276	335	368	404	423	442
	3454	231	301	354	403	419	451	486
	3455	227	302	347	386	419	443	471
	3456	220	283	330	373	413	448	475
	3457	218	286	334	366	401	423	446
	3458	231	311	370	412	449	493	529
	3459	198	269	324	360	398	423	453
	3460	231	303	358	404	431	463	495
150 mg/kg/day	3461	219	279	332	377	342	382	434
	3462	215	268	316	355	384	408	431
	3463	230	299	344	388	423	445	466
	3464	208	262	297	332	353	374	386
	3465	224	293	340	381	416	441	477
	3466	224	297	341	378	403	421	446
	3467	226	282	318	354	393	417	445
	3468	221	288	342	389	360	405	460
	3469	203	254	291	322	355	367	387
	3470	210	272	320	358	395	410	434
	3471	223	278	309	341	361	376	393
	3472	207	276	330	383	417	432	456
	3473	226	288	337	378	409	420	446
	3474	225	288	333	374	407	428	460
	3475	222	296	313	356	391	402	421
	3476	202	252	291	317	342	352	372
	3477	235	300	344	388	420	438	462
	3478	224	284	325	367	407	434	463
	3479	225	291	335	380	417	441	461
	3480	231	291	333	370	394	406	427
	3481	225	257	327	370	400	433	465
	3482	229	313	365	407	440	466	498
	3483	234	301	358	404	442	450	486
	3484	211	270	314	357	382	410	433
	3485	206	270	317	354	389	403	422
	3486	208	270	285	328	363	383	417
	3487	235	301	338	371	394	405	426
	3488	225	291	345	388	415	438	449
	3489	222	288	334	364	403	413	411
	3490	213	272	321	351	354	397	436

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3491	205	254	289	314	335	358	381
	3492	223	272	310	343	373	401	424
	3493	217	264	312	348	370	394	424
	3494	222	280	325	366	396	425	456
	3495	231	293	342	376	413	437	469
	3496	197	237	267	304	309	344	370
	3497	217	280	319	353	389	420	453
	3498	202	271	305	329	357	395	418
	3499	209	299	341	381	414	453	470
	3500	241	298	345	372	406	442	462
	3501	229	285	331	360	380	416	441
	3502	199	245	287	310	334	355	372
	3503	227	285	326	364	382	416	447
	3504	213	dead	-	-	-	-	-
	3505	237	290	338	381	398	430	444
	3506	211	254	301	395	357	394	414
	3507	239	302	353	396	434	471	503
	3508	219	272	315	370	287 *	364	409
	3509	222	283	323	384	406	439	445
	3510	226	293	341	385	416	447	471
	3511	229	296	343	387	400	438	477
	3512	214	266	301	347	346	376	403
	3513	217	273	311	332	309	369	386
	3514	207	245	289	331	357	390	422
	3515	200	251	298	359	361	384	409
	3516	198	223	258	289	306	331	357
	3517	212	261	297	328	354	390	418
	3518	192	242	285	324	270 *	343	373
	3519	204	254	300	324	344	375	401
	3520	182	227	261	293	307	333	357

* Signs of dehydration noted.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
0 mg/kg/day	3401	ISAC	na	na	na	na	na	na
	3402	ISAC	na	na	na	na	na	na
	3403	ISAC	na	na	na	na	na	na
	3404	ISAC	na	na	na	na	na	na
	3405	ISAC	na	na	na	na	na	na
	3406	ISAC	na	na	na	na	na	na
	3407	ISAC	na	na	na	na	na	na
	3408	ISAC	na	na	na	na	na	na
	3409	ISAC	na	na	na	na	na	na
	3410	ISAC	na	na	na	na	na	na
	3411	532	553	567	589	616	630	633
	3412	553	579	596	608	631	631	640
	3413	501	503	535	546	542	546	565
	3414	499	524	540	556	571	585	583
	3415	510	509	534	556	573	586	600
	3416	442	457	479	489	509	513	516
	3417	527	549	575	581	615	628	633
	3418	466	481	496	516	531	543	560
	3419	522	545	558	586	601	607	576
	3420	397	410	426	434	445	450	447
	3421	542	566	583	603	632	633	591
	3422	618	640	660	679	707	711	729
	3423	491	513	529	550	563	580	591
	3424	501	522	547	567	578	588	595
	3425	494	509	534	547	569	583	589
	3426	451	459	469	492	498	515	525
	3427	486	496	516	527	557	559	570
	3428	479	499	525	531	551	556	572
	3429	469	483	501	516	535	544	553
	3430	461	484	511	484	506	523	524
50 mg/kg/day	3431	ISAC	na	na	na	na	na	na
	3432	ISAC	na	na	na	na	na	na
	3433	ISAC	na	na	na	na	na	na
	3434	ISAC	na	na	na	na	na	na
	3435	ISAC	na	na	na	na	na	na
	3436	ISAC	na	na	na	na	na	na
	3437	ISAC	na	na	na	na	na	na
	3438	ISAC	na	na	na	na	na	na
	3439	ISAC	na	na	na	na	na	na
	3440	ISAC	na	na	na	na	na	na
	3441	417	431	452	473	483	485	494
	3442	508	528	554	581	593	608	607
	3443	460	488	513	530	524	530	545
	3444	506	514	537	560	569	575	590
	3445	464	479	502	534	544	540	562
	3446	466	479	507	523	531	537	546

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
50 mg/kg/day (continued)	3447	421	451	472	506	525	536	554
	3448	461	471	494	510	537	537	545
	3449	519	542	569	589	608	619	627
	3450	475	498	521	546	564	577	594
	3451	483	502	523	548	569	569	578
	3452	527	546	560	592	609	610	625
	3453	459	469	500	519	539	544	536
	3454	513	539	545	588	593	598	612
	3455	491	513	528	551	563	572	579
	3456	502	524	550	574	587	588	596
	3457	475	496	521	538	553	554	561
	3458	549	576	594	614	630	634	637
	3459	478	491	505	532	544	555	567
	3460	516	551	543	563	581	595	597
150 mg/kg/day	3461	ISAC	na	na	na	na	na	na
	3462	ISAC	na	na	na	na	na	na
	3463	ISAC	na	na	na	na	na	na
	3464	ISAC	na	na	na	na	na	na
	3465	ISAC	na	na	na	na	na	na
	3466	ISAC	na	na	na	na	na	na
	3467	ISAC	na	na	na	na	na	na
	3468	ISAC	na	na	na	na	na	na
	3469	ISAC	na	na	na	na	na	na
	3470	ISAC	na	na	na	na	na	na
	3471	415	433	448	466	488	505	502
	3472	478	499	532	537	553	564	566
	3473	473	485	517	526	536	550	551
	3474	476	499	523	538	566	572	544
	3475	397	427	415	472	504	524	505
	3476	389	409	428	439	450	456	428
	3477	486	503	534	550	549	568	563
	3478	489	510	537	552	574	578	575
	3479	483	504	481	526	548	568	547
	3480	397	419	469	488	509	512	484
	3481	486	508	536	552	563	574	550
	3482	521	546	567	582	602	600	606
	3483	513	535	561	574	589	600	604
	3484	449	469	499	512	526	536	542
	3485	401	435	469	481	502	510	487
	3486	431	452	468	451	440	483	455
	3487	403	339	406	462	486	509	506
	3488	474	502	533	544	564	568	560
	3489	445	469	501	506	518	545	514
	3490	409	456	484	491	506	515	493

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
450 mg/kg/day	3491	ISAC	na	na	na	na	na	na
	3492	ISAC	na	na	na	na	na	na
	3493	ISAC	na	na	na	na	na	na
	3494	ISAC	na	na	na	na	na	na
	3495	ISAC	na	na	na	na	na	na
	3496	ISAC	na	na	na	na	na	na
	3497	ISAC	na	na	na	na	na	na
	3498	ISAC	na	na	na	na	na	na
	3499	ISAC	na	na	na	na	na	na
	3500	ISAC	na	na	na	na	na	na
	3501	454	464	491	498	515	519	514
	3502	328	401	427	431	447	456	470
	3503	466	479	474	491	512	522	528
	3504	dead	-	-	-	-	-	-
	3505	399	453	477	500	515	510	531
	3506	432	440	458	462	473	478	471
	3507	528	539	563	579	602	592	606
	3508	437	455	487	488	511	524	540
	3509	476	481	504	522	545	551	569
	3510	445	362	385	481	520	549	565
	3511	505	526	551	560	555	559	555
	3512	409	421	437	450	443	459	459
	3513	398	417	444	459	437	455	465
	3514	437	442	463	483	485	504	512
	3515	369	389	429	452	508	482	445
	3516	372	380	406	416	467	441	445
	3517	429	436	458	456	486	482	484
	3518	398	405	430	445	473	468	478
	3519	414	424	438	452	467	477	485
	3520	361	369	389	409	411	423	401

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3401	64	115	161	198	232	258	na
	3402	64	113	154	184	217	247	na
	3403	63	118	164	204	228	270	na
	3404	61	102	144	175	201	223	na
	3405	69	120	165	189	220	249	na
	3406	58	102	144	177	202	220	na
	3407	54	93	132	167	189	215	na
	3408	62	103	141	177	195	223	na
	3409	59	112	150	184	208	233	na
	3410	71	129	181	226	248	276	na
	3411	75	137	167	216	248	272	296
	3412	73	134	192	225	251	282	313
	3413	65	116	154	192	223	257	280
	3414	58	104	141	183	220	244	270
	3415	61	113	164	202	230	270	293
	3416	58	97	129	165	193	220	247
	3417	80	144	180	227	254	282	310
	3418	59	106	150	183	210	241	261
	3419	69	118	173	208	243	265	295
	3420	44	74	112	144	162	181	195
	3421	68	123	174	209	244	262	293
	3422	82	156	216	268	309	351	397
	3423	66	116	165	177	211	246	272
	3424	64	109	154	192	228	256	283
	3425	59	116	153	193	222	247	269
	3426	51	95	140	182	200	225	238
	3427	57	109	146	182	211	233	260
	3428	63	122	153	180	215	241	268
	3429	55	102	140	174	201	228	251
	3430	59	104	133	171	193	216	236
50 mg/kg/day	3431	62	107	150	186	215	239	na
	3432	64	131	184	227	264	292	na
	3433	68	114	157	200	226	259	na
	3434	64	105	151	194	215	231	na
	3435	57	101	127	160	187	210	na
	3436	65	109	142	181	213	243	na
	3437	68	121	159	186	220	245	na
	3438	60	110	144	178	208	236	na
	3439	65	109	148	175	204	227	na
	3440	42	94	126	160	185	206	na
	3441	63	104	130	161	172	197	213
	3442	68	121	164	209	242	264	283
	3443	76	118	152	188	211	244	274
	3444	72	125	161	189	212	246	277
	3445	58	101	140	176	211	243	259
	3446	55	101	140	171	196	217	243

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day (continued)	3447	55	92	117	152	185	216	241
	3448	62	107	153	178	204	225	245
	3449	68	124	169	202	236	272	295
	3450	67	112	149	181	211	233	254
	3451	62	115	149	186	217	232	257
	3452	66	121	170	208	242	274	303
	3453	59	118	151	187	206	225	242
	3454	70	123	172	188	220	255	282
	3455	75	120	159	192	216	244	264
	3456	63	110	153	193	228	255	282
	3457	68	116	148	183	205	228	257
	3458	80	139	181	218	262	298	318
	3459	71	126	162	200	225	255	280
	3460	72	127	173	200	232	264	285
150 mg/kg/day	3461	60	113	158	123	163	215	na
	3462	53	101	140	169	193	216	na
	3463	69	114	158	193	215	236	na
	3464	54	89	124	145	166	178	na
	3465	69	116	157	192	217	253	na
	3466	73	117	154	179	197	222	na
	3467	56	92	128	167	191	219	na
	3468	67	121	168	139	184	239	na
	3469	51	88	119	152	164	184	na
	3470	62	110	148	185	200	224	na
	3471	55	86	118	138	153	170	192
	3472	69	123	176	210	225	249	271
	3473	62	111	152	183	194	220	247
	3474	63	108	149	182	203	235	251
	3475	74	91	134	169	180	199	175
	3476	50	89	115	140	150	170	187
	3477	65	109	153	185	203	227	251
	3478	60	101	143	183	210	239	265
	3479	66	110	155	192	216	236	258
	3480	60	102	139	163	175	196	166
	3481	32	102	145	175	208	240	261
	3482	84	136	178	211	237	269	292
	3483	67	124	170	208	216	252	279
	3484	59	103	146	171	199	222	238
	3485	64	111	148	183	197	216	195
	3486	62	77	120	155	175	209	223
	3487	66	103	136	159	170	191	168
	3488	66	120	163	190	213	224	249
	3489	66	112	142	181	191	189	223
	3490	59	108	138	141	184	223	196

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3491	49	84	109	130	153	176	na
	3492	49	87	120	150	178	201	na
	3493	47	95	131	153	177	207	na
	3494	58	103	144	174	203	234	na
	3495	62	111	145	182	206	238	na
	3496	40	70	107	112	147	173	na
	3497	63	102	136	172	203	236	na
	3498	69	103	127	155	193	216	na
	3499	90	132	172	205	244	261	na
	3500	57	104	131	165	201	221	na
	3501	56	102	131	151	187	212	225
	3502	46	88	111	135	156	173	189
	3503	58	99	137	155	189	220	239
	3504	dead	-	-	-	-	-	-
	3505	53	101	144	161	193	207	162
	3506	43	90	184	146	183	203	221
	3507	63	114	157	195	232	264	289
	3508	53	96	151	68	145	190	218
	3509	61	101	162	184	217	223	254
	3510	67	115	159	190	221	245	219
	3511	67	114	158	171	209	248	276
	3512	52	87	133	132	162	189	195
	3513	56	94	115	92	152	169	181
	3514	38	82	124	150	183	215	230
	3515	51	98	159	161	184	209	169
	3516	25	60	91	108	133	159	174
	3517	49	85	116	142	178	206	217
	3518	50	93	132	78	151	181	206
	3519	50	96	120	140	171	197	210
	3520	45	79	111	125	151	175	179

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
0 mg/kg/day	3401	na	na	na	na	na	na
	3402	na	na	na	na	na	na
	3403	na	na	na	na	na	na
	3404	na	na	na	na	na	na
	3405	na	na	na	na	na	na
	3406	na	na	na	na	na	na
	3407	na	na	na	na	na	na
	3408	na	na	na	na	na	na
	3409	na	na	na	na	na	na
	3410	na	na	na	na	na	na
	3411	317	331	353	380	394	397
	3412	339	356	368	391	391	400
	3413	282	314	325	321	325	344
	3414	295	311	327	342	356	354
	3415	292	317	339	356	369	383
	3416	262	284	294	314	318	321
	3417	332	358	364	398	411	416
	3418	276	291	311	326	338	355
	3419	318	331	359	374	380	349
	3420	208	224	232	243	248	245
	3421	317	334	354	383	384	342
	3422	419	439	458	486	490	508
	3423	294	310	331	344	361	372
	3424	304	329	349	360	370	377
	3425	284	309	322	344	358	364
	3426	246	256	279	285	302	312
	3427	270	290	301	331	333	344
	3428	288	314	320	340	345	361
	3429	265	283	298	317	326	335
	3430	259	286	259	281	298	299
50 mg/kg/day	3431	na	na	na	na	na	na
	3432	na	na	na	na	na	na
	3433	na	na	na	na	na	na
	3434	na	na	na	na	na	na
	3435	na	na	na	na	na	na
	3436	na	na	na	na	na	na
	3437	na	na	na	na	na	na
	3438	na	na	na	na	na	na
	3439	na	na	na	na	na	na
	3440	na	na	na	na	na	na
	3441	227	248	269	279	281	290
	3442	303	329	356	368	383	382
	3443	302	327	344	338	344	359
	3444	285	308	331	340	346	361
	3445	274	297	329	339	335	357
	3446	256	284	300	308	314	323

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
50 mg/kg/day (continued)	3447	271	292	326	345	356	374
	3448	255	278	294	321	321	329
	3449	318	345	365	384	395	403
	3450	277	300	325	343	356	373
	3451	276	297	322	343	343	352
	3452	322	336	368	385	386	401
	3453	252	283	302	322	327	319
	3454	308	314	357	362	367	381
	3455	286	301	324	336	345	352
	3456	304	330	354	367	368	376
	3457	278	303	320	335	336	343
	3458	345	363	383	399	403	406
	3459	293	307	334	346	357	369
	3460	320	312	332	350	364	366
150 mg/kg/day	3461	na	na	na	na	na	na
	3462	na	na	na	na	na	na
	3463	na	na	na	na	na	na
	3464	na	na	na	na	na	na
	3465	na	na	na	na	na	na
	3466	na	na	na	na	na	na
	3467	na	na	na	na	na	na
	3468	na	na	na	na	na	na
	3469	na	na	na	na	na	na
	3470	na	na	na	na	na	na
	3471	210	225	243	265	282	279
	3472	292	325	330	346	357	359
	3473	259	291	300	310	324	325
	3474	274	298	313	341	347	319
	3475	205	193	250	282	302	283
	3476	207	226	237	248	254	226
	3477	268	299	315	314	333	328
	3478	286	313	328	350	354	351
	3479	279	256	301	323	343	322
	3480	188	238	257	278	281	253
	3481	283	311	327	338	349	325
	3482	317	338	353	373	371	377
	3483	301	327	340	355	366	370
	3484	258	288	301	315	325	331
	3485	229	263	275	296	304	281
	3486	244	260	243	232	275	247
	3487	104	171	227	251	274	271
	3488	277	308	319	339	343	335
	3489	247	279	284	296	323	292
	3490	243	271	278	293	302	280

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
450 mg/kg/day	3491	na	na	na	na	na	na
	3492	na	na	na	na	na	na
	3493	na	na	na	na	na	na
	3494	na	na	na	na	na	na
	3495	na	na	na	na	na	na
	3496	na	na	na	na	na	na
	3497	na	na	na	na	na	na
	3498	na	na	na	na	na	na
	3499	na	na	na	na	na	na
	3500	na	na	na	na	na	na
	3501	235	262	269	286	290	285
	3502	202	228	232	248	257	271
	3503	252	247	264	285	295	301
	3504	na	na	na	na	na	na
	3505	216	240	263	278	273	294
	3506	229	247	251	262	267	260
	3507	300	324	340	363	353	367
	3508	236	268	269	292	305	321
	3509	259	282	300	323	329	347
	3510	136	159	255	294	323	339
	3511	297	322	331	326	330	326
	3512	207	223	236	229	243	255
	3513	200	227	242	220	238	248
	3514	235	256	276	278	297	305
	3515	189	229	252	308	282	245
	3516	182	208	218	269	243	247
	3517	224	246	244	274	270	272
	3518	213	238	253	281	276	286
	3519	220	234	248	263	273	281
	3520	187	207	227	229	241	219

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3531	162	187	216	232	247	255	268
	3532	137	169	189	202	215	229	233
	3533	148	181	202	220	225	234	245
	3534	156	186	208	232	241	259	276
	3535	156	186	205	225	246	253	262
	3536	139	166	182	192	208	215	230
	3537	132	159	178	194	201	211	225
	3538	136	167	188	213	222	239	247
	3539	152	189	213	238	258	267	283
	3540	133	160	173	202	222	233	247
	3541	150	176	196	214	233	251	258
	3542	162	187	209	229	240	249	261
	3543	127	154	175	191	200	213	224
	3544	134	170	191	211	222	232	246
	3545	142	179	201	217	226	232	249
	3546	144	168	188	205	224	218	248
	3547	137	172	195	229	238	252	259
	3548	139	169	191	210	230	250	263
	3549	139	169	196	211	228	217	244
	3550	150	181	208	218	237	252	264
	3551	130	163	182	199	223	233	246
	3552	160	193	216	215	240	251	256
	3553	150	188	214	241	264	241	273
	3554	146	169	188	209	224	239	250
	3555	145	164	177	189	209	218	227
	3556	153	183	200	226	243	248	251
	3557	168	190	216	240	248	262	276
	3558	160	190	209	226	238	248	256
	3559	157	182	198	218	226	234	239
	3560	142	174	192	211	226	233	236
50 mg/kg/day	3561	128	165	189	201	224	233	239
	3562	155	175	195	213	232	240	247
	3563	154	179	201	219	232	239	251
	3564	149	181	199	207	227	239	256
	3565	137	180	201	220	232	218	223
	3566	150	179	197	220	230	243	255
	3567	162	197	221	241	255	272	282
	3568	144	172	186	205	218	223	243
	3569	152	172	188	210	225	240	250
	3570	145	169	192	202	214	225	234
	3571	155	186	208	227	246	258	261
	3572	154	183	207	227	237	251	265
	3573	161	192	209	230	247	266	269
	3574	140	166	184	202	223	228	238
	3575	148	178	198	213	228	237	242
	3576	152	190	210	228	246	255	267

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day (continued)	3577	157	182	209	228	226	231	248
	3578	145	172	193	210	221	237	253
	3579	158	193	212	221	244	244	258
	3580	143	183	206	221	233	246	255
	3581	149	174	182	196	213	222	222
	3582	161	190	201	212	224	243	245
	3583	153	163	179	196	214	224	230
	3584	158	183	214	238	258	276	291
	3585	160	180	196	206	220	228	241
	3586	139	163	178	194	203	221	226
	3587	137	185	205	222	238	253	262
	3588	172	198	215	233	247	264	269
	3589	168	194	226	228	243	255	270
	3590	138	163	176	187	200	211	215
150 mg/kg/day	3591	152	182	206	218	241	252	262
	3592	159	180	198	211	225	234	241
	3593	156	186	210	226	243	237	257
	3594	163	199	229	253	269	288	293
	3595	141	162	184	196	206	218	232
	3596	158	189	210	234	249	252	263
	3597	153	181	193	212	228	241	246
	3598	146	180	195	212	230	239	251
	3599	119	153	169	184	202	205	223
	3600	149	178	197	217	241	244	255
	3601	159	187	213	230	242	258	274
	3602	142	170	198	225	241	248	262
	3603	152	174	197	212	213	227	224
	3604	141	170	182	204	218	219	231
	3605	151	184	211	229	242	262	266
	3606	151	176	192	216	231	240	247
	3607	142	162	183	207	216	231	243
	3608	145	176	203	218	235	245	257
	3609	134	157	181	200	222	229	247
	3610	146	181	196	216	220	241	243
	3611	162	192	213	238	250	256	266
	3612	162	187	202	226	241	256	258
	3613	141	172	194	206	225	228	238
	3614	143	169	189	208	224	227	237
	3615	151	166	184	201	210	215	231
	3616	141	173	195	220	232	241	254
	3617	151	174	191	211	228	239	253
	3618	148	166	187	209	214	223	232
	3619	157	178	204	217	228	237	252
	3620	151	171	197	212	226	231	241

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3621	160	185	206	230	247	267	275
	3622	136	157	179	201	210	224	232
	3623	148	171	196	202	227	240	259
	3624	144	172	192	217	233	253	247
	3625	145	172	190	207	224	235	241
	3626	163	173	195	210	222	237	244
	3627	159	181	202	221	234	247	258
	3628	156	182	266	222	233	244	250
	3629	147	171	192	211	222	240	251
	3630	136	160	176	196	209	223	231
	3631	145	152	170	177	186	192	203
	3632	150	180	198	216	227	235	249
	3633	128	152	173	180	185	196	199
	3634	136	161	186	203	222	237	255
	3635	132	162	183	202	214	228	234
	3636	147	177	199	230	240	256	272
	3637	154	175	191	217	226	230	239
	3638	134	161	176	198	215	230	243
	3639	147	167	181	195	203	201	218
	3640	154	173	188	215	220	224	241
	3641	134	153	171	190	200	206	217
	3642	159	194	219	247	270	277	296
	3643	136	173	197	220	224	241	256
	3644	132	148	158	177	179	192	196
	3645	151	186	203	218	228	243	255
	3646	150	161	183	210	218	235	250
	3647	140	180	204	219	227	242	254
	3648	154	187	212	230	237	261	275
	3649	164	194	221	241	248	261	275
	3650	148	176	193	220	226	227	236

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
0 mg/kg/day	3531	ISAC	na	na	na	na	na	na
	3532	ISAC	na	na	na	na	na	na
	3533	ISAC	na	na	na	na	na	na
	3534	ISAC	na	na	na	na	na	na
	3535	ISAC	na	na	na	na	na	na
	3536	ISAC	na	na	na	na	na	na
	3537	ISAC	na	na	na	na	na	na
	3538	ISAC	na	na	na	na	na	na
	3539	ISAC	na	na	na	na	na	na
	3540	ISAC	na	na	na	na	na	na
	3541	263	274	281	291	291	300	300
	3542	268	266	269	283	274	266	266
	3543	232	238	242	256	257	250	263
	3544	245	250	260	259	272	270	284
	3545	251	261	267	275	271	273	287
	3546	265	264	264	280	286	284	296
	3547	263	279	273	289	287	288	301
	3548	272	285	296	303	306	316	322
	3549	256	256	266	278	275	273	281
	3550	271	279	281	288	293	291	297
	3551	253	254	263	280	291	295	299
	3552	266	263	276	290	287	302	292
	3553	283	285	300	315	305	299	320
	3554	259	261	274	286	293	288	296
	3555	232	235	249	252	251	255	263
	3556	264	272	275	288	292	304	305
	3557	283	283	300	306	302	303	310
	3558	266	278	286	288	289	293	302
	3559	243	241	245	253	248	264	261
	3560	248	247	253	258	266	269	269
50 mg/kg/day	3561	ISAC	na	na	na	na	na	na
	3562	ISAC	na	na	na	na	na	na
	3563	ISAC	na	na	na	na	na	na
	3564	ISAC	na	na	na	na	na	na
	3565	ISAC	na	na	na	na	na	na
	3566	ISAC	na	na	na	na	na	na
	3567	ISAC	na	na	na	na	na	na
	3568	ISAC	na	na	na	na	na	na
	3569	ISAC	na	na	na	na	na	na
	3570	ISAC	na	na	na	na	na	na
	3571	279	283	284	301	305	308	303
	3572	268	273	274	287	284	286	290
	3573	285	290	292	295	312	310	312
	3574	252	253	261	280	284	289	288
	3575	255	256	265	273	283	284	286
	3576	274	280	284	296	305	310	301

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
50 mg/kg/day	3577	249	253	256	274	273	268	277
(continued)	3578	261	267	271	288	288	294	307
	3579	256	250	264	262	275	275	287
	3580	258	260	269	282	285	284	286
	3581	233	227	229	244	249	260	260
	3582	251	257	256	263	263	268	273
	3583	222	241	245	256	256	257	262
	3584	292	302	312	330	319	326	337
	3585	247	258	252	266	273	266	274
	3586	236	235	242	257	253	260	260
	3587	266	271	287	295	288	292	300
	3588	275	276	280	298	292	297	298
	3589	278	281	280	287	297	304	302
	3590	222	231	241	243	246	246	245
150 mg/kg/day	3591	ISAC	na	na	na	na	na	na
	3592	ISAC	na	na	na	na	na	na
	3593	ISAC	na	na	na	na	na	na
	3594	ISAC	na	na	na	na	na	na
	3595	ISAC	na	na	na	na	na	na
	3596	ISAC	na	na	na	na	na	na
	3597	ISAC	na	na	na	na	na	na
	3598	ISAC	na	na	na	na	na	na
	3599	ISAC	na	na	na	na	na	na
	3600	ISAC	na	na	na	na	na	na
	3601	280	286	289	305	309	296	307
	3602	273	285	286	303	306	309	317
	3603	225	241	250	257	262	253	237
	3604	236	241	252	251	262	264	275
	3605	271	278	244	255	291	280	292
	3606	262	260	272	281	274	269	261
	3607	252	256	265	268	305	274	326
	3608	274	282	298	299	273	315	288
	3609	251	260	268	271	309	277	314
	3610	253	257	230	241	265	264	316
	3611	277	283	290	300	306	295	276
	3612	270	280	295	292	263	303	272
	3613	241	243	258	262	285	263	288
	3614	241	239	255	256	319	257	271
	3615	235	237	245	251	259	250	257
	3616	255	259	268	275	279	272	288
	3617	266	280	298	302	282	331	341
	3618	241	239	246	261	265	258	267
	3619	223	248	273	283	251	268	279
	3620	244	250	227	235	265	267	263

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14
450 mg/kg/day	3621	ISAC	na	na	na	na	na	na
	3622	ISAC	na	na	na	na	na	na
	3623	ISAC	na	na	na	na	na	na
	3624	ISAC	na	na	na	na	na	na
	3625	ISAC	na	na	na	na	na	na
	3626	ISAC	na	na	na	na	na	na
	3627	ISAC	na	na	na	na	na	na
	3628	ISAC	na	na	na	na	na	na
	3629	ISAC	na	na	na	na	na	na
	3630	ISAC	na	na	na	na	na	na
	3631	207	207	215	227	223	225	242
	3632	254	253	263	269	274	277	284
	3633	196	202	209	207	218	226	201
	3634	255	267	278	278	282	279	293
	3635	227	234	234	243	257	262	252
	3636	263	269	277	282	292	298	309
	3637	241	250	255	254	267	264	263
	3638	253	252	259	266	268	275	265
	3639	221	215	218	220	224	231	231
	3640	234	238	237	241	248	263	252
	3641	219	223	229	238	227	228	243
	3642	309	310	318	327	324	323	363
	3643	251	258	261	261	264	260	256
	3644	203	202	209	210	214	222	216
	3645	255	255	266	277	287	284	292
	3646	250	257	219	259	270	229	271
	3647	244	258	277	282	290	302	290
	3648	278	286	298	304	313	323	330
	3649	279	289	305	306	315	323	315
	3650	234	238	215	248	261	266	261

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3531	25	54	70	85	93	106	na
	3532	32	52	65	78	92	96	na
	3533	33	54	72	77	86	97	na
	3534	30	52	76	85	103	120	na
	3535	30	49	69	90	97	106	na
	3536	27	43	53	69	76	91	na
	3537	27	46	62	69	79	93	na
	3538	31	52	77	86	103	111	na
	3539	37	61	86	106	115	131	na
	3540	27	40	69	89	100	114	na
	3541	26	46	64	83	101	108	113
	3542	25	47	67	78	87	99	106
	3543	27	48	64	73	86	97	105
	3544	36	57	77	88	98	112	111
	3545	37	59	75	84	90	107	109
	3546	24	44	61	80	74	104	121
	3547	35	58	92	101	115	122	126
	3548	30	52	71	91	111	124	133
	3549	30	57	72	89	78	105	117
	3550	31	58	68	87	102	114	121
	3551	33	52	69	93	103	116	123
	3552	33	56	55	80	91	96	106
	3553	38	64	91	114	91	123	133
	3554	23	42	63	78	93	104	113
	3555	19	32	44	64	73	82	87
	3556	30	47	73	90	95	98	111
	3557	22	48	72	80	94	108	115
	3558	30	49	66	78	88	96	106
	3559	25	41	61	69	77	82	86
	3560	32	50	69	84	91	94	106
50 mg/kg/day	3561	37	61	73	96	105	111	na
	3562	20	40	58	77	85	92	na
	3563	25	47	65	78	85	97	na
	3564	32	50	58	78	90	107	na
	3565	43	64	83	95	81	86	na
	3566	29	47	70	80	93	105	na
	3567	35	59	79	93	110	120	na
	3568	28	42	61	74	79	99	na
	3569	20	36	58	73	88	98	na
	3570	24	47	57	69	80	89	na
	3571	31	53	72	91	103	106	124
	3572	29	53	73	83	97	111	114
	3573	31	48	69	86	105	108	124
	3574	26	44	62	83	88	98	112
	3575	30	50	65	80	89	94	107
	3576	38	58	76	94	103	115	122

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day (continued)	3577	25	52	71	69	74	91	92
	3578	27	48	65	76	92	108	116
	3579	35	54	63	86	86	100	98
	3580	40	63	78	90	103	112	115
	3581	25	33	47	64	73	73	84
	3582	29	40	51	63	82	84	90
	3583	10	26	43	61	71	77	69
	3584	25	56	80	100	118	133	134
	3585	20	36	46	60	68	81	87
	3586	24	39	55	64	82	87	97
	3587	48	68	85	101	116	125	129
	3588	26	43	61	75	92	97	103
	3589	26	58	60	75	87	102	110
	3590	25	38	49	62	73	77	84
150 mg/kg/day	3591	30	54	66	89	100	110	na
	3592	21	39	52	66	75	82	na
	3593	30	54	70	87	81	101	na
	3594	36	66	90	106	125	130	na
	3595	21	43	55	65	77	91	na
	3596	31	52	76	91	94	105	na
	3597	28	40	59	75	88	93	na
	3598	34	49	66	84	93	105	na
	3599	34	50	65	83	86	104	na
	3600	29	48	68	92	95	106	na
	3601	28	54	71	83	99	115	121
	3602	28	56	83	99	106	120	131
	3603	22	45	60	61	75	72	73
	3604	29	41	63	77	78	90	95
	3605	33	60	78	91	111	115	120
	3606	25	41	65	80	89	96	111
	3607	20	41	65	74	89	101	110
	3608	31	58	73	90	100	112	129
	3609	23	47	66	88	95	113	117
	3610	35	50	70	74	95	97	107
	3611	30	51	76	88	94	104	115
	3612	25	40	64	79	94	96	108
	3613	31	53	65	84	87	97	100
	3614	26	46	65	81	84	94	98
	3615	15	33	50	59	64	80	84
	3616	32	54	79	91	100	113	114
	3617	23	40	60	77	88	102	115
	3618	18	39	61	66	75	84	93
	3619	21	47	60	71	80	95	66
	3620	20	46	61	75	80	90	93

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3621	25	46	70	87	107	115	na
	3622	21	43	65	74	88	96	na
	3623	23	48	54	79	92	111	na
	3624	28	48	73	89	109	103	na
	3625	27	45	62	79	90	96	na
	3626	10	32	47	59	74	81	na
	3627	22	43	62	75	88	99	na
	3628	26	110	66	77	88	94	na
	3629	24	45	64	75	93	104	na
	3630	24	40	60	73	87	95	na
	3631	7	25	32	41	47	58	62
	3632	30	48	66	77	85	99	104
	3633	24	45	52	57	68	71	68
	3634	25	50	67	86	101	119	119
	3635	30	51	70	82	96	102	95
	3636	30	52	83	93	109	125	116
	3637	21	37	63	72	76	85	87
	3638	27	42	64	81	96	109	119
	3639	20	34	48	56	54	71	74
	3640	19	34	61	66	70	87	80
	3641	19	37	56	66	72	83	85
	3642	35	60	88	111	118	137	150
	3643	37	61	84	88	105	120	115
	3644	16	26	45	47	60	64	71
	3645	35	52	67	77	92	104	104
	3646	11	33	60	68	85	100	100
	3647	40	64	79	87	102	114	104
	3648	33	58	76	83	107	121	124
	3649	30	57	77	84	97	111	115
	3650	28	45	72	78	79	88	86

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
0 mg/kg/day	3531	na	na	na	na	na	na
	3532	na	na	na	na	na	na
	3533	na	na	na	na	na	na
	3534	na	na	na	na	na	na
	3535	na	na	na	na	na	na
	3536	na	na	na	na	na	na
	3537	na	na	na	na	na	na
	3538	na	na	na	na	na	na
	3539	na	na	na	na	na	na
	3540	na	na	na	na	na	na
	3541	124	131	141	141	150	150
	3542	104	107	121	112	104	104
	3543	111	115	129	130	123	136
	3544	116	126	125	138	136	150
	3545	119	125	133	129	131	145
	3546	120	120	136	142	140	152
	3547	142	136	152	150	151	164
	3548	146	157	164	167	177	183
	3549	117	127	139	136	134	142
	3550	129	131	138	143	141	147
	3551	124	133	150	161	165	169
	3552	103	116	130	127	142	132
	3553	135	150	165	155	149	170
	3554	115	128	140	147	142	150
	3555	90	104	107	106	110	118
	3556	119	122	135	139	151	152
	3557	115	132	138	134	135	142
	3558	118	126	128	129	133	142
	3559	84	88	96	91	107	104
	3560	105	111	116	124	127	127
50 mg/kg/day	3561	na	na	na	na	na	na
	3562	na	na	na	na	na	na
	3563	na	na	na	na	na	na
	3564	na	na	na	na	na	na
	3565	na	na	na	na	na	na
	3566	na	na	na	na	na	na
	3567	na	na	na	na	na	na
	3568	na	na	na	na	na	na
	3569	na	na	na	na	na	na
	3570	na	na	na	na	na	na
	3571	128	129	146	150	153	148
	3572	119	120	133	130	132	136
	3573	129	131	134	151	149	151
	3574	113	121	140	144	149	148
	3575	108	117	125	135	136	138
	3576	128	132	144	153	158	149

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
50 mg/kg/day (continued)	3577	96	99	117	116	111	120
	3578	122	126	143	143	149	162
	3579	92	106	104	117	117	129
	3580	117	126	139	142	141	143
	3581	78	80	95	100	111	111
	3582	96	95	102	102	107	112
	3583	88	92	103	103	104	109
	3584	144	154	172	161	168	179
	3585	98	92	106	113	106	114
	3586	96	103	118	114	121	121
	3587	134	150	158	151	155	163
	3588	104	108	126	120	125	126
	3589	113	112	119	129	136	134
	3590	93	103	105	108	108	107
150 mg/kg/day	3591	na	na	na	na	na	na
	3592	na	na	na	na	na	na
	3593	na	na	na	na	na	na
	3594	na	na	na	na	na	na
	3595	na	na	na	na	na	na
	3596	na	na	na	na	na	na
	3597	na	na	na	na	na	na
	3598	na	na	na	na	na	na
	3599	na	na	na	na	na	na
	3600	na	na	na	na	na	na
	3601	127	130	146	150	137	148
	3602	143	144	161	164	167	175
	3603	89	98	105	110	101	85
	3604	100	111	110	121	123	134
	3605	127	93	104	140	129	141
	3606	109	121	130	123	118	110
	3607	114	123	126	163	132	184
	3608	137	153	154	128	170	143
	3609	126	134	137	175	143	180
	3610	111	84	95	119	118	170
	3611	121	128	138	144	133	114
	3612	118	133	130	101	141	110
	3613	102	117	121	144	122	147
	3614	96	112	113	176	114	128
	3615	86	94	100	108	99	106
	3616	118	127	134	138	131	147
	3617	129	147	151	131	180	190
	3618	91	98	113	117	110	119
	3619	91	116	126	94	111	122
	3620	99	76	84	114	116	112

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE BODY WEIGHT GAIN DATA (g)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
450 mg/kg/day	3621	na	na	na	na	na	na
	3622	na	na	na	na	na	na
	3623	na	na	na	na	na	na
	3624	na	na	na	na	na	na
	3625	na	na	na	na	na	na
	3626	na	na	na	na	na	na
	3627	na	na	na	na	na	na
	3628	na	na	na	na	na	na
	3629	na	na	na	na	na	na
	3630	na	na	na	na	na	na
	3631	62	70	82	78	80	97
	3632	103	113	119	124	127	134
	3633	74	81	79	90	98	73
	3634	131	142	142	146	143	157
	3635	102	102	111	125	130	120
	3636	122	130	135	145	151	162
	3637	96	101	100	113	110	109
	3638	118	125	132	134	141	131
	3639	68	71	73	77	84	84
	3640	84	83	87	94	109	98
	3641	89	95	104	93	94	109
	3642	151	159	168	165	164	204
	3643	122	125	125	128	124	120
	3644	70	77	78	82	90	84
	3645	104	115	126	136	133	141
	3646	107	69	109	120	79	121
	3647	118	137	142	150	162	150
	3648	132	144	150	159	169	176
	3649	125	141	142	151	159	151
	3650	90	67	100	113	118	113

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
0 mg/kg/day	3401	604.1	386.1	474.3	250.8	472.1	250.3
	3402	590.3	409.4	507.8	335.1	492.9	317.2
	3403	615.0	424.7	551.4	344.3	483.9	283.0
	3404	618.4	435.3	549.4	371.5	519.1	326.1
	3405	536.9	361.8	508.8	319.4	479.4	275.6
	3406	564.5	381.7	500.3	322.2	478.6	305.6
	3407	651.7	480.2	586.0	414.8	540.5	337.1
	3408	597.2	415.6	504.4	310.8	445.7	254.5
	3409	596.4	411.8	523.5	332.8	487.9	302.2
	3410	585.1	381.8	499.2	283.5	491.0	272.0
	3411	656.7	444.6	544.1	324.4	467.3	273.1
	3412	640.4	440.4	528.8	302.3	482.6	259.0
	3413	611.1	423.5	505.0	307.5	488.0	296.7
	3414	618.6	439.0	498.3	315.5	470.9	280.4
	3415	600.0	409.5	546.1	345.8	477.9	273.0
	3416	646.0	471.7	580.0	409.6	474.5	304.2
	3417	610.4	399.9	494.1	270.7	445.8	249.2
	3418	605.9	439.0	546.7	363.8	494.5	315.3
	3419	570.0	376.2	485.6	286.2	459.8	254.2
	3420	613.8	443.4	520.1	356.1	507.3	337.0
	3421	615.5	388.9	509.8	280.5	478.8	271.3
	3422	590.5	372.3	464.2	232.2	437.0	211.4
	3423	527.9	340.1	475.8	282.9	454.2	260.2
	3424	626.2	431.3	558.3	359.1	501.1	309.8
	3425	556.2	372.8	493.0	263.4	438.0	253.0
	3426	603.3	430.5	566.6	393.4	489.8	308.7
	3427	666.7	482.7	577.4	371.8	483.7	295.1
	3428	648.4	462.7	511.1	315.7	442.7	268.6
	3429	638.0	409.6	527.6	320.9	476.2	281.7
	3430	590.8	378.8	535.0	309.3	462.8	268.1
50 mg/kg/day	3431	630.0	430.1	490.0	294.0	435.5	265.9
	3432	647.8	463.0	509.9	299.9	439.2	217.7
	3433	594.8	414.7	496.9	310.8	451.0	251.0
	3434	599.6	423.8	518.7	350.6	499.5	317.1
	3435	629.1	458.2	527.2	359.6	468.7	282.7
	3436	657.2	467.3	480.1	300.7	422.9	251.4
	3437	622.9	423.0	489.7	291.0	420.5	251.6
	3438	636.6	463.0	502.5	311.0	466.0	250.9
	3439	648.5	467.6	499.3	327.2	460.2	310.2
	3440	632.3	469.7	504.9	336.6	485.9	250.9
	3441	637.3	467.4	511.3	348.6	486.1	332.7
	3442	624.6	442.0	504.4	313.3	463.4	220.9
	3443	667.8	493.1	501.0	317.9	452.5	261.8
	3444	639.3	427.3	508.5	358.5	461.0	274.2
	3445	668.8	569.2	550.4	400.7	436.6	241.8
	3446	475.6	475.1	588.6	413.9	480.7	298.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
50 mg/kg/day (continued)	3447	652.8	502.2	624.8	492.9	492.9	253.8
	3448	642.7	479.0	615.0	445.4	477.1	309.6
	3449	648.9	337.5	445.9	252.5	422.7	230.8
	3450	522.4	483.7	620.2	436.5	455.2	279.9
	3451	674.9	469.8	503.1	317.2	427.1	251.9
	3452	575.6	465.5	496.7	301.4	439.5	251.4
	3453	650.3	501.3	507.1	318.0	454.2	273.7
	3454	423.1	475.1*	541.1	340.6	439.7	265.8
	3455	664.2	429.1	531.0	348.3	448.0	267.2
	3456	477.2	458.2	541.5	362.9	436.6	256.2
	3457	680.5	517.5	534.7	364.1	480.4	323.4
	3458	671.8	469.7	541.8	332.5	466.7	276.1
	3459	625.4	445.4	515.0	339.1	459.3	293.4
	3460	640.2	451.3	515.7	326.1	479.8	275.8
150 mg/kg/day	3461	684.5	504.6	516.0	308.6	450.1	251.2
	3462	552.7	381.7	481.0	279.9	411.7	249.8
	3463	518.8	338.4	471.8	278.0	441.4	271.3
	3464	623.5	459.1	514.9	335.6	483.0	327.8
	3465	617.8	419.8	496.7	250.8	495.2	306.1
	3466	597.0	403.1	488.5	286.3	434.0	251.6
	3467	668.2	469.7	496.0	288.4	448.4	250.4
	3468	489.2	300.0	449.4	251.4	432.8	286.0
	3469	502.2	335.4	431.9	252.4	457.1	281.0
	3470	569.5	373.3	496.4	286.0	448.8	319.8
	3471	577.7	407.0	488.4	331.7	487.7	333.5
	3472	512.9	329.8	438.5	223.9	422.9	264.1
	3473	576.5	400.3	481.7	300.5	447.0	293.3
	3474	594.1	425.4	486.6	311.2	457.7	265.0
	3475	499.6	298.2	430.3	220.6	418.6	261.8
	3476	498.6	354.3	467.1	318.6	436.7	307.5
	3477	591.7	379.2	458.4	254.6	439.7	375.0
	3478	565.6	380.1	480.0	293.9	445.7	256.9
	3479	576.2	338.4	484.8	281.3	442.3	252.2
	3480	470.6	275.1	484.2	291.6	440.4	252.6
	3481	473.1	315.8	487.8	286.9	440.3	264.9
	3482	478.4	276.6	490.3	283.0	427.8	252.1
	3483	464.3	274.5	494.6	291.4	441.2	252.6
	3484	536.2	372.9	499.7	324.2	483.0	252.7
	3485	492.0	328.3	472.3	291.2	438.5	256.8
	3486	450.4	280.5	474.7	352.2	445.2	266.6
	3487	517.2	331.6	457.5	276.3	422.8	251.4
	3488	431.9	241.2	459.7	257.9	404.7	210.0
	3489	478.4	272.9	432.0	236.2	413.9	269.3
	3490	490.3	309.2	470.1	276.2	446.4	247.9

* Invalid weight.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
450 mg/kg/day	3491	362.0	216.6	434.7	271.7	445.3	279.3
	3492	524.9	355.0	482.7	294.5	458.8	296.0
	3493	546.8	373.3	491.7	287.0	452.4	299.7
	3494	393.1	214.3	476.1	263.2	425.9	256.8
	3495	450.0	262.9	540.0	324.2	468.5	285.7
	3496	533.9	388.9	733.4	578.8	448.8	308.3
	3497	527.7	355.4	415.9	224.9	464.5	299.4
	3498	498.9	339.8	478.7	293.0	433.0	290.7
	3499	480.6	281.8	465.9	262.4	412.8	229.0
	3500	475.8	301.5	438.1	238.9	433.9	291.1
	3501	570.0	397.9	413.9	224.4	438.7	228.2
	3502	453.6	310.5	435.4	261.7	417.8	281.1
	3503	447.4	289.3	502.5	308.5	455.7	304.5
	3504	381.9	dead	–	–	–	–
	3505	511.3	326.6	467.6	247.2	389.4	216.9
	3506	392.7	252.6	505.0	350.9	443.1	283.3
	3507	476.0	290.8	503.4	307.9	447.4	239.6
	3508	530.7	341.5	474.4	296.2	456.3	277.4
	3509	467.8	292.5	530.2	344.3	438.2	253.8
	3510	422.7	256.4	497.8	309.8	461.8	266.9
	3511	461.6	286.7	521.1	338.1	421.8	236.8
	3512	381.5	218.7	444.4	287.2	445.5	299.1
	3513	407.1	257.0	503.4	339.6	445.4	307.1
	3514	370.4	234.3	495.7	340.9	444.9	306.3
	3515	519.2	362.5	550.6	381.3	491.1	323.6
	3516	537.6	412.4	594.2	454.8	493.7	344.5
	3517	457.5	302.3	529.6	371.3	459.3	233.8
	3518	403.6	245.7	505.2	334.0	428.1	254.9
	3519	385.2	241.3	572.7	405.9	432.1	277.3
	3520	489.8	350.6	461.4	326.8	455.9	315.9

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
0 mg/kg/day	3401	550.4	329.9	474.9	260.3	486.7	286.0
	3402	562.2	388.7	493.3	325.6	483.8	305.0
	3403	538.6	338.4	491.1	299.9	498.7	319.8
	3404	590.9	407.6	463.9	284.3	482.0	324.2
	3405	541.5	370.4	497.6	328.7	476.0	309.3
	3406	494.6	322.9	478.8	322.3	483.3	324.9
	3407	545.8	356.5	482.2	304.0	471.4	302.9
	3408	575.8	391.5	466.6	297.4	477.5	308.7
	3409	531.8	351.1	469.0	294.2	466.9	298.2
	3410	541.8	326.2	511.8	319.2	478.2	288.3
	3411	555.8	333.6	508.6	298.1	474.0	276.8
	3412	556.7	350.2	505.7	307.0	469.8	282.0
	3413	586.4	393.7	512.7	319.2	487.2	308.1
	3414	577.0	374.1	506.7	311.7	482.4	288.7
	3415	564.2	360.9	509.7	311.8	482.8	289.1
	3416	553.4	373.5	489.9	310.7	471.5	294.6
	3417	593.5	381.3	511.2	319.1	489.8	289.0
	3418	583.7	402.9	513.5	331.0	489.2	313.0
	3419	546.0	342.2	505.5	326.1	493.6	318.4
	3420	590.0	416.6	536.0	396.9	497.8	327.3
	3421	575.9	331.1	574.0	377.4	499.8	273.4
	3422	486.8	229.9	523.9	304.4	471.7	214.8
	3423	483.1	331.3	483.0	321.9	487.2	294.6
	3424	585.0	383.3	507.7	319.6	490.9	319.6
	3425	554.7	343.9	521.8	254.0	476.2	274.1
	3426	569.8	370.8	505.9	340.2	473.8	316.5
	3427	618.9	426.2	497.9	321.0	486.1	318.6
	3428	580.2	404.4	510.3	338.8	475.8	328.8
	3429	581.7	367.3	491.5	274.6	484.4	289.9
	3430	582.1	354.6	488.1	285.9	470.8	268.6
50 mg/kg/day	3431	601.1	358.9	516.0	325.0	475.1	281.6
	3432	493.2	362.5	490.2	304.9	483.3	275.1
	3433	500.4	386.4	490.2	340.3	447.1	294.9
	3434	580.1	376.1	493.3	405.2	483.8	277.2
	3435	540.9	325.8	469.0	410.1	469.4	326.5
	3436	596.8	422.4	481.9	335.9	464.5	297.4
	3437	546.5	364.0	513.0	351.9	480.4	277.2
	3438	611.7	399.7	497.9	375.8	478.8	300.3
	3439	568.2	423.2	529.9	377.3	489.2	312.5
	3440	599.4	426.1	530.3	385.9	491.4	316.0
	3441	560.9	378.1	495.2	354.9	476.7	340.0
	3442	570.5	304.8	508.0	344.2	454.2	314.0
	3443	554.0	330.4	481.2	349.3	480.4	306.4
	3444	563.3	384.3	505.6	392.3	474.2	292.0
	3445	487.1	340.6	485.5	311.6	476.7	304.0
	3446	548.7	359.9	502.9	369.4	476.9	286.4

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
50 mg/kg/day (continued)	3447	550.2	410.3	530.5	315.2	492.7	337.9
	3448	532.0	362.4	559.5	323.3	478.8	305.2
	3449	489.4	290.3	528.1	280.0	478.8	273.0
	3450	601.2	419.1	518.5	312.5	477.2	306.4
	3451	569.9	379.7	546.7	325.1	438.3	317.8
	3452	564.8	358.9	575.7	300.5	479.8	289.1
	3453	550.6	374.0	536.6	320.1	467.3	340.4
	3454	556.9	367.1	542.1	321.5	480.6	347.2
	3455	538.8	357.1	502.2	326.1	474.1	291.3
	3456	569.0	382.5	516.6	363.9	475.2	304.0
	3457	588.6	413.4	535.7	364.8	470.9	330.7
	3458	585.1	352.7	523.5	360.9	481.9	300.1
	3459	562.9	389.8	519.5	269.1	499.7	324.5
	3460	552.3	365.2	497.3	311.2	477.6	306.4
150 mg/kg/day	3461	581.2	527.0	467.6	307.5	426.4	297.3
	3462	599.7	315.0	494.7	367.0	447.8	256.8
	3463	586.5	298.6	495.7	298.9	414.9	264.0
	3464	576.5	409.8	547.6	281.6	418.3	318.4
	3465	514.8	351.9	567.1	279.6	411.9	251.0
	3466	601.7	432 1	595.1	304.9	417.4	276.4
	3467	574.6	354.4	582.2	301.9	413.9	271.3
	3468	590.0	539.2	539.2	310.5	414.9	312.7
	3469	598.6	405.9	557.3	387.0	448.1	322.5
	3470	598.6	414.3	534.6	370.1	469.7	262.0
	3471	542.9	406.1	575.4	338.9	410.3	327.2
	3472	574.7	382.2	492.9	310.2	422.6	266.1
	3473	569.7	368.3	539.3	335.7	411.7	297.8
	3474	575.8	382.5	594.0	295.8	411.9	280.3
	3475	519.6	300.4	482.7	318.3	421.7	311.4
	3476	544.4	401.7	476.7	300.7	417.3	334.1
	3477	550.1	357.2	546.9	322.0	416.8	304.7
	3478	527.5	348.6	539.4	300.3	421.3	306.0
	3479	552.5	360.2	555.0	386.7	461.4	302.4
	3480	587.5	399.7	514.7	309.0	417.3	316.2
	3481	567.5	404.5	545.4	336.9	423.7	311.0
	3482	577.1	381.9	534.1	283.6	444.9	251.4
	3483	566.3	366.7	558.8	303.4	427.5	283.9
	3484	546.3	369.6	516.9	360.6	426.8	276.7
	3485	578.3	391.8	528.0	295.5	423.0	288.5
	3486	512.6	352.6	497.8	309.5	441.1	284.3
	3487	526.6	362.3	516.1	287.8	449.1	299.8
	3488	536.9	339.8	492.4	294.5	443.7	295.4
	3489	559.3	367.8	527.2	307.6	439.5	316.7
	3490	480.8	360.7	447.9	341.8	440.9	279.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
450 mg/kg/day	3491	491.5	348.1	502.6	261.4	471.8	399.5
	3492	516.5	347.0	478.7	281.9	506.8	440.3
	3493	602.1	437.9	484.6	323.7	474.0	307.4
	3494	510.4	310.7	435.8	239.0	461.4	271.7
	3495	609.1	409.9	481.0	285.2	486.4	298.9
	3496	573.9	437.7	469.2	316.6	482.5	332.8
	3497	468.6	269.9	449.8	252.3	460.8	271.8
	3498	480.3	306.7	438.9	261.4	462.1	293.2
	3499	512.6	310.3	484.9	293.5	471.8	281.9
	3500	477.2	285.8	439.1	256.5	459.0	276.9
	3501	486.2	332.5	471.3	310.4	469.7	308.9
	3502	497.8	348.3	450.5	301.7	476.4	334.3
	3503	507.9	345.7	486.2	301.7	465.1	292.6
	3504	dead	-	-	-	-	-
	3505	492.6	310.8	450.5	257.7	467.8	289.4
	3506	495.9	346.3	479.3	329.4	453.0	300.3
	3507	522.9	325.7	459.2	260.7	464.4	265.7
	3508	531.7	457.8	457.1	267.8	497.1	275.9
	3509	494.1	299.1	474.9	299.1	494.9	337.9
	3510	467.9	262.8	454.0	272.5	489.9	276.0
	3511	515.2	360.7	455.5	273.7	475.5	291.0
	3512	477.5	332.1	440.7	283.0	447.3	285.6
	3513	486.1	422.0	457.6	276.1	477.8	337.1
	3514	457.0	292.4	452.9	275.6	481.4	319.4
	3515	571.1	393.5	542.9	367.4	526.3	373.5
	3516	561.1	435.4	517.8	373.7	506.4	374.7
	3517	507.7	338.4	466.7	265.2	484.5	308.5
	3518	485.6	439.5	438.4	234.0	484.2	324.4
	3519	476.8	343.8	456.8	328.8	450.4	316.7
	3520	456.4	320.6	455.4	316.1	446.0	312.6

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
(Feeder Weights)

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
0 mg/kg/day	3401	477.3	364.8[b]	ISAC	na	na	na
	3402	484.2	414.3[a]	ISAC	na	na	na
	3403	469.4	396.8[a]	ISAC	na	na	na
	3404	492.8	395.0[b]	ISAC	na	na	na
	3405	495.9	398.7[b]	ISAC	na	na	na
	3406	479.9	418.8[a]	ISAC	na	na	na
	3407	529.5	450.8[a]	ISAC	na	na	na
	3408	518.8	427.5[b]	ISAC	na	na	na
	3409	453.9	364.9[b]	ISAC	na	na	na
	3410	452.0	369.0[a]	ISAC	na	na	na
	3411	528.9	341.0	444.7	289.0	514.9	293.9
	3412	446.6	256.7	448.5	275.8	459.4	223.6
	3413	458.8	282.0	433.1	277.0	458.6	232.2
	3414	472.4	288.9	436.7	263.8	455.8	242.3
	3415	495.8	312.8	434.4	301.5	458.6	239.4
	3416	459.5	297.8	435.9	282.7	445.8	240.3
	3417	450.4	257.7	438.7	261.3	451.4	217.6
	3418	547.2	382.2	434.3	295.9	528.9	329.3
	3419	478.4	308.2	435.5	275.4	445.0	227.8
	3420	453.8	317.1	437.7	318.8	462.3	295.4
	3421	499.1	283.2	433.4	242.4	445.6	205.3
	3422	555.2	318.2	437.5	251.8	508.0	251.8
	3423	470.8	307.5	433.7	274.2	447.3	243.1
	3424	596.7	425.0	437.6	279.8	524.7	309.4
	3425	465.6	305.7	430.1	280.2	463.5	266.0
	3426	495.9	346.9	438.3	306.0	492.4	335.5
	3427	484.4	313.9	433.9	290.2	458.7	256.2
	3428	516.6	354.7	437.7	291.5	445.1	248.8
	3429	473.2	307.6	435.5	287.8	489.9	290.0
	3430	480.7	307.7	433.3	269.2	450.7	212.0
50 mg/kg/day	3431	497.1	417.3[a]	ISAC	na	na	na
	3432	462.6	381.8[a]	ISAC	na	na	na
	3433	529.3	418.7[b]	ISAC	na	na	na
	3434	527.8	433.1[b]	ISAC	na	na	na
	3435	483.4	487.5[b]	ISAC	na	na	na
	3436	485.4	414.1[a]	ISAC	na	na	na
	3437	479.0	396.5[a]	ISAC	na	na	na
	3438	458.4	356.9[b]	ISAC	na	na	na
	3439	493.8	421.9[a]	ISAC	na	na	na
	3440	528.0	431.6[b]	ISAC	na	na	na
	3441	549.0	414.1	438.8	321.3	476.9	297.7
	3442	496.8	332.2	430.8	268.9	461.5	230.4
	3443	517.8	342.2	440.6	283.2	468.0	267.3
	3444	562.4	383.3	434.8	281.2	462.6	249.2
	3445	537.0	375.4	436.5	296.1	460.6	276.4
	3446	516.7	357.0	438.9	300.3	463.6	273.1

a Food offered for a 3-day period due to interim sacrifice.
b Food offered for a 4-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
50 mg/kg/day (continued)	3447	491.0	349.8	435.4	307.1	457.5	284.6
	3448	481.2	323.1	440.3	303.8	469.7	290.9
	3449	489.0	299.3	429.6	261.6	459.7	241.6
	3450	541.2	379.4	451.4	307.3	464.9	270.5
	3451	524.0	370.1	443.9	299.5	480.2	285.0
	3452	502.1	306.9	426.2	266.8	460.4	250.3
	3453	484.1	331.7	425.2	300.3	476.7	303.5
	3454	437.6	245.2	430.4	255.8	456.1	271.3
	3455	496.1	342.1	435.7	298.6	466.5	280.1
	3456	482.5	309.6	438.5	285.6	470.2	264.7
	3457	459.1	308.7	438.1	299.0	459.1	265.5
	3458	468.9	259.9	431.7	252.9	448.2	215.5
	3459	494.7	350.8	433.0	307.0	461.2	291.1
	3460	541.2	368.5	436.8	277.4	454.0	281.7
150 mg/kg/day	3461	454.1	372.8[a]	ISAC	na	na	na
	3462	474.7	399.9[a]	ISAC	na	na	na
	3463	531.7	437.2[b]	ISAC	na	na	na
	3464	467.7	389.4[b]	ISAC	na	na	na
	3465	550.6	454.4[b]	ISAC	na	na	na
	3466	459.7	389.3[a]	ISAC	na	na	na
	3467	509.9	423.2[a]	ISAC	na	na	na
	3468	493.9	370.8[b]	ISAC	na	na	na
	3469	483.6	426.3[a]	ISAC	na	na	na
	3470	526.2	458.3[a]	ISAC	na	na	na
	3471	580.1	439.7	433.6	308.4	474.3	287.3
	3472	500.9	340.4	435.3	283.9	467.7	257.7
	3473	503.2	317.8	439.7	288.9	456.9	252.6
	3474	477.5	370.8	444.3	297.2	456.7	261.9
	3475	485.3	327.3	444.0	350.5	467.9	307.3
	3476	454.3	301.8	437.0	329.9	462.9	300.4
	3477	474.5	289.9	439.9	279.8	470.1	257.8
	3478	457.2	284.4	439.9	293.9	468.6	268.2
	3479	474.2	306.7	437.1	284.5	464.8	304.3
	3480	490.9	371.7	438.2	352.5	460.2	232.5
	3481	458.5	290.4	438.9	284.3	451.1	234.7
	3482	491.7	313.0	437.5	269.6	463.6	241.8
	3483	516.2	349.8	437.3	284.8	441.6	237.6
	3484	572.4	404.9	458.8	307.2	471.3	282.3
	3485	525.0	409.9	439.3	321.4	462.4	267.1
	3486	504.7	366.9	443.4	295.8	460.7	288.4
	3487	512.1	398.8	441.1	427.2	474.3	276.7
	3488	495.4	332.3	439.9	267.8	462.0	242.6
	3489	502.5	351.4	436.2	295.7	464.6	261.0
	3490	461.2	334.5	433.9	294.6	473.0	274.1

[a] Food offered for a 3-day period due to interim sacrifice.
[b] Food offered for a 4-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
450 mg/kg/day	3491	492.3	430.2[a]	ISAC	na	na	na
	3492	487.9	397.6[b]	ISAC	na	na	na
	3493	591.2	521.6[a]	ISAC	na	na	na
	3494	480.3	383.6[b]	ISAC	na	na	na
	3495	518.4	421.9[b]	ISAC	na	na	na
	3496	566.4	481.9[b]	ISAC	na	na	na
	3497	575.6	487.4[b]	ISAC	na	na	na
	3498	496.3	408.2[b]	ISAC	na	na	na
	3499	497.8	403.7[b]	ISAC	na	na	na
	3500	567.4	493.0	ISAC	na	na	na
	3501	519.8	368.8	435.0	306.3	465.7	267.4
	3502	558.8	423.4	440.9	313.5	470.6	296.0
	3503	499.4	339.9	437.3	292.6	472.2	300.2
	3504	na	na	na	na	na	na
	3505	465.9	360.5	438.2	278.1	467.9	245.0
	3506	494.3	351.8	445.5	326.9	467.9	298.2
	3507	467.8	376.8	444.9	274.5	471.3	242.7
	3508	495.7	445.0	445.0	264.9	464.0	231.8
	3509	471.0	309.3	436.0	301.9	472.3	274.8
	3510	524.0	311.4	438.9	407.8	559.3	425.5
	3511	524.6	386.1	456.6	278.7	476.5	253.2
	3512	504.6	344.8	438.3	312.3	473.8	286.8
	3513	481.3	360.9	437.4	310.4	473.5	281.8
	3514	568.1	343.4	438.6	312.5	479.9	265.5
	3515	497.8	421.9	437.4	338.9	478.3	260.7
	3516	570.6	388.3	438.3	313.3	484.7	302.6
	3517	517.6	432.4	437.3	305.7	469.7	268.7
	3518	551.3	358.4	440.4	302.7	473.3	278.5
	3519	553.0	393.6	443.6	338.6	499.3	350.1
	3520	449.6	335.5	439.0	321.6	485.1	311.5

[a] Food offered for a 3-day period due to interim sacrifice.
[b] Food offered for a 3-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
0 mg/kg/day	3401	na	na	na	na	na	na	na	na
	3402	na	na	na	na	na	na	na	na
	3403	na	na	na	na	na	na	na	na
	3404	na	na	na	na	na	na	na	na
	3405	na	na	na	na	na	na	na	na
	3406	na	na	na	na	na	na	na	na
	3407	na	na	na	na	na	na	na	na
	3408	na	na	na	na	na	na	na	na
	3409	na	na	na	na	na	na	na	na
	3410	na	na	na	na	na	na	na	na
	3411	465.6	268.9	480.0	279.0	493.7	299.9	487.0	339.5
	3412	452.7	260.5	480.2	284.7	487.2	303.2	477.5	321.4
	3413	481.0	290.8	474.3	289.0	486.0	284.7	488.1	353.0
	3414	472.1	288.5	487.3	303.5	490.0	306.3	487.4	328.9
	3415	477.3	284.6	481.4	279.6	496.9	292.4	487.0	334.8
	3416	453.4	284.2	485.5	286.6	500.1	335.1	500.4	347.8
	3417	453.6	266.2	476.0	272.1	496.6	296.6	490.4	308.9
	3418	502.8	334.8	486.6	319.4	487.0	319.6	488.2	349.5
	3419	463.8	279.5	477.9	277.4	487.4	292.2	483.8	358.1
	3420	491.4	356.4	485.9	337.0	483.3	341.2	488.8	362.8
	3421	462.9	249.1	476.0	244.9	499.3	295.3	489.2	324.5
	3422	472.8	252.0	488.4	263.4	499.5	292.6	490.3	325.6
	3423	475.9	294.9	473.5	296.7	489.6	314.8	476.8	319.1
	3424	471.5	292.4	495.9	312.4	496.8	318.9	490.6	336.0
	3425	451.1	284.6	482.2	304.4	496.7	303.6	502.6	342.0
	3426	487.8	323.5	492.8	334.9	490.7	326.5	481.2	312.7
	3427	477.3	300.8	478.7	293.3	496.9	315.9	486.9	323.6
	3428	474.4	318.9	481.6	307.9	521.1	333.5	480.6	322.1
	3429	481.6	304.6	483.6	304.1	491.7	306.4	490.5	320.2
	3430	472.3	322.6	485.9	330.2	481.8	286.7	484.5	309.4
50 mg/kg/day	3431	na	na	na	na	na	na	na	na
	3432	na	na	na	na	na	na	na	na
	3433	na	na	na	na	na	na	na	na
	3434	na	na	na	na	na	na	na	na
	3435	na	na	na	na	na	na	na	na
	3436	na	na	na	na	na	na	na	na
	3437	na	na	na	na	na	na	na	na
	3438	na	na	na	na	na	na	na	na
	3439	na	na	na	na	na	na	na	na
	3440	na	na	na	na	na	na	na	na
	3441	464.9	312.1	487.1	342.1	486.4	346.8	486.0	359.5
	3442	463.2	274.6	494.9	310.9	479.3	283.5	484.4	317.2
	3443	472.4	300.4	493.4	355.4	495.6	347.0	489.9	368.8
	3444	466.7	281.4	480.3	318.5	486.0	314.0	496.0	356.3
	3445	503.9	320.2	498.6	324.3	495.0	331.0	489.1	362.1
	3446	487.8	316.1	488.9	337.4	497.3	344.2	487.6	367.3

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
50 mg/kg/day	3447	468.0	309.5	490.2	332.1	491.6	336.5	484.7	361.8
(continued)	3448	500.6	349.8	494.4	355.9	506.3	357.4	486.4	384.2
	3449	459.1	275.0	486.5	302.4	478.3	397.3	484.4	351.4
	3450	478.2	295.4	485.5	286.3	487.3	305.9	487.3	324.8
	3451	486.5	313.7	492.9	325.8	481.8	318.1	507.8	354.1
	3452	434.7	260.9	481.1	299.7	485.4	303.4	488.1	316.2
	3453	488.2	331.4	482.4	322.7	482.4	320.5	482.5	362.8
	3454	459.2	274.6	484.8	309.0	485.1	316.2	482.9	319.9
	3455	463.3	300.2	496.4	329.0	472.8	307.9	488.9	345.0
	3456	462.5	284.0	485.6	309.1	491.7	323.4	484.1	336.0
	3457	465.7	307.8	488.6	325.0	484.2	336.3	498.6	359.8
	3458	472.8	273.8	480.1	292.6	475.3	287.5	491.0	316.2
	3459	470.4	320.8	485.1	351.2	499.2	343.3	488.3	342.9
	3460	449.9	283.7	484.2	304.0	477.1	280.9	484.2	315.8
150 mg/kg/day	3461	na	na	na	na	na	na	na	na
	3462	na	na	na	na	na	na	na	na
	3463	na	na	na	na	na	na	na	na
	3464	na	na	na	na	na	na	na	na
	3465	na	na	na	na	na	na	na	na
	3466	na	na	na	na	na	na	na	na
	3467	na	na	na	na	na	na	na	na
	3468	na	na	na	na	na	na	na	na
	3469	na	na	na	na	na	na	na	na
	3470	na	na	na	na	na	na	na	na
	3471	464.9	298.3	480.2	314.6	486.9	320.6	481.4	372.4
	3472	424.7	243.2	482.9	307.5	489.9	319.2	492.8	341.4
	3473	427.9	256.5	489.1	310.0	491.9	321.6	484.2	337.0
	3474	440.4	266.5	498.7	324.4	491.2	322.4	497.7	360.5
	3475	437.9	243.4	496.8	300.7	496.5	302.5	490.2	352.6
	3476	435.9	290.8	488.4	349.5	484.9	347.5	481.5	399.7
	3477	435.2	248.5	493.1	339.3	486.1	328.3	487.2	372.6
	3478	442.4	257.1	482.7	308.0	490.4	325.8	480.4	338.6
	3479	435.4	283.1	501.5	321.0	484.1	303.4	485.7	360.1
	3480	433.7	250.9	491.6	323.5	485.5	319.5	477.4	357.5
	3481	434.6	251.1	490.5	307.8	487.6	306.3	486.0	377.7
	3482	436.6	239.2	484.6	281.9	479.6	294.1	483.3	325.3
	3483	431.5	255.4	497.2	325.7	485.5	318.0	487.4	333.8
	3484	447.9	291.4	494.5	318.7	493.9	317.5	484.2	333.4
	3485	433.8	248.2	495.4	322.7	489.2	316.1	487.3	374.5
	3486	432.9	307.3	482.0	344.7	485.2	320.1	484.8	409.7
	3487	433.7	242.6	492.3	324.2	488.9	318.3	485.1	336.3
	3488	439.7	238.8	485.6	300.5	479.4	298.9	485.8	334.2
	3489	437.6	266.4	484.7	322.0	484.9	297.6	480.0	351.9
	3490	434.5	266.0	489.5	324.4	493.8	334.9	490.7	360.4

Study No. 5221.07

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE FOOD CONSUMPTION DATA (g)

[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
450 mg/kg/day	3491	na	na	na	na	na	na	na	na
	3492	na	na	na	na	na	na	na	na
	3493	na	na	na	na	na	na	na	na
	3494	na	na	na	na	na	na	na	na
	3495	na	na	na	na	na	na	na	na
	3496	na	na	na	na	na	na	na	na
	3497	na	na	na	na	na	na	na	na
	3498	na	na	na	na	na	na	na	na
	3499	na	na	na	na	na	na	na	na
	3500	na	na	na	na	na	na	na	na
	3501	440.2	263.3	499.7	353.5	476.3	309.1	482.3	367.2
	3502	467.3	311.6	487.5	356.0	476.7	321.7	480.9	359.6
	3503	435.1	275.6	497.2	327.4	489.9	314.2	484.9	332.8
	3504	na	na	na	na	na	na	na	na
	3505	436.9	244.7	482.3	311.2	484.7	301.6	483.2	311.9
	3506	442.2	290.1	488.0	348.6	485.9	340.8	477.1	377.6
	3507	445.0	234.2	488.4	284.5	490.8	301.6	481.3	301.9
	3508	437.7	239.8	491.5	307.1	490.5	298.1	492.3	309.7
	3509	444.7	250.6	499.8	311.2	491.0	297.6	480.7	332.0
	3510	474.9	304.1	488.2	282.6	485.7	282.6	521.2	311.2
	3511	493.9	300.7	493.9	346.3	499.5	343.1	484.2	338.6
	3512	439.6	270.0	487.8	334.6	478.5	328.9	478.8	336.0
	3513	442.0	261.3	481.1	348.7	481.4	337.9	486.2	350.6
	3514	437.6	275.6	488.8	254.2	522.4	332.2	479.1	330.6
	3515	439.1	235.9	488.8	305.3	478.0	285.2	475.5	321.3
	3516	447.4	294.8	492.6	336.3	483.0	323.9	484.8	354.7
	3517	441.9	289.3	492.7	323.3	494.1	320.1	502.4	364.0
	3518	444.2	269.8	487.8	323.3	488.4	319.1	484.7	334.7
	3519	463.6	318.4	502.4	333.0	482.3	334.9	482.9	348.4
	3520	439.3	292.2	487.8	347.9	498.0	333.8	481.7	355.0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3401	31.1	31.9	31.7	31.5	30.7	28.7	28.1
	3402	25.8	24.7	25.1	24.8	24.0	25.5	23.3
	3403	27.2	29.6	28.7	28.6	27.3	25.6	24.2
	3404	26.2	25.4	27.6	26.2	25.7	22.5	24.5
	3405	25.0	27.1	29.1	24.4	24.1	23.8	24.3
	3406	26.1	25.4	24.7	24.5	22.4	22.6	20.4
	3407	24.5	24.5	29.1	27.0	25.5	24.1	26.2
	3408	25.9	27.7	27.3	26.3	24.2	24.1	22.8
	3409	26.4	27.2	26.5	25.8	25.0	24.1	22.3
	3410	29.0	30.8	31.3	30.8	27.5	27.1	27.7
	3411	30.3	31.4	27.7	31.7	30.1	28.2	26.8
	3412	28.6	32.4	31.9	29.5	28.4	26.8	27.1
	3413	26.8	28.2	27.3	27.5	27.6	25.6	25.3
	3414	25.7	26.1	27.2	29.0	27.9	27.7	26.2
	3415	27.2	28.6	29.3	29.0	28.3	27.7	26.1
	3416	24.9	24.3	24.3	25.7	25.6	25.3	23.1
	3417	30.1	31.9	28.1	30.3	27.4	28.7	27.5
	3418	23.8	26.1	25.6	25.8	26.1	25.2	23.6
	3419	27.7	28.5	29.4	29.1	25.6	25.0	24.3
	3420	24.3	23.4	24.3	24.8	19.9	24.4	19.5
	3421	32.4	32.8	29.6	35.0	28.1	32.3	30.8
	3422	31.2	33.1	32.2	36.7	31.4	36.7	33.9
	3423	26.8	27.6	27.7	21.7	23.0	27.5	23.3
	3424	27.8	28.5	27.3	28.8	26.9	24.5	24.5
	3425	26.2	32.8	26.4	30.1	38.3	28.9	22.8
	3426	24.7	24.7	25.9	28.4	23.7	22.5	21.3
	3427	26.3	29.4	26.9	27.5	25.3	23.9	24.4
	3428	26.5	27.9	24.9	25.1	24.5	21.0	23.1
	3429	32.6	29.5	27.8	30.6	31.0	27.8	23.7
	3430	30.3	32.2	27.8	32.5	28.9	28.9	24.7
50 mg/kg/day	3431	28.6	28.0	24.2	34.6	27.3	27.6	26.6
	3432	26.4	30.0	31.6	18.7	26.5	29.7	26.9
	3433	25.7	26.6	28.6	16.3	21.4	21.7	27.6
	3434	25.1	24.0	26.1	29.1	12.6	29.5	23.7
	3435	24.4	23.9	26.6	30.7	8.4	20.4	na
	3436	27.1	25.6	24.5	24.9	20.9	23.9	23.8
	3437	28.6	28.4	24.1	26.1	23.0	29.0	27.5
	3438	24.8	27.4	30.7	30.3	17.4	25.5	25.4
	3439	25.8	24.6	21.4	20.7	21.8	25.2	24.0
	3440	23.2	24.0	33.6	24.8	20.6	25.1	24.1
	3441	24.3	23.2	21.9	26.1	20.0	19.5	19.3
	3442	26.1	27.3	34.6	38.0	23.4	20.0	23.5
	3443	25.0	26.2	27.2	31.9	18.8	24.9	25.1
	3444	30.3	21.4	26.7	25.6	16.2	26.0	25.6
	3445	14.2	21.4	27.8	20.9	24.8	24.7	23.1
	3446	0.1	25.0	26.0	27.0	19.1	27.2	22.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day	3447	21.5	18.8	34.2	20.0	30.8	22.1	20.2
(continued)	3448	23.4	24.2	23.9	24.2	33.7	24.8	22.6
	3449	44.5	27.6	27.4	28.4	35.4	29.4	27.1
	3450	5.5	26.2	25.0	26.0	29.4	24.4	23.1
	3451	29.3	26.6	25.0	27.2	31.7	17.2	22.0
	3452	15.7	27.9	26.9	29.4	39.3	27.2	27.9
	3453	21.3	27.0	25.8	25.2	30.9	18.1	21.8
	3454	*	28.6	24.8	27.1	31.5	19.1	27.5
	3455	33.6	26.1	25.8	26.0	25.2	26.1	22.0
	3456	2.7	25.5	25.8	26.6	21.8	24.5	24.7
	3457	23.3	24.4	22.4	25.0	24.4	20.0	21.5
	3458	28.9	29.9	27.2	33.2	23.2	26.0	29.9
	3459	25.7	25.1	23.7	24.7	35.8	25.0	20.6
	3460	27.0	27.1	29.1	26.7	26.6	24.5	24.7
150 mg/kg/day	3461	25.7	29.6	28.4	7.7	22.9	18.4	27.1
	3462	24.4	28.7	23.1	40.7	18.2	27.3	24.9
	3463	25.8	27.7	24.3	41.1	28.1	21.6	23.6
	3464	23.5	25.6	22.2	23.8	38.0	14.3	19.6
	3465	28.3	35.1	27.0	23.3	41.1	23.0	24.1
	3466	27.7	28.9	26.1	24.2	41.5	20.1	23.5
	3467	28.4	29.7	28.3	31.5	40.0	20.4	28.9
	3468	27.0	28.3	21.0	7.3	32.7	14.6	30.8
	3469	23.8	25.6	25.2	37.5	24.3	17.9	19.1
	3470	28.0	30.1	18.4	26.3	23.5	29.7	22.6
	3471	24.4	22.4	22.0	19.5	33.8	11.9	20.1
	3472	26.2	30.7	22.7	27.5	26.1	22.4	22.9
	3473	25.2	25.9	22.0	28.8	29.1	16.3	26.5
	3474	24.1	25.1	27.5	27.6	42.6	18.8	15.2
	3475	28.8	30.0	22.4	31.3	23.5	15.8	22.6
	3476	20.6	21.2	18.5	20.4	25.1	11.9	21.8
	3477	30.4	29.1	9.2	27.6	32.1	16.0	26.4
	3478	26.5	26.6	27.0	25.6	34.2	16.5	24.7
	3479	34.0	29.1	27.2	27.5	24.0	22.7	23.9
	3480	27.9	27.5	26.8	26.8	29.4	14.4	17.0
	3481	22.5	28.7	25.1	23.3	29.8	16.1	24.0
	3482	28.8	29.6	25.1	27.9	35.8	27.6	25.5
	3483	27.1	29.0	26.9	28.5	36.5	20.5	23.8
	3484	23.3	25.1	32.9	25.2	22.3	21.4	23.9
	3485	23.4	25.9	26.0	26.6	33.2	19.2	16.4
	3486	24.3	17.5	25.5	22.9	26.9	22.4	19.7
	3487	26.5	25.9	24.5	23.5	32.6	21.3	16.2
	3488	27.2	28.8	27.8	28.2	28.3	21.2	23.3
	3489	29.4	28.0	20.7	27.4	31.4	17.5	21.6
	3490	25.9	27.7	28.4	17.2	15.2	23.0	18.1

* Invalid food consumption value.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3491	20.8	23.3	23.7	20.5	34.5	10.3	20.7
	3492	24.3	26.9	23.3	24.2	28.1	9.5	22.6
	3493	24.8	29.2	21.8	23.5	23.0	23.8	23.2
	3494	25.5	30.4	24.2	28.5	28.1	27.1	24.2
	3495	26.7	30.8	26.1	28.5	28.0	26.8	24.1
	3496	20.7	22.1	20.1	19.5	21.8	21.4	21.1
	3497	24.6	27.3	23.6	28.4	28.2	27.0	22.1
	3498	22.7	26.5	20.3	24.8	25.4	24.1	22.0
	3499	28.4	29.1	26.3	28.9	27.3	27.1	23.5
	3500	24.9	28.5	20.4	27.3	26.1	26.0	24.8
	3501	24.6	27.1	30.1	22.0	23.0	23.0	21.6
	3502	20.4	24.8	19.5	21.4	21.3	20.3	19.3
	3503	22.6	27.7	21.6	23.2	26.4	24.6	22.8
	3504	dead	-	-	-	-	-	-
	3505	26.4	31.5	24.6	26.0	27.5	25.5	15.1
	3506	20.0	22.0	22.8	21.4	21.4	21.8	20.4
	3507	26.5	27.9	29.7	28.2	28.4	28.4	13.0
	3508	27.0	25.5	25.6	10.6	27.0	31.6	7.2
	3509	25.0	26.6	29.2	27.9	25.1	22.4	23.1
	3510	23.8	26.9	27.8	29.3	25.9	30.6	30.4
	3511	25.0	26.1	26.4	22.1	26.0	26.4	19.8
	3512	23.3	22.5	20.9	20.8	22.5	23.1	22.8
	3513	21.4	23.4	19.8	9.2	25.9	20.1	17.2
	3514	19.4	22.1	19.8	23.5	25.3	23.1	32.1
	3515	22.4	24.2	23.9	25.4	25.1	21.8	10.8
	3516	17.9	19.9	21.3	18.0	20.6	18.8	26.0
	3517	22.2	22.6	32.2	24.2	28.8	25.1	12.2
	3518	22.6	24.5	24.7	6.6	29.2	22.8	27.6
	3519	20.6	23.8	22.1	19.0	18.3	19.1	22.8
	3520	19.9	19.2	20.0	19.4	19.9	19.1	16.3

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
0 mg/kg/day	3401	na	na	na	na	na	na
	3402	na	na	na	na	na	na
	3403	na	na	na	na	na	na
	3404	na	na	na	na	na	na
	3405	na	na	na	na	na	na
	3406	na	na	na	na	na	na
	3407	na	na	na	na	na	na
	3408	na	na	na	na	na	na
	3409	na	na	na	na	na	na
	3410	na	na	na	na	na	na
	3411	26.0	27.6	28.1	28.7	27.7	21.1
	3412	28.8	29.5	27.5	27.9	26.3	22.3
	3413	26.0	28.3	27.2	26.5	28.8	19.3
	3414	28.8	26.7	26.2	26.3	26.2	22.6
	3415	22.1	27.4	27.5	28.8	29.2	21.7
	3416	25.5	25.7	24.2	28.4	23.6	21.8
	3417	29.6	29.2	26.8	29.1	28.6	25.9
	3418	23.1	24.9	24.0	23.9	23.9	19.8
	3419	26.7	27.2	26.3	28.6	27.9	18.0
	3420	19.8	20.9	19.3	21.3	20.3	18.0
	3421	31.8	30.0	30.5	33.0	29.1	23.5
	3422	31.0	32.0	31.5	32.1	29.6	23.5
	3423	26.6	25.5	25.9	25.3	25.0	22.5
	3424	26.3	26.9	25.6	26.2	25.4	22.1
	3425	25.0	24.7	23.8	25.4	27.6	22.9
	3426	22.1	19.6	23.5	22.6	23.5	24.1
	3427	24.0	25.3	25.2	26.5	25.9	23.3
	3428	24.4	24.5	22.2	24.8	26.8	22.6
	3429	24.6	25.0	25.3	25.6	26.5	24.3
	3430	27.4	29.8	21.4	22.2	27.9	25.0
50 mg/kg/day	3431	na	na	na	na	na	na
	3432	na	na	na	na	na	na
	3433	na	na	na	na	na	na
	3434	na	na	na	na	na	na
	3435	na	na	na	na	na	na
	3436	na	na	na	na	na	na
	3437	na	na	na	na	na	na
	3438	na	na	na	na	na	na
	3439	na	na	na	na	na	na
	3440	na	na	na	na	na	na
	3441	19.6	22.4	21.8	20.7	19.9	18.1
	3442	27.0	28.9	26.9	26.3	28.0	23.9
	3443	26.2	25.1	24.6	19.7	21.2	17.3
	3444	25.6	26.7	26.5	23.1	24.6	20.0
	3445	23.4	23.0	26.2	24.9	23.4	18.1
	3446	23.1	23.8	24.5	21.6	21.9	17.2

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
50 mg/kg/day (continued)	3447	21.4	21.6	22.6	22.6	22.2	17.6
	3448	22.8	22.4	21.5	19.8	21.3	14.6
	3449	28.0	27.3	26.3	26.3	11.6	19.0
	3450	24.0	24.3	26.1	28.5	25.9	23.2
	3451	24.1	24.4	24.7	23.9	23.4	22.0
	3452	26.6	26.3	24.8	25.9	26.0	24.6
	3453	20.8	21.7	22.4	22.8	23.1	17.1
	3454	29.1	23.1	26.4	25.1	24.1	23.3
	3455	22.8	23.3	23.3	23.9	23.6	20.6
	3456	25.5	25.7	25.5	25.2	24.0	21.2
	3457	23.2	24.2	22.6	23.4	21.1	19.8
	3458	29.8	29.1	28.4	26.8	26.8	25.0
	3459	21.0	21.3	21.4	19.1	22.3	20.8
	3460	26.6	21.5	23.7	25.7	28.0	24.1
150 mg/kg/day	3461	na	na	na	na	na	na
	3462	na	na	na	na	na	na
	3463	na	na	na	na	na	na
	3464	na	na	na	na	na	na
	3465	na	na	na	na	na	na
	3466	na	na	na	na	na	na
	3467	na	na	na	na	na	na
	3468	na	na	na	na	na	na
	3469	na	na	na	na	na	na
	3470	na	na	na	na	na	na
	3471	20.9	23.4	23.8	23.7	23.8	15.6
	3472	25.2	26.3	25.9	25.1	24.4	21.6
	3473	25.1	25.5	24.5	25.6	24.3	21.0
	3474	24.5	24.4	24.8	24.9	24.1	19.6
	3475	15.6	20.1	27.8	28.0	27.7	19.7
	3476	17.9	20.3	20.7	19.8	19.6	11.7
	3477	26.7	26.5	26.7	22.0	22.5	16.4
	3478	24.3	25.1	26.5	25.0	23.5	20.3
	3479	25.4	20.1	21.8	25.8	25.8	17.9
	3480	14.3	28.5	26.1	24.0	23.7	17.1
	3481	25.8	27.1	26.2	26.1	25.9	15.5
	3482	28.0	27.7	28.2	29.0	26.5	22.6
	3483	25.4	25.5	25.2	24.5	23.9	21.9
	3484	25.3	23.6	22.4	25.1	25.2	21.5
	3485	19.7	24.4	26.5	24.7	24.7	16.1
	3486	24.6	21.5	17.9	19.6	23.6	10.7
	3487	2.3	24.7	27.3	24.0	24.4	21.3
	3488	28.7	27.4	28.7	26.4	25.8	21.7
	3489	23.4	25.5	24.5	23.2	26.8	18.3
	3490	23.2	24.9	24.1	23.6	22.7	18.6

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
450 mg/kg/day	3491	na	na	na	na	na	na
	3492	na	na	na	na	na	na
	3493	na	na	na	na	na	na
	3494	na	na	na	na	na	na
	3495	na	na	na	na	na	na
	3496	na	na	na	na	na	na
	3497	na	na	na	na	na	na
	3498	na	na	na	na	na	na
	3499	na	na	na	na	na	na
	3500	na	na	na	na	na	na
	3501	21.5	24.8	25.3	20.9	23.9	16.4
	3502	21.2	21.8	22.2	18.8	22.1	17.3
	3503	24.1	21.5	22.8	24.3	25.1	21.7
	3504	na	na	na	na	na	na
	3505	26.7	27.9	27.5	24.4	26.2	24.5
	3506	19.8	21.2	21.7	19.9	20.7	14.2
	3507	28.4	28.6	30.1	29.1	27.0	25.6
	3508	30.0	29.0	28.3	26.3	27.5	26.1
	3509	22.4	24.7	27.7	26.9	27.6	21.2
	3510	5.2	16.7	24.4	29.4	29.0	30.0
	3511	29.7	27.9	27.6	21.1	22.3	20.8
	3512	21.0	23.4	24.2	21.9	21.4	20.4
	3513	21.2	24.0	25.8	18.9	20.5	19.4
	3514	21.0	26.8	23.1	33.5	27.2	21.2
	3515	16.4	27.2	29.0	26.2	27.5	22.0
	3516	20.8	22.8	21.8	22.3	22.7	18.6
	3517	21.9	25.1	21.8	24.2	24.9	19.8
	3518	23.0	24.4	24.9	23.5	24.2	21.4
	3519	17.5	18.7	20.7	24.2	21.1	19.2
	3520	19.6	21.7	21.0	20.0	23.5	18.1

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
0 mg/kg/day	3531	665.1	528.6	574.6	442.8	442.8	304.1
	3532	662.8	539.0	569.4	448.6	448.6	321.0
	3533	619.8	499.3	534.4	414.1	472.1	363.9
	3534	621.1	486.5	539.4	409.3	464.5	321.9
	3535	579.7	460.9	515.7	402.6	471.9	357.1
	3536	616.5	503.4	559.4	445.6	445.6	344.6
	3537	620.7	505.7	548.1	441.7	441.7	306.8
	3538	627.3	505.3	538.7	410.9	471.8	349.2
	3539	608.6	470.0	522.8	382.8	476.9	336.7
	3540	500.4	357.9	427.0	208.5	418.0	200.9
	3541	657.9	543.4	595.0	469.8	469.8	353.3
	3542	643.3	518.7	538.8	409.8	509.5	377.1
	3543	616.8	513.0	559.7	453.9	453.9	350.8
	3544	571.2	455.1	506.6	395.3	481.1	376.8
	3545	584.0	445.5	493.4	373.9	443.7	331.3
	3546	630.8	515.5	564.0	452.1	452.1	337.0
	3547	631.8	513.7	542.5	430.6	430.6	312.0
	3548	586.8	474.7	509.6	401.8	479.8	299.8
	3549	625.2	503.6	544.9	420.5	420.5	297.9
	3550	621.8	486.7	556.1	421.6	500.0	384.3
	3551	587.8	482.3	548.4	443.8	443.8	339.6
	3552	568.8	441.7	496.8	409.6	514.4	385.9
	3553	586.4	444.5	482.7	374.8	488.2	353.9
	3554	556.8	440.7	488.2	354.1	459.5	342.4
	3555	673.0	561.9	610.0	499.0	499.0	393.7
	3556	595.0	464.7	536.9	403.4	468.8	333.9
	3557	576.2	445.8	527.5	399.1	466.5	345.5
	3558	616.8	477.7	553.0	416.9	491.6	363.5
	3559	627.4	510.5	567.2	454.7	454.7	347.9
	3560	619.9	491.1	562.3	447.9	484.1	374.0
50 mg/kg/day	3561	627.8	510.0	518.4	403.5	482.9	337.5
	3562	616.2	506.9	531.9	418.2	538.1	428.1
	3563	653.2	542.3	557.3	442.9	442.9	403.2
	3564	613.9	494.1	530.8	401.9	463.3	347.7
	3565	662.9	530.3	555.1	412.2	498.9	280.6
	3566	668.7	548.6	575.8	465.9	465.9	359.9
	3567	636.7	505.1	563.7	425.5	489.2	375.2
	3568	611.8	487.9	560.5	444.7	500.1	413.2
	3569	653.6	540.7	565.7	459.9	459.9	375.6
	3570	611.3	501.9	536.3	415.5	456.0	387.0
	3571	630.2	496.3	536.4	406.3	464.5	361.4
	3572	636.2	513.8	534.1	413.2	484.3	388.4
	3573	615.6	490.0	558.5	419.5	500.5	411.2
	3574	614.3	499.7	558.7	446.7	467.4	407.3
	3575	660.4	544.6	591.8	411.6	497.5	411.1
	3576	651.1	519.0	538.0	479.7	536.9	367.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
50 mg/kg/day (continued)	3577	674.9	560.6	607.6	459.3	459.3	411.3
	3578	655.1	538.4	566.1	459.9	459.9	401.2
	3579	609.3	480.2	518.9	390.4	487.9	353.1
	3580	633.4	503.0	556.9	431.0	431.0	319.9
	3581	644.2	498.4	545.9	293.1	492.4	268.5
	3582	625.9	512.8	568.9	464.5	464.5	363.5
	3583	651.4	547.6	588.2	462.7	462.7	356.6
	3584	607.8	480.1	534.4	392.1	428.2	268.1
	3585	592.9	475.6	543.4	417.6	476.6	356.4
	3586	631.4	520.5	566.0	461.2	522.6	394.8
	3587	650.6	512.5	555.7	426.1	499.5	276.9
	3588	660.0	535.7	571.9	449.4	523.7	393.5
	3589	652.3	529.8	585.4	441.8	557.5	435.2
	3590	630.5	557.2	597.9	479.8	524.9	416.6
150 mg/kg/day	3591	415.2	299.3	429.4	313.1	446.1	324.9
	3592	500.4	363.4	452.8	319.1	457.1	310.9
	3593	407.5	274.8	398.6	276.5	404.9	275.2
	3594	438.1	306.6	430.6	294.1	437.1	308.1
	3595	410.7	307.3	390.6	273.0	492.4	383.3
	3596	496.6	370.3	483.9	348.1	488.2	359.4
	3597	508.2	385.2	508.8	394.7	517.5	412.6
	3598	441.7	332.8	471.9	357.4	493.9	377.4
	3599	545.4	449.9	578.1	474.2	474.2	372.1
	3600	412.9	300.5	407.6	286.6	416.7	288.9
	3601	576.4	457.0	534.6	412.0	531.7	409.5
	3602	450.1	330.9	459.9	326.7	458.8	333.1
	3603	469.3	357.3	473.6	347.3	443.9	343.7
	3604	509.4	405.7	513.1	413.2	523.5	422.1
	3605	415.5	295.6	434.3	310.2	437.3	315.7
	3606	400.8	277.6	418.9	300.6	471.4	342.2
	3607	592.5	483.6	525.7	424.8	566.6	459.0
	3608	499.5	397.7	472.0	339.0	461.6	356.4
	3609	485.5	380.6	478.4	366.2	437.3	394.5
	3610	479.4	339.2	418.5	300.6	471.4	269.7
	3611	432.9	309.0	440.3	313.3	469.0	343.8
	3612	460.3	337.8	467.9	349.0	476.1	357.7
	3613	406.3	288.4	385.1	269.1	434.3	310.9
	3614	430.2	318.5	421.1	316.2	455.7	345.8
	3615	419.5	306.7	428.5	328.3	476.3	374.0
	3616	393.5	272.8	390.4	270.9	472.5	352.1
	3617	458.6	344.5	433.5	316.9	468.9	356.8
	3618	424.7	316.0	409.5	305.2	428.5	329.1
	3619	440.1	328.0	431.0	318.7	451.3	324.5
	3620	447.6	323.2	408.3	279.4	441.2	327.9

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 1	old 1	new 2	old 2	new 3	old 3
450 mg/kg/day	3621	454.7	328.9	564.3	443.0	443.6	319.3
	3622	434.9	333.6	581.2	482.8	482.8	396.0
	3623	491.5	392.1	506.1	390.0	428.6	329.7
	3624	498.5	386.5	500.3	383.5	436.8	325.8
	3625	456.9	351.5	557.6	443.2	443.2	328.7
	3626	436.6	345.7	474.6	368.9	427.2	308.3
	3627	422.2	309.4	542.9	426.3	426.3	315.4
	3628	461.4	350.6	496.4	355.2	437.8	323.6
	3629	506.0	413.0	557.9	449.6	449.6	345.6
	3630	454.2	354.4	567.4	466.2	466.2	373.5
	3631	510.0	414.4	449.6	350.4	445.9	228.2
	3632	437.1	313.6	547.2	433.6	485.3	281.1
	3633	482.9	391.2	463.2	371.9	412.2	304.5
	3634	518.7	404.9	450.4	342.2	438.9	259.5
	3635	445.5	336.4	533.2	421.9	449.8	374.9
	3636	473.0	361.0	490.3	370.2	454.4	340.2
	3637	468.9	362.7	438.2	328.7	428.4	337.2
	3638	456.6	352.9	512.8	409.3	426.2	344.8
	3639	480.3	366.3	464.4	229.0	439.3	334.1
	3640	462.9	346.7	494.5	385.7	443.2	324.0
	3641	441.8	354.7	533.2	435.3	435.3	337.9
	3642	439.8	307.4	536.1	406.3	429.1	287.7
	3643	425.0	307.0	482.9	351.6	431.8	299.8
	3644	518.6	430.2	492.4	408.6	438.9	357.2
	3645	464.7	339.9	450.3	326.6	424.1	319.0
	3646	460.2	368.4	528.9	419.6	419.6	319.9
	3647	438.7	307.9	428.1	302.6	441.9	332.6
	3648	438.3	328.1	432.6	303.0	438.5	326.8
	3649	448.8	341.7	465.4	342.7	437.5	328.4
	3650	455.8	341.2	429.3	304.7	423.2	303.5

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
0 mg/kg/day	3531	485.6	351.8	426.7	290.3	463.1	318.9
	3532	493.9	377.9	454.3	338.6	454.7	338.3
	3533	478.9	380.1	457.8	361.3	450.4	351.4
	3534	426.9	298.7	467.1	339.7	441.4	309.5
	3535	439.9	310.7	427.6	325.2	437.1	321.2
	3536	424.7	326.7	432.7	345.0	426.9	320.9
	3537	432.7	352.9	463.9	364.0	446.1	342.2
	3538	451.4	326.1	431.9	305.5	454.1	334.2
	3539	426.7	306.1	476.6	331.7	434.2	310.1
	3540	494.2	326.1	490.5	359.3	452.0	300.4
	3541	469.5	348.3	450.8	318.0	442.7	313.1
	3542	444.9	319.1	435.2	320.9	429.2	305.8
	3543	474.7	363.5	455.7	357.1	468.9	360.2
	3544	469.1	353.3	461.3	320.6	421.7	312.6
	3545	470.6	352.0	444.9	340.6	430.1	316.0
	3546	386.8	367.8	497.8	395.1	434.7	308.9
	3547	461.4	334.8	439.9	320.7	428.4	308.2
	3548	425.1	302.1	424.1	302.1	424.0	294.7
	3549	463.1	342.8	439.4	354.8	433.5	303.3
	3550	465.3	334.0	485.4	372.7	446.3	331.7
	3551	449.1	332.7	452.8	329.7	421.4	303.3
	3552	514.8	393.3	439.9	313.6	434.1	317.1
	3553	473.3	331.2	453.5	343.2	452.9	326.8
	3554	468.9	354.1	485.1	364.4	436.6	322.0
	3555	499.8	386.9	459.3	348.2	437.8	332.6
	3556	497.4	363.9	444.8	329.3	433.3	316.8
	3557	506.7	384.3	472.3	349.4	424.4	292.4
	3558	469.1	346.3	495.3	371.1	438.5	312.0
	3559	467.5	361.9	473.9	382.3	432.8	335.6
	3560	495.0	373.7	461.8	345.7	424.9	320.7
50 mg/kg/day	3561	440.7	298.5	471.0	357.7	460.3	348.3
	3562	428.0	286.0	446.1	326.6	431.3	311.4
	3563	456.3	333.0	450.3	334.8	435.2	334.5
	3564	436.5	305.7	463.9	336.1	426.9	307.7
	3565	530.3	367.5	445.7	339.6	425.4	336.5
	3566	458.7	321.3	464.2	344.6	424.5	306.4
	3567	539.6	368.9	456.4	327.5	427.3	304.3
	3568	484.6	342.8	448.9	340.7	429.7	317.9
	3569	424.5	276.7	427.6	313.7	426.3	317.1
	3570	505.5	361.2	426.2	312.5	429.7	327.7
	3571	482.9	315.6	431.6	251.4	469.0	358.6
	3572	547.4	377.8	456.7	329.0	449.2	344.9
	3573	564.4	372.7	453.9	322.5	423.9	307.4
	3574	514.7	345.4	450.0	342.1	446.3	334.1
	3575	522.7	344.3	445.0	327.0	423.5	324.7
	3576	442.5	312.2	438.5	318.2	433.2	313.0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
50 mg/kg/day (continued)	3577	426.0	319.2	428.2	325.9	438.4	327.9
	3578	437.6	326.6	440.0	326.5	446.0	329.6
	3579	489.5	354.9	455.8	298.6	443.9	278.4
	3580	411.8	297.0	423.7	310.2	423.9	319.7
	3581	194.0	352.5*	454.1	332.5	429.4	329.1
	3582	546.2	442.7	442.7	343.6	438.0	342.0
	3583	474.6	362.5	428.2	330.2	443.4	349.7
	3584	434.6	294.3	437.3	294.9	424.7	273.3
	3585	472.8	351.4	460.8	345.0	433.7	326.3
	3586	462.5	352.8	425.5	308.6	433.3	327.3
	3587	492.6	375.5	476.6	351.0	439.3	312.8
	3588	485.9	356.5	446.5	311.9	433.8	304.0
	3589	526.2	399.3	433.7	304.4	423.0	292.8
	3590	452.2	331.5	432.9	315.9	421.5	309.7
150 mg/kg/day	3591	430.3	291.2	442.8	324.6	401.5	277.9
	3592	449.6	306.9	440.1	332.5	414.7	286.4
	3593	429.1	283.5	442.9	367.0	426.7	315.9
	3594	443.1	293.0	439.4	317.1	422.7	293.3
	3595	464.3	319.7	456.1	352.0	421.2	297.6
	3596	465.4	325.5	444.4	333.2	425.0	304.6
	3597	500.8	370.3	489.8	383.5	435.1	323.9
	3598	455.6	325.9	433.3	331.1	423.1	317.1
	3599	598.7	477.2	477.2	382.2	454.7	346.1
	3600	444.3	301.7	479.4	371.3	456.1	339.8
	3601	548.5	416.8	519.4	408.2	427.7	305.9
	3602	490.6	336.0	461.1	343.0	409.3	280.3
	3603	449.7	322.1	458.1	358.0	421.3	316.8
	3604	482.1	355.7	506.9	408.3	443.5	341.6
	3605	500.1	372.2	459.2	343.2	421.9	299.7
	3606	516.0	378.2	471.4	354.3	427.9	308.8
	3607	520.8	395.6	478.8	372.9	429.2	314.9
	3608	423.2	280.6	436.3	323.5	408.9	286.8
	3609	432.8	279.2	412.0	302.8	408.0	292.7
	3610	407.8	233.1	444.1	319.3	414.4	284.4
	3611	474.1	334.2	428.9	323.0	404.1	290.9
	3612	491.0	356.2	489.3	377.4	412.5	267.9
	3613	427.2	298.9	436.1	342.0	403.8	280.4
	3614	500.1	360.1	443.4	346.1	402.6	289.4
	3615	570.8	425.6	425.6	336.8	413.8	302.2
	3616	457.3	325.6	439.9	341.0	402.7	299.7
	3617	449.3	308.1	450.2	334.1	442.0	286.9
	3618	430.1	316.4	431.2	336.8	404.0	306.7
	3619	434.7	271.7	440.1	300.2	414.5	260.6
	3620	477.1	328.3	429.4	324.3	413.1	294.7

* Invalid weight.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 4	old 4	new 5	old 5	new 6	old 6
450 mg/kg/day	3621	491.5	350.3	438.6	289.2	487.3	285.2
	3622	516.5	403.4	472.9	335.4	440.5	340.1
	3623	467.1	343.7	429.7	332.9	442.2	265.0
	3624	510.4	372.0	422.4	307.5	449.1	294.0
	3625	511.0	380.9	426.3	292.5	444.0	287.8
	3626	473.9	354.3	414.1	328.0	448.2	306.0
	3627	468.6	328.7	425.3	301.9	440.6	279.1
	3628	480.3	349.9	425.2	326.3	445.5	290.3
	3629	512.6	265.6	506.4	426.1	468.2	316.2
	3630	477.2	351.0	485.8	365.0	449.7	349.0
	3631	486.2	365.8	433.3	346.3	461.2	287.0
	3632	497.8	395.3	426.1	291.6	424.9	280.6
	3633	507.9	402.6	424.4	317.8	461.2	337.6
	3634	469.3	334.6	423.5	343.6	435.7	261.2
	3635	525.5	352.8	431.8	320.0	465.8	290.6
	3636	473.6	339.4	426.3	306.1	455.6	305.4
	3637	460.2	333.5	430.4	291.5	473.6	312.0
	3638	473.6	336.2	422.9	274.4	473.9	306.4
	3639	487.5	289.0	493.7	287.1	476.0	346.4
	3640	412.1	292.1	418.3	307.9	469.7	306.0
	3641	436.8	330.1	430.7	292.4	487.4	344.2
	3642	435.8	257.6	442.4	324.9	455.4	303.2
	3643	453.1	318.7	433.7	318.9	470.4	285.6
	3644	462.0	362.6	453.9	236.9	457.6	334.6
	3645	471.4	342.6	425.5	319.1	448.6	309.1
	3646	530.0	403.9	429.7	266.4	445.5	325.6
	3647	443.3	302.9	415.5	322.4	459.3	325.6
	3648	423.2	282.8	429.2	340.9	451.2	279.8
	3649	474.5	334.3	432.7	288.6	455.7	285.7
	3650	434.7	301.9	453.7	274.8	445.8	323.7

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
0 mg/kg/day	3531	487.4	375.5[b]	ISAC	na	na	na
	3532	447.5	405.9[b]	ISAC	na	na	na
	3533	484.2	418.9[a]	ISAC	na	na	na
	3534	472.6	442.7[a]	ISAC	na	na	na
	3535	474.0	406.9[b]	ISAC	na	na	na
	3536	434.8	373.7[b]	ISAC	na	na	na
	3537	494.5	379.9[b]	ISAC	na	na	na
	3538	448.0	436.5[b]	ISAC	na	na	na
	3539	402.9	344.5[a]	ISAC	na	na	na
	3540	449.2	390.9[a]	ISAC	na	na	na
	3541	435.0	320.8	437.5	322.6	422.2	282.4
	3542	450.6	316.7	438.5	337.7	461.2	319.5
	3543	420.4	316.6	444.9	358.6	458.9	335.6
	3544	412.2	316.2	449.2	353.8	479.3	361.4
	3545	390.3	288.7	449.5	345.1	452.8	323.6
	3546	461.7	344.9	467.1	365.8	451.5	353.2
	3547	493.6	378.6	435.3	318.5	442.6	307.7
	3548	454.4	334.8	434.5	326.4	449.2	300.4
	3549	494.2	380.2	432.9	327.3	443.8	298.8
	3550	439.6	330.1	430.5	332.3	455.7	330.2
	3551	485.1	386.2	440.2	298.8	455.1	325.6
	3552	475.4	367.6	430.6	320.5	445.7	298.8
	3553	463.8	337.8	425.4	310.1	444.0	286.3
	3554	461.7	347.7	424.0	321.1	445.3	298.3
	3555	472.0	381.3	427.1	334.8	445.4	325.9
	3556	462.8	352.2	427.9	320.1	444.9	303.9
	3557	448.4	327.0	427.6	325.7	489.7	338.5
	3558	462.0	349.4	422.1	309.1	457.4	313.7
	3559	483.4	400.0	439.2	357.4	481.9	374.7
	3560	442.8	345.3	434.4	345.9	451.3	331.6
50 mg/kg/day	3561	434.5	373.4[b]	ISAC	na	na	na
	3562	468.5	418.2[a]	ISAC	na	na	na
	3563	475.4	409.5[b]	ISAC	na	na	na
	3564	464.7	413.1[b]	ISAC	na	na	na
	3565	461.0	400.8[a]	ISAC	na	na	na
	3566	444.1	391.7[a]	ISAC	na	na	na
	3567	434.1	382.4[a]	ISAC	na	na	na
	3568	458.7	408.4[a]	ISAC	na	na	na
	3569	417.8	350.0[b]	ISAC	na	na	na
	3570	431.8	237.0[a]	ISAC	na	na	na
	3571	464.5	339.5	431.7	235.6	441.9	276.8
	3572	466.0	344.9	439.6	347.7	448.4	325.4
	3573	457.8	337.8	430.5	316.1	443.5	302.0
	3574	448.5	349.4	425.2	327.7	462.7	323.8
	3575	447.8	333.2	427.5	326.5	430.8	284.6
	3576	458.4	329.5	430.4	313.3	446.2	291.0

[a] Food offered for a 3-day period due to interim sacrifice.
[b] Food offered for a 4-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
50 mg/kg/day	3577	461.1	363.7	436.6	348.4	462.2	337.9
(continued)	3578	484.3	374.8	427.7	327.6	466.0	335.8
	3579	455.3	302.2	429.2	339.5	468.7	329.8
	3580	420.7	325.1	428.1	345.2	452.1	338.8
	3581	427.1	347.1	423.1	344.9	449.9	340.7
	3582	484.5	396.4	427.6	343.6	445.0	322.3
	3583	442.5	349.6	426.0	351.7	443.3	325.5
	3584	432.1	251.5	427.3	282.1	439.9	268.9
	3585	439.7	318.6	425.8	311.2	442.0	321.7
	3586	459.6	355.1	432.1	336.1	474.0	348.8
	3587	465.8	349.7	430.9	334.8	463.6	320.4
	3588	450.4	322.9	426.9	324.5	448.9	305.1
	3589	460.9	337.1	430.9	319.7	468.1	327.1
	3590	457.7	350.6	428.3	328.9	457.8	324.9
150 mg/kg/day	3591	466.7	408.4[a]	ISAC	na	na	na
	3592	491.1	417.3[b]	ISAC	na	na	na
	3593	454.4	389.1[a]	ISAC	na	na	na
	3594	434.8	351.2[b]	ISAC	na	na	na
	3595	491.2	436.4[a]	ISAC	na	na	na
	3596	453.7	402.2[a]	ISAC	na	na	na
	3597	442.7	391.3[a]	ISAC	na	na	na
	3598	483.6	422.5[b]	ISAC	na	na	na
	3599	508.9	464.0[a]	ISAC	na	na	na
	3600	482.3	415.9[b]	ISAC	na	na	na
	3601	448.5	330.6	447.9	344.6	466.5	336.3
	3602	468.6	347.7	424.7	307.3	462.4	310.1
	3603	428.5	326.9	428.4	324.0	443.6	308.8
	3604	413.9	316.1	420.1	325.8	455.1	327.8
	3605	507.1	390.0	429.3	324.1	476.5	375.3
	3606	518.4	398.7	436.5	329.0	458.9	318.9
	3607	455.6	340.3	420.2	326.6	459.3	330.9
	3608	458.9	337.6	421.3	307.7	453.2	316.1
	3609	475.5	367.8	430.6	330.1	442.7	307.4
	3610	460.1	334.7	429.9	310.0	455.1	352.4
	3611	482.1	371.7	429.4	326.6	462.6	326.8
	3612	460.9	344.5	437.6	326.4	461.6	317.7
	3613	460.1	356.8	426.4	332.3	471.6	342.4
	3614	478.1	380.5	434.2	343.2	472.2	345.1
	3615	469.1	371.2	429.3	344.3	474.0	358.3
	3616	441.0	343.0	425.7	327.5	446.8	321.2
	3617	428.6	303.4	425.8	295.7	443.0	276.4
	3618	430.0	335.7	429.4	342.2	447.3	326.2
	3619	446.9	265.4	427.4	327.1	457.1	301.8
	3620	431.0	320.5	425.3	317.3	446.6	337.8

[a] Food offered for a 3-day period due to interim sacrifice.
[b] Food offered for a 4-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 7	old 7	new 8	old 8	new 9	old 9
450 mg/kg/day	3621	452.1	402.6 [a]	ISAC	na	na	na
	3622	478.1	428.8 [a]	ISAC	na	na	na
	3623	462.4	409.3 [b]	ISAC	na	na	na
	3624	479.2	411.8 [b]	ISAC	na	na	na
	3625	467.2	423.2 [a]	ISAC	na	na	na
	3626	454.9	402.4 [b]	ISAC	na	na	na
	3627	415.6	359.7 [b]	ISAC	na	na	na
	3628	485.4	436.7 [a]	ISAC	na	na	na
	3629	432.0	371.1 [b]	ISAC	na	na	na
	3630	472.0	440.3 [a]	ISAC	na	na	na
	3631	503.1	411.8	428.7	346.0	461.2	332.5
	3632	484.0	376.6	421.4	328.2	461.3	332.5
	3633	411.6	335.9	427.5	341.8	455.1	350.2
	3634	460.2	352.4	426.7	323.5	453.3	322.2
	3635	521.0	443.5	434.6	353.9	487.9	372.3
	3636	426.0	336.8	420.6	330.1	457.9	346.4
	3637	476.2	382.8	423.4	328.6	451.6	321.9
	3638	440.1	334.7	425.7	325.9	455.4	303.0
	3639	465.0	353.3	424.6	328.6	453.4	320.1
	3640	472.1	391.1	427.0	332.8	458.3	337.1
	3641	451.0	367.4	425.7	343.6	452.2	341.0
	3642	461.4	330.0	428.1	311.4	470.1	312.1
	3643	463.4	352.5	421.8	313.7	457.5	324.3
	3644	534.8	449.3	428.4	355.7	464.5	360.7
	3645	472.7	365.4	423.4	320.9	441.1	295.7
	3646	492.8	387.8	425.3	327.8	451.9	348.5
	3647	445.9	353.4	421.8	313.5	464.1	319.8
	3648	479.8	372.0	436.1	319.4	469.7	326.6
	3649	458.9	352.7	423.2	307.1	461.7	310.2
	3650	417.9	318.1	429.5	330.5	450.7	354.0

[a] Food offered for a 3-day period due to interim sacrifice.
[b] Food offered for a 4-day period due to interim sacrifice.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
0 mg/kg/day	3531	na	na	na	na	na	na	na	na
	3532	na	na	na	na	na	na	na	na
	3533	na	na	na	na	na	na	na	na
	3534	na	na	na	na	na	na	na	na
	3535	na	na	na	na	na	na	na	na
	3536	na	na	na	na	na	na	na	na
	3537	na	na	na	na	na	na	na	na
	3538	na	na	na	na	na	na	na	na
	3539	na	na	na	na	na	na	na	na
	3540	na	na	na	na	na	na	na	na
	3541	422.5	301.0	444.4	332.2	449.7	316.1	447.2	355.7
	3542	437.9	315.1	448.7	338.2	460.7	345.2	447.1	374.5
	3543	431.6	322.7	443.0	339.0	445.2	339.8	447.2	361.4
	3544	439.9	346.2	455.3	357.1	451.3	349.0	449.4	363.6
	3545	424.5	316.9	443.5	338.2	441.0	347.2	451.9	344.1
	3546	426.9	319.6	449.2	332.7	450.0	347.3	459.7	364.5
	3547	429.8	303.6	441.4	337.4	450.0	318.0	446.0	322.9
	3548	422.2	304.7	445.5	329.7	445.7	325.3	454.2	344.4
	3549	426.8	304.3	454.2	339.6	444.4	323.5	451.2	352.1
	3550	424.8	318.7	436.9	328.8	448.2	333.3	456.0	365.0
	3551	423.5	314.9	447.6	334.3	447.0	329.9	471.0	371.3
	3552	425.7	308.7	442.6	324.1	452.3	320.7	443.7	329.6
	3553	425.4	297.1	442.3	323.0	443.8	310.6	443.4	325.3
	3554	423.3	299.2	446.5	328.9	465.2	348.4	445.8	343.6
	3555	430.6	330.7	451.1	345.3	448.8	334.1	443.4	340.8
	3556	422.2	296.0	445.9	326.2	446.6	318.6	457.3	367.2
	3557	447.2	331.8	450.4	340.5	446.0	334.3	453.6	349.7
	3558	440.8	328.6	442.2	336.3	443.2	322.6	447.1	349.6
	3559	464.4	373.1	444.6	360.6	451.0	347.7	465.8	372.7
	3560	457.0	355.0	446.4	338.7	443.8	329.6	446.9	346.7
50 mg/kg/day	3561	na	na	na	na	na	na	na	na
	3562	na	na	na	na	na	na	na	na
	3563	na	na	na	na	na	na	na	na
	3564	na	na	na	na	na	na	na	na
	3565	na	na	na	na	na	na	na	na
	3566	na	na	na	na	na	na	na	na
	3567	na	na	na	na	na	na	na	na
	3568	na	na	na	na	na	na	na	na
	3569	na	na	na	na	na	na	na	na
	3570	na	na	na	na	na	na	na	na
	3571	460.9	209.2	485.1	326.8	444.6	318.3	446.4	344.5
	3572	435.4	320.0	442.8	341.0	453.8	341.7	452.8	356.6
	3573	444.6	325.8	449.0	326.3	449.2	309.7	451.5	339.6
	3574	426.3	306.2	441.9	328.6	454.2	335.5	451.5	365.2
	3575	461.6	348.9	448.5	330.0	445.8	319.7	446.9	352.9
	3576	460.5	336.3	448.2	321.8	453.9	321.7	444.3	366.9

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
50 mg/kg/day (continued)	3577	463.1	335.5	451.8	349.2	449.7	345.4	446.2	365.3
	3578	457.6	339.3	447.5	337.4	463.9	339.2	445.0	349.2
	3579	424.7	316.8	444.7	322.0	440.8	317.8	450.8	338.5
	3580	462.3	367.2	445.9	354.1	460.1	363.7	469.2	387.2
	3581	430.8	337.4	441.1	343.7	446.5	342.3	449.1	365.4
	3582	438.8	347.3	447.7	354.2	460.5	355.1	450.1	366.0
	3583	440.6	349.5	441.5	348.2	448.4	346.4	449.4	363.1
	3584	444.6	296.5	453.3	328.5	446.8	309.2	442.3	327.4
	3585	443.0	326.8	442.6	323.0	434.2	307.9	447.7	337.5
	3586	434.9	327.2	463.1	349.7	466.2	347.2	451.3	362.4
	3587	428.4	306.2	448.1	340.0	452.6	338.7	449.6	351.8
	3588	441.6	309.2	442.4	317.0	441.9	304.2	449.8	338.3
	3589	452.7	334.8	449.9	320.3	447.4	308.2	447.6	331.7
	3590	459.4	353.3	446.9	344.2	448.5	339.2	443.1	364.5
150 mg/kg/day	3591	na	na	na	na	na	na	na	na
	3592	na	na	na	na	na	na	na	na
	3593	na	na	na	na	na	na	na	na
	3594	na	na	na	na	na	na	na	na
	3595	na	na	na	na	na	na	na	na
	3596	na	na	na	na	na	na	na	na
	3597	na	na	na	na	na	na	na	na
	3598	na	na	na	na	na	na	na	na
	3599	na	na	na	na	na	na	na	na
	3600	na	na	na	na	na	na	na	na
	3601	443.9	316.8	444.0	316.4	447.9	323.4	450.4	344.3
	3602	433.6	289.8	445.5	296.5	462.0	307.6	465.5	347.4
	3603	461.9	347.5	445.3	316.9	440.2	332.5	445.1	362.1
	3604	448.2	346.1	447.8	327.5	445.8	320.1	441.0	333.1
	3605	466.2	412.2	446.0	300.1	442.5	313.1	446.6	364.6
	3606	423.1	298.6	445.6	308.8	446.6	324.8	450.7	352.0
	3607	426.1	311.2	448.4	329.3	449.0	336.8	443.6	360.2
	3608	425.5	296.0	447.7	319.3	452.7	313.4	451.8	354.8
	3609	407.3	301.7	441.3	322.8	446.9	314.7	445.0	335.3
	3610	427.7	368.9	448.8	286.2	445.7	304.4	469.6	370.8
	3611	434.3	315.4	444.4	324.1	449.5	334.8	449.4	348.0
	3612	427.0	302.0	444.3	315.4	452.9	325.0	447.3	335.3
	3613	428.5	315.7	441.0	320.7	458.4	330.3	470.7	365.5
	3614	447.1	337.0	445.3	341.9	452.3	329.0	459.7	349.3
	3615	475.1	364.7	448.1	328.0	446.8	338.3	449.2	364.9
	3616	392.8	281.0	444.0	333.8	441.8	333.0	451.1	363.7
	3617	401.8	260.8	445.2	291.0	447.7	291.4	443.6	306.5
	3618	414.2	306.6	443.4	337.7	459.5	356.2	444.4	358.9
	3619	432.0	290.7	443.9	334.2	448.7	344.5	450.5	355.9
	3620	427.3	371.9	442.0	298.6	449.5	296.7	445.3	347.6

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g)
[Feeder Weights]

DOSE LEVEL	ANIMAL NO.	new 10	old 10	new 11	old 11	new 12	old 12	new 13	old 13
450 mg/kg/day	3621	na	na	na	na	na	na	na	na
	3622	na	na	na	na	na	na	na	na
	3623	na	na	na	na	na	na	na	na
	3624	na	na	na	na	na	na	na	na
	3625	na	na	na	na	na	na	na	na
	3626	na	na	na	na	na	na	na	na
	3627	na	na	na	na	na	na	na	na
	3628	na	na	na	na	na	na	na	na
	3629	na	na	na	na	na	na	na	na
	3630	na	na	na	na	na	na	na	na
	3631	431.7	339.1	448.9	355.9	473.9	366.3	444.8	349.5
	3632	450.5	326.5	444.4	326.7	462.8	324.1	452.6	353.9
	3633	422.8	341.9	448.1	356.4	455.8	351.9	444.1	369.7
	3634	420.8	311.8	442.2	326.9	451.4	344.9	447.1	353.4
	3635	467.2	356.9	442.3	334.8	467.7	352.9	457.4	377.3
	3636	443.3	329.0	447.4	342.0	447.1	315.4	445.8	339.4
	3637	420.4	314.5	449.3	344.1	444.8	332.2	452.1	369.4
	3638	420.8	286.9	442.5	325.8	454.0	333.0	443.4	360.2
	3639	420.6	307.0	444.3	333.0	444.5	317.5	445.7	354.8
	3640	452.9	336.4	440.5	333.6	449.9	317.1	452.4	358.4
	3641	418.9	325.8	442.0	362.4	447.5	358.0	463.0	380.5
	3642	449.2	311.1	442.9	312.9	446.8	312.4	448.9	317.6
	3643	448.7	325.2	445.4	329.5	452.7	349.1	467.4	376.3
	3644	464.6	372.8	448.1	356.3	449.4	347.6	458.8	391.5
	3645	430.7	296.5	443.3	317.4	447.7	319.4	444.6	339.6
	3646	458.9	336.9	444.6	332.3	446.8	342.8	444.5	341.7
	3647	425.7	303.1	444.0	318.7	447.5	315.9	445.4	356.9
	3648	452.9	326.0	459.8	332.2	461.3	337.1	469.8	356.3
	3649	445.4	318.9	446.5	315.3	451.9	318.0	451.4	361.8
	3650	432.1	326.4	446.6	308.5	440.2	318.0	443.4	339.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
0 mg/kg/day	3531	19.5	18.8	19.8	19.1	19.5	20.6	28.0
	3532	17.7	17.3	18.2	16.6	16.5	16.6	10.4
	3533	17.2	17.2	15.5	14.1	13.8	14.1	21.8
	3534	19.2	18.6	20.4	18.3	18.2	18.8	10.0
	3535	17.0	16.2	16.4	18.5	14.6	16.6	16.8
	3536	16.2	16.3	14.4	14.0	12.5	15.1	15.3
	3537	16.4	15.2	19.3	11.4	14.3	14.8	28.7
	3538	17.4	18.3	17.5	17.9	18.1	17.1	2.9
	3539	19.8	20.0	20.0	17.2	20.7	17.7	19.5
	3540	20.4	31.2	31.0	24.0	18.7	21.7	19.4
	3541	16.4	17.9	16.6	17.3	19.0	18.5	16.3
	3542	17.8	18.4	18.9	18.0	16.3	17.6	19.1
	3543	14.8	15.1	14.7	15.9	14.1	15.5	14.8
	3544	16.6	15.9	14.9	16.5	20.1	15.6	13.7
	3545	19.8	17.1	16.1	16.9	14.9	16.3	14.5
	3546	16.5	16.0	16.4	2.7	14.7	18.0	16.7
	3547	16.9	16.0	16.9	18.1	17.0	17.2	16.4
	3548	16.0	15.4	25.7	17.6	17.4	18.5	17.1
	3549	17.4	17.8	17.5	17.2	12.1	18.6	16.3
	3550	19.3	19.2	16.5	18.8	16.1	16.4	15.6
	3551	15.1	14.9	14.9	16.6	17.6	16.9	14.1
	3552	18.2	12.5	18.4	17.4	18.0	16.7	15.4
	3553	20.3	15.4	19.2	20.3	15.8	18.0	18.0
	3554	16.6	19.2	16.7	16.4	17.2	16.4	16.3
	3555	15.9	15.9	15.0	16.1	15.9	15.0	13.0
	3556	18.6	19.1	19.3	19.1	16.5	16.6	15.8
	3557	18.6	18.3	17.3	17.5	17.6	18.9	17.3
	3558	19.9	19.4	18.3	17.5	17.7	18.1	16.1
	3559	16.7	16.1	15.3	15.1	13.1	13.9	11.9
	3560	18.4	16.3	15.7	17.3	16.6	14.9	13.9
50 mg/kg/day	3561	16.8	16.4	20.8	20.3	16.2	16.0	15.3
	3562	15.6	16.2	15.7	20.3	17.1	17.1	16.8
	3563	15.8	16.3	5.7	17.6	16.5	14.4	16.5
	3564	17.1	18.4	16.5	18.7	18.3	17.0	12.9
	3565	18.9	20.4	31.2	23.3	15.2	12.7	20.1
	3566	17.2	15.7	15.1	19.6	17.1	16.9	17.5
	3567	18.8	19.7	16.3	24.4	18.4	17.6	17.2
	3568	17.7	16.5	12.4	20.3	15.5	16.0	16.8
	3569	16.1	15.1	12.0	21.1	16.3	15.6	17.0
	3570	15.6	17.3	9.9	20.6	16.2	14.6	64.9
	3571	19.1	18.6	14.7	23.9	25.7	15.8	17.9
	3572	17.5	17.3	13.7	24.2	18.2	14.9	17.3
	3573	17.9	19.9	12.8	27.4	18.8	16.6	17.1
	3574	16.4	16.0	8.6	24.2	15.4	16.0	14.2
	3575	16.5	25.7	12.3	25.5	16.9	14.1	16.4
	3576	18.9	8.3	24.2	18.6	17.2	17.2	18.4

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
50 mg/kg/day (continued)	3577	16.3	21.2	6.9	15.3	14.6	15.8	13.9
	3578	16.7	15.2	8.4	15.9	16.2	16.6	15.6
	3579	18.4	18.4	19.3	19.2	22.5	23.6	21.9
	3580	18.6	18.0	15.9	16.4	16.2	14.9	13.7
	3581	20.8	36.1	32.0	*	17.4	14.3	11.4
	3582	16.2	14.9	14.4	14.8	14.2	13.7	12.6
	3583	14.8	17.9	15.2	16.0	14.0	13.4	13.3
	3584	18.2	20.3	22.9	20.0	20.3	21.6	25.8
	3585	16.8	18.0	17.2	17.3	16.5	15.3	17.3
	3586	15.8	15.0	18.3	15.7	16.7	15.1	14.9
	3587	19.7	18.5	31.8	16.7	17.9	18.1	16.6
	3588	17.8	17.5	18.6	18.5	19.2	18.5	18.2
	3589	17.5	20.5	17.5	18.1	18.5	18.6	17.7
	3590	10.5	16.9	15.5	17.2	16.7	16.0	15.3
150 mg/kg/day	3591	16.6	16.6	17.3	19.9	16.9	17.7	19.4
	3592	19.6	19.1	20.9	20.4	15.4	18.3	18.5
	3593	19.0	17.4	18.5	20.8	10.8	15.8	21.8
	3594	18.8	19.5	18.4	21.4	17.5	18.5	20.9
	3595	14.8	16.8	15.6	20.7	14.9	17.7	18.3
	3596	18.0	19.4	18.4	20.0	15.9	17.2	17.2
	3597	17.6	16.3	15.0	18.6	15.2	15.9	17.1
	3598	15.6	16.4	16.6	18.5	14.6	15.1	15.3
	3599	13.6	14.8	14.6	17.4	13.6	15.5	15.0
	3600	16.1	17.3	18.3	20.4	15.4	16.6	16.6
	3601	17.1	17.5	17.5	18.8	15.9	17.4	16.8
	3602	17.0	19.0	18.0	22.1	16.9	18.4	17.3
	3603	16.0	18.0	14.3	18.2	14.3	14.9	14.5
	3604	14.8	14.3	14.5	18.1	14.1	14.6	14.0
	3605	17.1	17.7	17.4	18.3	16.6	17.5	16.7
	3606	17.6	16.9	18.5	19.7	16.7	17.0	17.1
	3607	15.6	14.4	15.4	17.9	15.1	16.3	16.5
	3608	14.5	19.0	15.0	20.4	16.1	17.4	17.3
	3609	15.0	16.0	6.1	21.9	15.6	16.5	15.4
	3610	20.0	16.8	28.8	25.0	17.8	18.6	17.9
	3611	17.7	18.1	17.9	20.0	15.1	16.2	15.8
	3612	17.5	17.0	16.9	19.3	16.0	20.7	16.6
	3613	16.8	16.6	17.6	18.3	13.4	17.6	14.8
	3614	16.0	15.0	15.7	20.0	13.9	16.2	13.9
	3615	16.1	14.3	14.6	20.7	12.7	15.9	14.0
	3616	17.2	17.1	17.2	18.8	14.1	14.7	14.0
	3617	16.3	16.7	16.0	20.2	16.6	22.2	17.9
	3618	15.5	14.9	14.2	16.2	13.5	13.9	13.5
	3619	16.0	16.0	18.1	23.3	20.0	22.0	25.9
	3620	17.8	18.4	16.2	21.3	15.0	16.9	15.8

* Invalid food consumption value.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
450 mg/kg/day	3621	18.0	17.3	17.8	20.2	21.3	28.9	16.5
	3622	14.5	14.1	12.4	16.2	19.6	14.3	16.4
	3623	14.2	16.6	14.1	17.6	13.8	25.3	13.3
	3624	16.0	16.7	15.9	19.8	16.4	22.2	16.8
	3625	15.1	16.3	16.4	18.6	19.1	22.3	14.7
	3626	13.0	15.1	17.0	17.1	12.3	20.3	13.1
	3627	16.1	16.7	15.8	20.0	17.6	23.1	14.0
	3628	15.8	20.2	16.3	18.6	14.1	22.2	16.2
	3629	13.3	15.5	14.9	35.3	11.5	21.7	15.2
	3630	14.3	14.5	13.2	18.0	17.3	14.4	10.6
	3631	13.7	14.2	31.1	17.2	12.4	24.9	13.0
	3632	17.6	16.2	29.2	14.6	19.2	20.6	15.3
	3633	13.1	13.0	15.4	15.0	15.2	17.7	10.8
	3634	16.3	15.5	25.6	19.2	11.4	24.9	15.4
	3635	15.6	15.9	10.7	24.7	16.0	25.0	11.1
	3636	16.0	17.2	16.3	19.2	17.2	21.5	12.7
	3637	15.2	15.6	13.0	18.1	19.8	23.1	13.3
	3638	14.8	14.8	11.6	19.6	21.2	23.9	15.1
	3639	16.3	33.6	15.0	28.4	29.5	18.5	16.0
	3640	16.6	15.5	17.0	17.1	15.8	23.4	11.6
	3641	12.4	14.0	13.9	15.2	19.8	20.5	11.9
	3642	18.9	18.5	20.2	25.5	16.8	21.7	18.8
	3643	16.9	18.8	18.9	19.2	16.4	26.4	15.8
	3644	12.6	12.0	11.7	14.2	31.0	17.6	12.2
	3645	17.8	17.7	15.0	18.4	15.2	19.9	15.3
	3646	13.1	15.6	14.2	18.0	23.3	17.1	15.0
	3647	18.7	17.9	15.6	20.1	13.3	19.1	13.2
	3648	15.7	18.5	16.0	20.1	12.6	24.5	15.4
	3649	15.3	17.5	15.6	20.0	20.6	24.3	15.2
	3650	16.4	17.8	17.1	19.0	25.6	17.4	14.3

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
0 mg/kg/day	3531	na	na	na	na	na	na
	3532	na	na	na	na	na	na
	3533	na	na	na	na	na	na
	3534	na	na	na	na	na	na
	3535	na	na	na	na	na	na
	3536	na	na	na	na	na	na
	3537	na	na	na	na	na	na
	3538	na	na	na	na	na	na
	3539	na	na	na	na	na	na
	3540	na	na	na	na	na	na
	3541	19.1	17.5	17.4	16.0	19.1	13.1
	3542	16.8	17.7	17.5	15.8	16.5	10.4
	3543	14.4	15.4	15.6	14.9	15.1	12.3
	3544	15.9	14.7	13.4	14.0	14.6	12.3
	3545	17.4	16.2	15.4	15.0	13.4	15.4
	3546	16.9	12.3	15.3	16.6	14.7	13.6
	3547	19.5	16.9	18.0	14.9	18.9	17.6
	3548	18.0	18.6	16.8	16.5	17.2	15.7
	3549	17.6	18.1	17.5	16.4	17.3	14.2
	3550	16.4	15.7	15.2	15.4	16.4	13.0
	3551	23.6	16.2	15.5	16.2	16.7	14.2
	3552	18.4	18.4	16.7	16.9	18.8	16.3
	3553	19.2	19.7	18.3	17.0	19.0	16.9
	3554	17.1	18.4	17.7	16.8	16.7	14.6
	3555	15.4	14.9	14.3	15.1	16.4	14.7
	3556	18.0	17.6	18.0	17.1	18.3	12.9
	3557	17.0	18.9	16.5	15.7	16.0	14.8
	3558	18.8	18.0	16.0	15.1	17.2	13.9
	3559	13.6	13.4	13.0	12.0	14.8	13.3
	3560	14.8	15.0	14.6	15.4	16.3	14.3
50 mg/kg/day	3561	na	na	na	na	na	na
	3562	na	na	na	na	na	na
	3563	na	na	na	na	na	na
	3564	na	na	na	na	na	na
	3565	na	na	na	na	na	na
	3566	na	na	na	na	na	na
	3567	na	na	na	na	na	na
	3568	na	na	na	na	na	na
	3569	na	na	na	na	na	na
	3570	na	na	na	na	na	na
	3571	32.7	20.6	36.0	22.6	18.0	14.6
	3572	15.3	15.4	16.5	14.5	16.0	13.7
	3573	19.1	17.7	17.0	17.5	19.9	16.0
	3574	16.3	17.4	17.2	16.2	17.0	12.3
	3575	16.8	18.3	16.1	16.9	18.0	13.4
	3576	19.5	19.4	17.7	18.1	18.9	11.1

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
50 mg/kg/day (continued)	3577	14.7	15.5	18.2	14.7	14.9	11.6
	3578	16.7	16.3	16.9	15.7	17.8	13.7
	3579	15.0	17.4	15.4	17.5	17.6	16.0
	3580	13.8	14.2	13.6	13.1	13.8	11.7
	3581	13.0	13.7	13.3	13.9	14.9	12.0
	3582	14.0	15.3	13.1	13.4	15.1	12.0
	3583	12.4	14.7	13.0	13.3	14.6	12.3
	3584	24.2	21.4	21.2	17.8	19.7	16.4
	3585	19.1	15.0	16.6	17.1	18.0	15.7
	3586	16.0	15.7	15.4	16.2	17.0	12.7
	3587	16.0	17.9	17.5	15.4	16.3	14.0
	3588	17.1	18.0	18.9	17.9	19.7	15.9
	3589	18.5	17.6	16.8	18.5	19.9	16.6
	3590	16.6	16.6	15.2	14.7	15.6	11.2
150 mg/kg/day	3591	na	na	na	na	na	na
	3592	na	na	na	na	na	na
	3593	na	na	na	na	na	na
	3594	na	na	na	na	na	na
	3595	na	na	na	na	na	na
	3596	na	na	na	na	na	na
	3597	na	na	na	na	na	na
	3598	na	na	na	na	na	na
	3599	na	na	na	na	na	na
	3600	na	na	na	na	na	na
	3601	17.2	16.3	18.2	18.2	17.8	15.2
	3602	19.6	19.0	20.5	21.3	22.1	16.9
	3603	17.4	16.9	16.3	18.3	15.4	11.9
	3604	15.7	15.9	14.6	17.2	18.0	15.4
	3605	17.5	12.7	7.7	20.8	18.5	11.7
	3606	17.9	17.5	17.8	19.5	17.4	14.1
	3607	15.6	16.1	16.4	17.0	16.0	11.9
	3608	18.9	17.1	18.5	18.3	19.9	13.9
	3609	16.8	16.9	15.1	16.9	18.9	15.7
	3610	20.0	12.8	8.4	23.2	20.2	14.1
	3611	17.1	17.0	17.0	17.2	16.4	14.5
	3612	18.5	18.0	17.9	18.4	18.3	16.0
	3613	15.7	16.2	16.1	17.2	18.3	15.0
	3614	15.2	15.9	15.7	14.8	17.6	15.8
	3615	14.2	14.5	15.8	17.2	15.5	12.0
	3616	16.4	15.7	16.0	15.7	15.5	12.5
	3617	21.7	20.8	20.1	22.0	22.3	19.6
	3618	14.5	15.1	15.4	15.1	14.8	12.2
	3619	16.7	19.4	20.2	15.7	14.9	13.5
	3620	18.0	13.6	7.9	20.5	21.8	14.0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE FOOD CONSUMPTION DATA (g/day)

DOSE LEVEL	ANIMAL NO.	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
450 mg/kg/day	3621	na	na	na	na	na	na
	3622	na	na	na	na	na	na
	3623	na	na	na	na	na	na
	3624	na	na	na	na	na	na
	3625	na	na	na	na	na	na
	3626	na	na	na	na	na	na
	3627	na	na	na	na	na	na
	3628	na	na	na	na	na	na
	3629	na	na	na	na	na	na
	3630	na	na	na	na	na	na
	3631	13.8	16.1	13.2	13.3	15.4	13.6
	3632	15.5	16.1	17.7	16.8	19.8	14.1
	3633	14.3	13.1	11.6	13.1	14.8	10.6
	3634	17.2	16.4	15.6	16.5	15.2	13.4
	3635	13.5	14.4	15.8	15.4	16.4	11.4
	3636	15.1	13.9	16.3	15.1	18.8	15.2
	3637	15.8	16.2	15.1	15.0	16.1	11.8
	3638	16.6	19.1	19.1	16.7	17.3	11.9
	3639	16.0	16.7	16.2	15.9	18.1	13.0
	3640	15.7	15.2	16.6	15.3	19.0	13.4
	3641	13.7	13.9	13.3	11.4	12.8	11.8
	3642	19.5	19.8	19.7	18.6	19.2	18.8
	3643	18.0	16.7	17.6	16.6	14.8	13.0
	3644	12.1	13.0	13.1	13.1	14.5	9.6
	3645	17.1	18.2	19.2	18.0	18.3	15.0
	3646	16.3	12.9	17.6	16.0	14.9	14.7
	3647	18.1	18.0	17.5	17.9	18.8	12.6
	3648	19.5	17.9	18.1	18.2	17.7	16.2
	3649	19.3	18.9	18.1	18.7	19.1	12.8
	3650	16.5	12.1	15.1	19.7	17.5	14.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	RBC (x 10^6/mm^3)	HGB (g/dl)	HCT (%)	PT (sec.)	APTT (sec.)	RETIC (% rbc)
0 mg/kg/day	3401	7.32	14.7	39.9	13.0	30.6	0.1
	3402	8.33	15.2	42.5	13.6	36.8	2.1
	3403	7.99	15.1	42.6	11.6	35.1	1.2
	3404	7.90	14.9	42.1	12.5	33.9	0.4
	3405	7.46	14.8	41.9	13.3	31.9	0.7
	3406	8.15	15.3	42.0	13.1	35.6	0.8
	3407	8.02	15.6	41.6	13.1	34.3	1.8
	3408	8.11	15.6	42.6	13.1	32.0	0.1
	3409	8.68	15.4	44.0	11.5	30.8	0.4
	3410	8.43	16.1	44.7	11.9	35.6	1.1
50 mg/kg/day	3431	7.88	16.0	43.4	12.2	34.7	2.4
	3432	7.35	15.3	39.9	12.5	33.0	1.0
	3433	7.78	15.7	43.5	12.4	32.8	1.1
	3434	7.43	14.8	39.2	13.4	34.6	0.1
	3435	8.58	15.8	44.8	12.5	33.4	0.3
	3436	7.04	14.3	38.9	12.5	34.9	2.1
	3437	8.48	15.8	44.7	10.7	10.8	1.3
	3438	7.38	14.8	39.8	11.9	30.8	1.0
	3439	7.60	14.3	39.5	11.6	36.8	0.3
	3440	7.68	15.4	42.2	11.5	31.8	1.1
150 mg/kg/day	3461	7.74	14.6	38.9	13.4	33.9	1.6
	3462	7.68	14.9	40.4	12.8	32.0	0.8
	3463	7.42	15.3	40.2	10.4	32.3	0.3
	3464	7.48	14.6	40.9	13.3	32.9	0.7
	3465	7.29	15.0	41.7	12.0	31.4	0.7
	3466	8.48	16.1	44.2	14.8	37.8	0.9
	3467	7.29	14.7	40.5	11.9	35.8	1.5
	3468	7.89	15.4	43.1	10.8	40.4	0.8
	3469	7.39	14.8	40.9	10.7	30.6	2.0
	3470	8.21	16.3	46.0	12.9	30.9	1.6
450 mg/kg/day	3491	7.77	14.5	41.4	11.6	35.9	0.6
	3492	7.41	15.2	42.3	12.8	33.0	0.8
	3493	7.64	15.0	40.9	11.7	31.1	0.8
	3494	7.42	15.0	40.5	10.7	30.4	1.8
	3495	7.17	14.8	39.9	10.5	35.9	0.1
	3496	7.65	14.2	39.6	12.9	34.1	0.1
	3497	7.58	15.0	40.6	11.2	31.1	1.0
	3498	7.96	15.6	43.1	10.7	29.7	0.6
	3499	7.42	15.3	39.2	10.7	34.0	0.1
	3500	8.47	16.1	44.6	11.7	34.6	0.6

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (% WBC)	BANDS (% WBC)	LYMPHS (% WBC)	MONO (% WBC)	EOS (% WBC)
0 mg/kg/day	3401	8.7	27	1	72	0	0
	3402	12.9	33	0	65	1	1
	3403	11.0	20	0	79	1	0
	3404	17.5	25	0	75	0	0
	3405	11.2	12	0	85	2	0
	3406	15.1	11	0	89	0	0
	3407	12.2	5	0	94	1	0
	3408	13.8	21	1	74	3	1
	3409	15.6	7	0	93	0	0
	3410	17.1	8	0	89	3	0
50 mg/kg/day	3431	11.4	20	0	73	3	4
	3432	14.9	20	0	75	2	3
	3433	11.7	18	0	80	1	1
	3434	17.8	24	0	75	0	1
	3435	20.3	20	1	76	2	1
	3436	12.4	3	2	91	3	1
	3437	10.1	25	0	71	1	3
	3438	16.6	50	0	49	0	1
	3439	8.9	25	0	75	0	0
	3440	16.5	32	0	65	1	2
150 mg/kg/day	3461	15.9	31	1	66	0	0
	3462	9.2	20	1	79	0	0
	3463	12.8	13	0	86	0	1
	3464	12.6	23	1	75	1	0
	3465	14.0	15	0	84	0	1
	3466	9.7	9	0	89	1	1
	3467	9.8	17	0	82	1	0
	3468	13.1	10	0	88	1	1
	3469	8.1	12	3	84	0	1
	3470	14.1	32	0	68	0	0
450 mg/kg/day	3491	8.1	19	0	79	1	1
	3492	11.1	28	0	69	3	0
	3493	14.9	22	0	77	1	0
	3494	13.0	20	0	78	2	0
	3495	13.6	5	0	94	1	0
	3496	13.8	20	0	76	3	1
	3497	14.5	19	0	81	0	0
	3498	18.4	26	0	72	0	2
	3499	12.2	16	2	80	1	1
	3500	15.2	22	0	75	2	1

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (x 10^3/mm^3)	BANDS (x 10^3/mm^3)	LYMPHS (x 10^3/mm^3)	MONO (x 10^3/mm^3)	EOS (x 10^3/mm^3)
0 mg/kg/day	3401	8.7	2.3	0.1	6.3	0.0	0.0
	3402	12.9	4.3	0.0	8.4	0.1	0.1
	3403	11.0	2.2	0.0	8.7	0.1	0.0
	3404	17.5	4.4	0.0	13.1	0.0	0.0
	3405	11.2	1.3	0.0	9.5	0.2	0.0
	3406	15.1	1.7	0.0	13.4	0.0	0.0
	3407	12.2	0.6	0.0	11.5	0.1	0.0
	3408	13.8	2.9	0.1	10.2	0.4	0.1
	3409	15.6	1.1	0.0	14.5	0.0	0.0
	3410	17.1	1.4	0.0	15.2	0.5	0.0
50 mg/kg/day	3431	11.4	2.3	0.0	8.3	0.3	0.5
	3432	14.9	3.0	0.0	11.2	0.3	0.4
	3433	11.7	2.1	0.0	9.4	0.1	0.1
	3434	17.8	4.3	0.0	13.4	0.0	0.2
	3435	20.3	4.1	0.2	15.4	0.4	0.2
	3436	12.4	0.4	0.2	11.3	0.4	0.1
	3437	10.1	2.5	0.0	7.2	0.1	0.3
	3438	16.6	8.3	0.0	8.1	0.0	0.2
	3439	8.9	2.2	0.0	6.7	0.0	0.0
	3440	16.5	5.3	0.0	10.7	0.2	0.3
150 mg/kg/day	3461	15.9	4.9	0.2	10.5	0.0	0.0
	3462	9.2	1.8	0.1	7.3	0.0	0.0
	3463	12.8	1.7	0.0	11.0	0.0	0.1
	3464	12.6	2.9	0.1	9.5	0.1	0.0
	3465	14.0	2.1	0.0	11.8	0.0	0.1
	3466	9.7	0.9	0.0	8.6	0.1	0.1
	3467	9.8	1.7	0.0	8.0	0.1	0.0
	3468	13.1	1.3	0.0	11.5	0.1	0.1
	3469	8.1	1.0	0.2	6.8	0.0	0.1
	3470	14.1	4.5	0.0	9.6	0.0	0.0
450 mg/kg/day	3491	8.1	1.5	0.0	6.4	0.1	0.1
	3492	11.1	3.1	0.0	7.7	0.3	0.0
	3493	14.9	3.3	0.0	11.5	0.1	0.0
	3494	13.0	2.6	0.0	10.1	0.3	0.0
	3495	13.6	0.7	0.0	12.8	0.1	0.0
	3496	13.8	2.8	0.0	10.5	0.4	0.1
	3497	14.5	2.8	0.0	11.7	0.0	0.0
	3498	18.4	4.8	0.0	13.2	0.0	0.4
	3499	12.2	2.0	0.2	9.8	0.1	0.1
	3500	15.2	3.3	0.0	11.4	0.3	0.2

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SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE HEMATOLOGY VALUES

[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	RBC (x 10^6/mm^3)	HGB (g/dl)	HCT (%)	PT (sec.)	APTT (sec.)	RETIC (% rbc)
0 mg/kg/day	3411	9.59	15.6	44.5	7.5	14.0	0.9
	3412	8.88	16.3	44.5	11.5	33.6	0.8
	3413	8.71	15.8	45.0	12.9	35.6	0.9
	3414	8.90	16.0	45.0	10.9	33.5	0.6
	3415	8.29	14.7	41.2	11.3	32.7	1.1
	3416	8.74	15.3	43.4	11.5	33.9	0.9
	3417	8.90	15.8	42.9	12.9	38.8	0.3
	3418	9.02	15.3	43.5	12.7	35.4	1.1
	3419	8.97	16.4	45.0	12.2	34.3	0.7
	3420	9.14	16.0	44.2	9.5	35.0	0.4
50 mg/kg/day	3441	8.25	14.9	41.7	11.4	34.4	1.1
	3442	8.71	14.8	41.2	6.7	35.5	0.2
	3443	8.68	15.6	43.4	12.7	35.1	0.5
	3444	9.15	16.1	44.5	13.6	35.2	0.8
	3445	9.02	15.9	45.5	11.7	36.2	0.2
	3446	8.69	15.1	41.7	12.8	37.1	0.8
	3447	8.77	15.4	43.7	12.4	30.8	0.3
	3448	8.83	15.9	44.4	8.1	36.1	0.8
	3449	8.44	15.3	42.3	13.0	33.7	0.4
	3450	8.43	15.5	41.9	11.3	33.8	0.7
150 mg/kg/day	3471	9.29	16.7	46.1	10.2	37.4	0.6
	3472	9.18	16.9	48.6	11.9	34.5	0.2
	3473	8.42	15.3	45.3	12.0	39.2	0.5
	3474	8.71	15.9	45.2	11.8	34.6	0.3
	3475	na	17.3	49.0	12.5	36.1	1.6
	3476	9.72	17.0	46.6	12.2	27.9	0.3
	3477	8.75	15.8	44.2	12.3	35.5	0.3
	3478	8.53	16.4	46.0	12.3	33.1	0.6
	3479	9.60	16.1	43.7	16.6	39.8	1.4
	3480	9.60	16.4	45.4	10.5	41.5	0.3
450 mg/kg/day	3501	8.88	15.2	42.8	13.3	37.2	0.5
	3502	8.57	15.7	43.5	13.3	23.4	0.2
	3503	8.60	15.4	44.8	11.4	36.6	0.8
	3505	8.89	16.3	46.7	11.4	33.3	1.9
	3506	8.60	15.6	43.3	12.4	34.4	1.3
	3507	8.89	16.4	46.6	11.7	36.9	0.3
	3508	8.77	15.7	43.5	13.4	43.3	0.8
	3509	9.11	15.5	43.9	12.9	38.5	1.4
	3510	7.88	15.0	42.8	10.9	33.9	0.6
	3519	8.51	16.4	46.2	9.0	41.5	0.1

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (% WBC)	BANDS (% WBC)	LYMPHS (% WBC)	MONO (% WBC)	EOS (% WBC)
0 mg/kg/day	3411	11.4	11	4	84	0	1
	3412	17.6	18	0	81	0	1
	3413	13.8	24	0	75	1	0
	3414	11.4	16	1	81	0	2
	3415	7.3	7	0	92	0	0
	3416	13.6	17	0	79	3	1
	3417	15.7	13	1	84	2	0
	3418	9.2	21	1	76	0	2
	3419	13.5	16	3	78	0	3
	3420	11.1	40	0	58	1	1
50 mg/kg/day	3441	11.9	11	0	88	1	0
	3442	10.4	23	1	75	0	1
	3443	12.8	10	0	89	0	1
	3444	11.7	19	1	80	0	0
	3445	13.9	14	1	83	1	1
	3446	9.6	14	0	86	0	0
	3447	14.6	17	1	79	2	1
	3448	11.6	14	0	86	0	0
	3449	14.6	28	2	68	1	1
	3450	18.2	29	0	66	4	1
150 mg/kg/day	3471	11.2	21	0	74	1	4
	3472	10.3	15	2	75	6	2
	3473	15.1	45	0	53	1	1
	3474	11.3	15	0	83	2	0
	3475	10.9	9	1	88	2	0
	3476	15.1	12	1	84	1	2
	3477	11.7	21	0	75	2	2
	3478	11.2	16	0	82	0	2
	3479	10.6	11	0	89	0	0
	3480	10.0	12	1	86	1	0
450 mg/kg/day	3501	10.8	19	1	78	1	1
	3502	10.1	19	0	80	1	0
	3503	9.8	18	0	79	1	2
	3505	12.1	17	3	80	0	0
	3506	16.5	38	1	61	0	0
	3507	17.3	3	0	95	1	1
	3508	8.5	14	3	76	6	1
	3509	11.1	24	0	75	1	0
	3510	10.5	21	0	79	0	0
	3519	13.8	12	0	88	0	0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE HEMATOLOGY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (x 10^3/mm^3)	BANDS (x 10^3/mm^3)	LYMPHS (x 10^3/mm^3)	MONO (x 10^3/mm^3)	EOS (x 10^3/mm^3)
0 mg/kg/day	3411	11.4	1.3	0.5	9.6	0.0	0.1
	3412	17.6	3.2	0.0	14.3	0.0	0.2
	3413	13.8	3.3	0.0	10.4	0.1	0.0
	3414	11.4	1.8	0.1	9.2	0.0	0.2
	3415	7.3	0.5	0.0	6.7	0.0	0.0
	3416	13.6	2.3	0.0	10.7	0.4	0.1
	3417	15.7	2.0	0.2	13.2	0.3	0.0
	3418	9.2	1.9	0.1	7.0	0.0	0.2
	3419	13.5	2.2	0.4	10.5	0.0	0.4
	3420	11.1	4.4	0.0	6.4	0.1	0.1
50 mg/kg/day	3441	11.9	1.3	0.0	10.5	0.1	0.0
	3442	10.4	2.4	0.1	7.8	0.0	0.1
	3443	12.8	1.3	0.0	11.4	0.0	0.1
	3444	11.7	2.2	0.1	9.4	0.0	0.0
	3445	13.9	1.9	0.1	11.5	0.1	0.1
	3446	9.6	1.3	0.0	8.3	0.0	0.0
	3447	14.6	2.5	0.1	11.5	0.3	0.1
	3448	11.6	1.6	0.0	10.0	0.0	0.0
	3449	14.6	4.1	0.3	9.9	0.1	0.1
	3450	18.2	5.3	0.0	12.0	0.7	0.2
150 mg/kg/day	3471	11.2	2.4	0.0	8.3	0.1	0.4
	3472	10.3	1.5	0.2	7.7	0.6	0.2
	3473	15.1	6.8	0.0	8.0	0.2	0.2
	3474	11.3	1.7	0.0	9.4	0.2	0.0
	3475	10.9	1.0	0.1	9.6	0.2	0.0
	3476	15.1	1.8	0.2	12.7	0.2	0.3
	3477	11.7	2.5	0.0	8.8	0.2	0.2
	3478	11.2	1.8	0.0	9.2	0.0	0.2
	3479	10.6	1.2	0.0	9.4	0.0	0.0
	3480	10.0	1.2	0.1	8.6	0.1	0.0
450 mg/kg/day	3501	10.8	2.1	0.1	8.4	0.1	0.1
	3502	10.1	1.9	0.0	8.1	0.1	0.0
	3503	9.8	1.8	0.0	7.7	0.1	0.2
	3505	12.1	2.1	0.4	9.7	0.0	0.0
	3506	16.5	6.3	0.2	10.1	0.0	0.0
	3507	17.3	0.5	0.0	16.4	0.2	0.2
	3508	8.5	1.2	0.3	6.5	0.5	0.1
	3509	11.1	2.7	0.0	8.3	0.1	0.0
	3510	10.5	2.2	0.0	8.3	0.0	0.0
	3519	13.8	1.7	0.0	12.1	0.0	0.0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	RBC (x 10^6/mm^3)	HGB (g/dl)	HCT (%)	PT (sec.)	APTT (sec.)	RETIC (% rbc)
0 mg/kg/day	3531	7.84	16.0	42.3	11.2	33.7	0.6
	3532	7.71	15.6	42.5	11.6	31.9	0.5
	3533	7.70	15.3	41.6	12.0	29.4	1.0
	3534	8.01	15.4	39.4	7.0	45.3	2.0
	3535	7.02	14.1	37.8	11.3	29.5	0.8
	3536	8.17	15.5	43.2	11.3	29.2	0.6
	3537	7.64	15.9	42.9	11.4	30.6	0.6
	3538	7.68	15.4	40.8	sc	sc	0.1
	3539	7.75	15.7	42.8	11.2	31.8	0.5
	3540	7.64	15.6	42.3	11.5	31.0	0.7
50 mg/kg/day	3561	7.19	15.0	40.7	11.3	31.8	0.7
	3562	8.14	15.6	42.9	13.5	62.1	0.7
	3563	7.12	15.2	40.1	11.7	37.6	0.1
	3564	7.94	16.6	44.3	12.6	32.4	1.0
	3565	7.96	15.3	42.7	10.7	38.3	1.4
	3566	7.59	15.8	43.4	12.8	37.0	1.9
	3567	7.67	15.1	41.0	11.7	33.2	1.0
	3568	8.09	16.3	44.6	6.3	42.7	0.7
	3569	7.36	15.8	42.7	11.1	31.0	0.1
	3570	7.54	14.4	39.3	12.3	33.7	2.0
150 mg/kg/day	3591	7.71	16.0	43.6	12.2	32.6	0.9
	3592	8.09	17.4	45.1	10.6	27.8	1.1
	3593	7.21	14.3	39.9	10.8	34.9	0.8
	3594	7.68	15.7	42.4	11.9	32.3	0.1
	3595	8.64	16.4	45.6	11.9	32.2	0.8
	3596	sc	sc	sc	10.7	38.1	sc
	3597	sc	sc	sc	10.3	38.2	sc
	3598	7.81	16.3	45.2	12.7	37.9	0.1
	3599	7.49	14.7	40.0	11.1	30.3	0.9
	3600	7.98	16.0	44.4	10.6	34.3	0.5
450 mg/kg/day	3621	7.27	14.9	40.8	12.5	33.8	2.6
	3622	7.91	15.3	40.0	10.1	39.8	1.3
	3623	6.75	14.5	40.1	11.9	31.2	0.1
	3624	7.29	14.8	39.7	12.0	37.3	0.5
	3625	8.09	15.5	44.8	5.8	52.3	2.2
	3626	7.13	16.0	43.0	11.4	30.8	0.2
	3627	7.26	14.9	39.9	12.1	31.1	0.6
	3628	sc	sc	sc	11.4	47.6	sc
	3629	6.86	15.2	40.1	10.9	33.4	0.6
	3630	7.71	14.9	41.6	11.4	36.4	0.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (% WBC)	BANDS (% WBC)	LYMPHS (% WBC)	MONO (% WBC)	EOS (% WBC)
0 mg/kg/day	3531	8.5	12	0	86	0	2
	3532	12.1	38	0	60	1	1
	3533	9.6	8	1	86	5	0
	3534	10.0	27	0	73	0	0
	3535	10.6	22	0	76	2	0
	3536	10.5	10	0	90	0	0
	3537	10.5	26	1	70	2	1
	3538	10.3	7	2	90	1	0
	3539	14.7	19	0	79	0	2
	3540	9.9	14	0	86	0	0
50 mg/kg/day	3561	12.1	11	1	87	0	1
	3562	10.9	19	0	81	0	0
	3563	11.1	14	0	85	0	1
	3564	10.7	48	6	44	1	1
	3565	11.1	23	2	70	4	1
	3566	14.3	12	0	87	0	1
	3567	13.6	14	0	86	0	1
	3568	7.9	18	0	81	0	1
	3569	14.5	15	0	80	5	0
	3570	9.4	10	0	89	0	1
150 mg/kg/day	3591	13.3	24	0	76	0	0
	3592	13.7	19	0	80	1	0
	3593	8.4	14	1	82	2	0
	3594	9.6	12	0	88	0	0
	3595	9.5	17	1	83	0	0
	3596	sc	sc	sc	sc	sc	sc
	3597	sc	sc	sc	sc	sc	sc
	3598	13.2	8	0	89	0	1
	3599	8.8	4	0	95	1	0
	3600	11.4	26	1	72	1	0
450 mg/kg/day	3621	13.9	5	0	95	0	0
	3622	12.9	15	0	82	3	0
	3623	9.6	14	1	84	1	0
	3624	9.3	38	1	59	2	0
	3625	8.2	30	0	70	0	0
	3626	11.1	24	0	75	1	0
	3627	11.5	6	1	89	2	2
	3628	sc	sc	sc	sc	sc	sc
	3629	11.4	41	0	59	0	0
	3630	16.4	24	0	71	5	0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (x 10^3/mm^3)	BANDS (x 10^3/mm^3)	LYMPHS (x 10^3/mm^3)	MONO (x 10^3/mm^3)	EOS (x 10^3/mm^3)
0 mg/kg/day	3531	8.5	1.0	0.0	7.3	0.0	0.2
	3532	12.1	4.6	0.0	7.3	0.1	0.1
	3533	9.6	0.8	0.1	8.3	0.5	0.0
	3534	10.0	2.7	0.0	7.3	0.0	0.0
	3535	10.6	2.3	0.0	8.1	0.2	0.0
	3536	10.5	1.1	0.0	9.5	0.0	0.0
	3537	10.5	2.7	0.1	7.4	0.2	0.1
	3538	10.3	0.7	0.2	9.3	0.1	0.0
	3539	14.7	2.8	0.0	11.6	0.0	0.3
	3540	9.9	1.4	0.0	8.5	0.0	0.0
50 mg/kg/day	3561	12.1	1.3	0.1	10.5	0.0	0.1
	3562	10.9	2.1	0.0	8.8	0.0	0.0
	3563	11.1	1.6	0.0	9.4	0.0	0.1
	3564	10.7	5.1	0.6	4.7	0.1	0.1
	3565	11.1	2.6	0.2	7.8	0.4	0.1
	3566	14.3	1.7	0.0	12.4	0.0	0.1
	3567	13.6	1.9	0.0	11.7	0.0	0.1
	3568	7.9	1.4	0.0	6.4	0.0	0.1
	3569	14.5	2.2	0.0	11.6	0.7	0.0
	3570	9.4	0.9	0.0	8.4	0.0	0.1
150 mg/kg/day	3591	13.3	3.2	0.0	10.1	0.0	0.0
	3592	13.7	2.6	0.0	11.0	0.1	0.0
	3593	8.4	1.2	0.1	6.9	0.2	0.0
	3594	9.6	1.2	0.0	8.4	0.0	0.0
	3595	9.5	1.6	0.1	7.9	0.0	0.0
	3596	na	na	na	na	na	na
	3597	na	na	na	na	na	na
	3598	13.2	1.1	0.0	11.7	0.0	0.1
	3599	8.8	0.4	0.0	8.4	0.1	0.0
	3600	11.4	3.0	0.1	8.2	0.1	0.0
450 mg/kg/day	3621	13.9	0.7	0.0	13.2	0.0	0.0
	3622	12.9	1.9	0.0	10.6	0.4	0.0
	3623	9.6	1.3	0.1	8.1	0.1	0.0
	3624	9.3	3.5	0.1	5.5	0.2	0.0
	3625	8.2	2.5	0.0	5.7	0.0	0.0
	3626	11.1	2.7	0.0	8.3	0.1	0.0
	3627	11.5	0.7	0.1	10.2	0.2	0.2
	3628	na	na	na	na	na	na
	3629	11.4	4.7	0.0	6.7	0.0	0.0
	3630	16.7	3.9	0.0	11.6	0.8	0.0

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	RBC (x 10^6/mm^3)	HGB (g/dl)	HCT (%)	PT (sec.)	APTT (sec.)	RETIC (% rbc)
0 mg/kg/day	3541	8.51	15.3	43.2	11.6	16.3	0.2
	3542	8.07	15.0	41.3	11.5	25.3	1.8
	3543	8.48	15.3	44.1	13.1	37.1	0.6
	3544	8.47	15.9	46.5	11.4	37.3	0.9
	3545	8.29	15.5	44.4	11.0	34.1	1.3
	3546	8.33	15.6	45.2	11.5	40.1	0.4
	3547	8.31	15.8	44.5	10.8	38.8	0.2
	3548	8.19	16.6	46.6	9.4	35.2	1.0
	3549	7.33	14.4	39.2	11.4	34.9	0.8
	3550	8.36	15.7	44.8	10.6	40.3	0.1
50 mg/kg/day	3571	8.60	15.8	45.9	11.3	36.4	0.4
	3572	8.46	15.6	43.7	11.4	36.9	0.6
	3573	8.48	15.4	44.2	11.1	43.6	0.1
	3574	8.73	16.7	47.3	10.9	32.0	0.8
	3575	9.53	17.3	47.8	13.6	48.3	1.3
	3576	8.37	16.1	45.0	12.5	39.1	0.4
	3577	7.81	15.7	43.3	6.6	38.2	0.5
	3578	8.44	15.3	42.8	11.8	35.1	0.7
	3579	8.01	14.9	41.4	10.8	31.0	0.2
	3580	8.29	16.0	45.4	10.9	37.5	0.8
150 mg/kg/day	3601	8.31	16.0	45.7	11.5	27.4	0.7
	3602	8.21	15.9	44.2	12.5	37.7	0.2
	3603	8.68	16.7	45.2	10.5	39.1	0.3
	3604	8.51	15.8	46.2	11.1	35.3	1.0
	3605	9.07	16.5	47.6	10.8	38.1	1.5
	3606	8.51	16.0	44.8	5.9	36.1	0.1
	3607	8.79	17.1	50.1	10.6	36.0	0.4
	3608	8.33	15.8	43.8	11.7	35.6	0.6
	3609	8.24	15.8	45.2	11.3	35.7	1.7
	3610	8.40	16.3	45.4	13.0	44.9	1.5
450 mg/kg/day	3631	8.15	15.5	44.3	9.3	33.1	1.0
	3632	8.18	15.0	42.0	11.0	34.9	0.2
	3633	7.94	14.9	43.1	11.4	40.4	0.5
	3634	9.00	17.1	49.0	11.1	35.5	1.3
	3635	7.77	15.3	43.5	11.1	38.8	0.1
	3636	8.56	16.3	47.6	11.4	36.5	0.8
	3637	8.22	15.8	43.8	12.6	39.2	1.0
	3638	8.01	14.3	39.8	8.0	39.1	0.2
	3639	9.41	16.6	47.3	11.9	33.7	1.0
	3640	7.74	15.7	44.3	10.8	34.6	0.4

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (% WBC)	BANDS (% WBC)	LYMPHS (% WBC)	MONO (% WBC)	EOS (% WBC)
0 mg/kg/day	3541	8.7	13	0	85	1	1
	3542	8.5	12	1	85	0	2
	3543	6.5	18	0	82	0	0
	3544	5.8	15	3	80	0	2
	3545	8.0	18	0	75	6	1
	3546	8.5	8	1	88	2	1
	3547	10.6	11	0	83	4	2
	3548	10.7	13	1	84	1	1
	3549	8.2	18	0	78	1	3
	3550	11.6	28	0	70	0	2
50 mg/kg/day	3571	6.7	14	0	82	2	2
	3572	8.5	17	0	82	1	0
	3573	10.4	11	0	85	0	4
	3574	7.2	11	2	85	0	2
	3575	13.0	13	3	82	1	1
	3576	13.7	19	0	79	2	0
	3577	11.0	40	1	58	0	1
	3578	7.6	25	0	75	0	0
	3579	9.9	8	0	89	2	1
	3580	6.2	11	0	87	2	0
150 mg/kg/day	3601	11.4	7	1	91	0	1
	3602	7.1	14	0	84	1	1
	3603	11.0	9	3	84	4	0
	3604	8.3	14	0	84	1	1
	3605	10.2	8	2	88	0	2
	3606	6.4	48	0	52	0	0
	3607	7.9	15	1	83	1	0
	3608	13.5	8	0	91	0	1
	3609	8.0	19	1	77	2	1
	3610	9.0	10	0	89	0	1
450 mg/kg/day	3631	9.8	9	0	91	0	0
	3632	7.0	16	0	83	0	1
	3633	9.6	5	3	90	2	0
	3634	11.8	35	1	59	2	3
	3635	4.7	10	0	88	2	0
	3636	13.2	16	0	82	0	2
	3637	9.9	6	2	89	0	3
	3638	6.3	26	4	67	0	3
	3639	5.6	14	0	84	1	1
	3640	8.6	23	0	75	0	2

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE HEMATOLOGY VALUES
(Terminal Sacrifice)

DOSE LEVEL	ANIMAL NO.	WBC (x 10^3/mm^3)	SEGS (x 10^3/mm^3)	BANDS (x 10^3/mm^3)	LYMPHS (x 10^3/mm^3)	MONO (x 10^3/mm^3)	EOS (x 10^3/mm^3)
0 mg/kg/day	3541	8.7	1.1	0.0	7.4	0.1	0.1
	3542	8.5	1.0	0.1	7.2	0.0	0.2
	3543	6.5	1.2	0.0	5.3	0.0	0.0
	3544	5.8	0.9	0.2	4.6	0.0	0.1
	3545	8.0	1.4	0.0	6.0	0.5	0.1
	3546	8.5	0.7	0.1	7.5	0.2	0.1
	3547	10.6	1.2	0.0	8.8	0.4	0.2
	3548	10.7	1.4	0.1	9.0	0.1	0.1
	3549	8.2	1.5	0.0	6.4	0.1	0.2
	3550	11.6	3.2	0.0	8.1	0.0	0.2
50 mg/kg/day	3571	6.7	0.9	0.0	5.5	0.1	0.1
	3572	8.5	1.4	0.0	7.0	0.1	0.0
	3573	10.4	1.1	0.0	8.8	0.0	0.4
	3574	7.2	0.8	0.1	6.1	0.0	0.1
	3575	13.0	1.7	0.4	10.7	0.1	0.1
	3576	13.7	2.6	0.0	10.8	0.3	0.0
	3577	11.0	4.4	0.1	6.4	0.0	0.1
	3578	7.6	1.9	0.0	5.7	0.0	0.0
	3579	9.9	0.8	0.0	8.8	0.2	0.1
	3580	6.2	0.7	0.0	5.4	0.1	0.0
150 mg/kg/day	3601	11.4	0.8	0.1	10.4	0.0	0.1
	3602	7.1	1.0	0.0	6.0	0.1	0.1
	3603	11.0	1.0	0.3	9.2	0.4	0.0
	3604	8.3	1.2	0.0	7.0	0.1	0.1
	3605	10.2	0.8	0.2	9.0	0.0	0.2
	3606	6.4	3.1	0.0	3.3	0.0	0.0
	3607	7.9	1.2	0.1	6.6	0.1	0.0
	3608	13.5	1.1	0.0	12.3	0.0	0.1
	3609	8.0	1.5	0.1	6.2	0.2	0.1
	3610	9.0	0.9	0.0	8.0	0.0	0.1
450 mg/kg/day	3631	9.8	0.9	0.0	8.9	0.0	0.0
	3632	7.0	1.1	0.0	5.8	0.0	0.1
	3633	9.6	0.5	0.3	8.6	0.2	0.0
	3634	11.8	4.1	0.1	7.0	0.2	0.4
	3635	4.7	0.5	0.0	4.1	0.1	0.0
	3636	13.2	2.1	0.0	10.8	0.0	0.3
	3637	9.9	0.6	0.2	8.8	0.0	0.3
	3638	6.3	1.6	0.3	4.2	0.0	0.2
	3639	5.6	0.8	0.0	4.7	0.1	0.1
	3640	8.6	2.0	0.0	6.5	0.0	0.2

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
(Interim Sacrifice)

DOSE LEVEL	ANIMAL NO.	GLU (mg/dl)	BUN (mg/dl)	SGPT (Iu/l)	SGOT (Iu/l)	T PRO (g/dl)	ALB (g/dl)	GLOB (g/dl)	ALB/GLOB (ratio)	CHOL (mg/dl)
0 mg/kg/day	3401	170.9	13.7	22	78	6.2	3.5	2.7	1.296	66.8
	3402	243.6	16.0	32	68	8.2	4.1	4.1	1.000	76.7
	3403 a	na	na	na	na	na	na	na	na	na
	3404	269.2	15.4	21	81	7.1	3.5	3.6	0.972	71.2
	3405	194.4	16.3	21	80	6.1	3.3	2.8	1.179	59.7
	3406	281.2	21.5	34	63	8.6	4.5	4.1	1.098	75.5
	3407	398.4	17.9	28	44	8.8	4.6	4.2	1.095	92.9
	3408	184.5	16.1	29	103	6.6	3.4	3.2	1.063	71.9
	3409	201.1	20.6	26	86	7.1	3.8	3.3	1.152	75.7
	3410	299.8	22.5	29	64	8.4	4.4	4.0	1.100	87.5
50 mg/kg/day	3431	225.4	18.6	38	67	8.0	4.3	3.7	1.162	74.5
	3432	254.9	17.8	31	62	8.3	4.3	4.0	1.075	104.3
	3433	238.3	11.6	24	84	6.4	3.5	2.9	1.207	63.7
	3434	168.3	13.2	23	84	6.3	3.5	2.8	1.250	56.2
	3435	207.0	16.4	41	104	6.9	3.6	3.3	1.091	80.1
	3436	484.6	16.7	26	56	7.4	4.0	3.4	1.176	86.7
	3437	206.5	19.6	39	62	8.2	4.2	4.0	1.050	96.3
	3438	182.7	15.1	280	502	6.1	3.2	2.9	1.103	61.8
	3439	209.2	14.8	37	71	7.6	3.8	3.8	1.000	61.8
	3440	224.4	16.2	14	72	6.7	3.5	3.2	1.094	63.7
150 mg/kg/day	3461	275.5	17.8	24	43	7.3	3.9	3.4	1.147	86.7
	3462	403.6	22.2	38	51	8.2	4.2	4.0	1.050	96.2
	3463	184.4	18.6	15	84	6.7	3.7	3.0	1.233	100.5
	3464	147.7	13.8	21	102	6.1	3.3	2.8	1.179	45.6
	3465	162.2	15.4	25	80	6.6	3.5	3.1	1.129	104.0
	3466	330.6	17.6	29	45	8.0	4.4	3.6	1.222	73.0
	3467	217.8	13.1	31	68	7.3	3.8	3.5	1.086	85.7
	3468	274.4	17.6	21	78	6.6	3.6	3.0	1.200	66.4
	3469	222.6	16.6	37	67	8.1	4.1	4.0	1.025	64.5
	3470	353.1	25.5	33	57	8.4	4.2	4.2	1.000	96.5
450 mg/kg/day	3491	178.7	17.7	46	55	7.6	3.9	3.7	1.054	63.0
	3492	166.5	11.8	22	84	6.0	3.3	2.7	1.222	59.2
	3493	220.1	17.0	41	61	7.9	3.9	4.0	0.975	88.0
	3494	314.8	17.8	28	86	6.4	3.4	3.0	1.133	74.9
	3495	210.5	11.4	30	91	6.5	3.5	3.0	1.167	88.9
	3496	182.8	13.6	21	85	6.4	3.6	2.8	1.286	61.3
	3497	190.8	19.5	22	75	6.4	3.4	3.0	1.133	69.7
	3498	198.8	20.2	29	140	7.1	3.7	3.4	1.088	69.7
	3499	121.2	15.1	27	102	6.3	3.5	2.8	1.250	63.3
	3500	430.2	15.5	61	80	7.6	3.8	3.8	1.000	88.8

[a] No blood sample was obtained; no data available.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	D BIL (mg/dl)	T BIL (mg/dl)	Na (Meq/l)	K (Meq/l)	Cl (Meq/l)	ALK PHOS (Iu/l)	CO2 (Meq/l)	CREAT (mg/dl)	PHOS (mg/dl)
0 mg/kg/day	3401	0.01	0.18	154.0	9.7	98	98	26	0.63	11.2
	3402	0.01	0.09	150.0	11.8	97	71	16	0.74	9.3
	3403[a]	na	na	na	na	na	na	na	na	na
	3404	0.01	0.14	152.0	10.8	97	123	22	0.69	10.1
	3405	0.02	0.14	154.0	10.8	103	71	21	0.72	10.1
	3406	0.02	0.16	148.0	11.4	99	64	17	0.79	11.4
	3407	0.01	0.13	150.0	18.8	104	53	9	0.60	11.1
	3408	0.04	0.20	151.0	10.8	98	80	20	0.66	9.8
	3409	0.03	0.17	152.0	10.1	99	66	20	0.73	10.3
	3410	0.01	0.16	149.0	10.7	104	52	23	0.76	10.2
50 mg/kg/day	3431	0.02	0.14	142.0	10.5	102	44	20	0.74	8.1
	3432	0.00	0.12	148.0	22.7	102	53	16	0.67	9.2
	3433	0.02	0.09	152.0	8.5	103	53	22	0.64	9.0
	3434	0.08	0.11	151.0	9.9	103	112	21	0.74	9.4
	3435	0.01	0.12	153.0	7.5	103	77	22	0.69	11.1
	3436	0.08	0.19	148.0	8.3	102	47	18	0.89	9.9
	3437	0.01	0.09	152.0	7.1	101	110	23	0.63	9.0
	3438	0.02	0.13	154.0	7.3	105	108	20	0.76	9.9
	3439	0.01	0.15	145.0	7.8	101	62	22	0.78	10.4
	3440	0.08	0.13	152.0	12.0	107	78	15	0.76	10.4
150 mg/kg/day	3461	0.03	0.14	147.0	12.3	100	50	25	0.71	12.2
	3462	0.06	0.18	154.0	12.5	100	52	19	0.89	10.9
	3463	0.01	0.19	151.0	12.5	101	57	20	0.70	10.2
	3464	0.01	0.18	152.0	11.3	102	66	20	0.73	10.2
	3465	0.05	0.27	151.0	9.1	102	69	23	0.97	10.4
	3466	0.04	0.13	149.0	8.3	100	59	22	0.85	10.1
	3467	0.02	0.12	147.0	9.6	101	80	18	0.88	9.5
	3468	0.08	0.11	151.0	6.8	102	107	27	0.76	11.4
	3469	0.02	0.18	QNS	QNS	QNS	65	QNS	0.70	9.7
	3470	0.01	0.19	150.0	9.2	103	89	20	0.74	10.8
450 mg/kg/day	3491	0.01	0.10	146.0	10.2	103	74	18	0.53	12.4
	3492	0.03	0.15	154.0	6.4	101	53	26	0.68	10.1
	3493	0.01	0.16	144.0	8.4	100	75	20	0.66	9.7
	3494	0.01	0.11	146.0	6.8	100	82	22	0.75	10.9
	3495	0.00	0.15	150.0	11.6	101	68	20	0.75	11.1
	3496	0.06	0.20	154.0	15.2	104	81	15	0.70	11.6
	3497	0.02	0.09	146.0	8.1	100	52	23	0.71	11.1
	3498	0.03	0.14	145.0	9.7	98	73	22	0.70	10.7
	3499	0.01	0.20	119.0	6.9	76	62	15	0.54	9.4
	3500	0.02	0.16	139.0	12.9	105	47	19	0.97	10.9

[a] No blood sample was obtained; no data available.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	GLU (mg/dl)	BUN (mg/dl)	SGPT (Iu/l)	SGOT (Iu/l)	T PRO (g/dl)	ALB (g/dl)	GLOB (g/dl)	ALB/GLOB (ratio)	CHOL (mg/dl)
0 mg/kg/day	3411	243.2	12.8	30	79	7.1	3.9	3.2	1.219	67.0
	3412	268.7	14.0	32	86	6.2	3.8	2.4	1.583	53.8
	3413	264.9	17.0	23	72	6.8	3.7	3.1	1.194	54.4
	3414	302.4	9.1	26	79	7.0	4.1	2.9	1.414	46.9
	3415	205.8	14.3	21	69	6.7	3.7	3.0	1.233	83.2
	3416	178.1	13.2	37	102	7.2	4.1	3.1	1.323	39.7
	3417	183.7	14.7	QNS	68	6.0	3.8	2.2	1.727	65.2
	3418	185.4	10.2	27	63	7.0	3.8	3.2	1.188	55.7
	3419	183.6	13.2	29	64	6.7	3.4	3.3	1.030	51.2
	3420	221.3	14.4	29	83	6.5	4.1	2.4	1.708	54.7
50 mg/kg/day	3441	185.9	13.1	27	77	7.4	4.2	3.2	1.313	53.2
	3442	184.6	12.5	27	73	6.2	3.8	2.4	1.583	73.7
	3443	288.6	13.5	28	63	5.6	3.6	2.0	1.800	65.6
	3444	233.2	13.8	22	61	5.7	3.9	1.8	2.167	68.8
	3445	240.4	13.9	29	81	7.0	3.9	3.1	1.258	60.8
	3446	182.3	15.2	32	85	7.0	4.0	3.0	1.333	47.7
	3447	246.2	18.3	25	76	7.5	4.0	3.5	1.143	64.9
	3448	189.5	10.6	26	66	6.9	3.7	3.2	1.156	46.5
	3449	269.6	11.5	24	68	7.3	4.0	3.3	1.212	109.6
	3450	271.7	13.0	31	78	6.6	3.9	2.7	1.444	56.7
150 mg/kg/day	3471	230.2	13.6	34	83	6.9	3.9	3.0	1.300	75.1
	3472	206.3	16.1	46	117	7.2	4.2	3.0	1.400	73.8
	3473	267.2	19.7	34	90	7.1	3.5	3.6	0.972	56.9
	3474	147.7	14.4	40	122	6.0	4.1	1.9	2.158	73.0
	3475	258.1	15.7	99	130	7.7	4.2	3.5	1.200	51.6
	3476	326.8	11.3	40	93	7.5	4.0	3.5	1.143	55.5
	3477	230.4	11.1	25	52	6.5	3.6	2.9	1.241	47.4
	3478	277.1	14.4	30	94	7.7	5.4	3.2	1.688	106.1
	3479	250.5	11.5	31	96	6.8	3.8	3.0	1.267	49.2
	3480	217.6	12.0	23	93	7.6	4.5	3.1	1.452	75.9
450 mg/kg/day	3501	312.9	17.5	32	92	5.8	3.9	1.9	2.053	52.9
	3502	206.0	10.1	38	69	6.6	3.7	2.9	1.276	48.7
	3503	222.4	14.3	32	108	7.2	4.2	3.0	1.400	67.8
	3505	201.7	14.1	37	96	7.2	4.0	3.2	1.250	50.5
	3506	230.3	13.1	35	70	7.6	4.1	3.5	1.171	76.9
	3507	213.8	13.8	23	62	6.1	3.7	2.4	1.542	66.5
	3508	197.2	16.3	36	125	7.3	4.4	2.9	1.517	75.6
	3509	276.2	13.3	33	72	6.6	3.6	3.0	1.200	48.4
	3510	206.2	15.3	19	73	6.8	4.0	2.8	1.429	62.3
	3519	266.7	11.5	29	92	4.9	3.6	1.3	2.769	48.8

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	D BIL (mg/dl)	T BIL (mg/dl)	Ca (mg/dl)	Na (Meq/l)	K (Meq/l)	Cl (Meq/l)	ALK PHOS (Iu/l)	CO2 (Meq/l)	CREAT (mg/dl)	PHOS (mg/dl)
0 mg/kg/day	3411	0.02	0.13	13.0	146	5.3	103	89	23	0.79	7.9
	3412	0.01	0.15	7.0	QNS	QNS	QNS	70	QNS	QNS	QNS
	3413	0.00	0.10	11.9	147	5.6	105	65	24	0.79	8.7
	3414	0.06	0.18	10.0	148	6.1	103	46	22	0.70	8.4
	3415	0.02	0.11	10.8	141	6.1	105	51	21	0.78	8.1
	3416	0.08	0.22	9.1	146	7.4	103	73	31	0.67	10.0
	3417	0.00	0.12	7.0	QNS	QNS	QNS	45	QNS	QNS	QNS
	3418	0.00	0.08	11.2	147	6.4	102	100	18	0.64	8.0
	3419	0.02	0.14	11.6	144	6.2	101	37	27	0.70	8.2
	3420	0.01	0.16	6.9	QNS	QNS	QNS	44	QNS	0.28	QNS
50 mg/kg/day	3441	0.05	0.18	9.5	147	7.1	102	105	26	0.64	8.3
	3442	0.00	0.10	7.0	QNS	QNS	QNS	72	QNS	0.66	QNS
	3443	0.01	0.11	11.2	143	4.9	103	89	20	0.67	7.1
	3444	0.01	0.17	10.6	144	5.3	104	123	22	0.69	7.8
	3445	0.00	0.21	12.8	145	6.3	100	99	29	0.97	8.4
	3446	0.02	0.16	10.8	139	8.3	103	80	22	0.72	8.9
	3447	0.01	0.19	12.8	141	5.7	102	120	19	0.83	9.1
	3448	0.08	0.12	10.9	148	5.6	101	36	25	0.75	7.0
	3449	0.01	0.13	13.0	142	5.8	107	81	18	0.73	10.2
	3450	0.01	0.10	7.0	QNS	QNS	QNS	64	QNS	0.68	QNS
150 mg/kg/day	3471	0.02	0.12	11.7	147	5.6	101	60	21	0.76	8.8
	3472	0.02	0.19	9.3	148	6.2	102	47	32	0.85	9.1
	3473	0.02	0.11	8.9	143	6.8	105	58	24	0.79	8.6
	3474	0.03	0.17	7.0	QNS	QNS	QNS	126	QNS	0.66	QNS
	3475	0.06	0.13	9.2	146	8.4	98	66	25	0.79	8.5
	3476	0.00	0.10	12.2	146	5.7	100	70	26	0.98	7.1
	3477	0.01	0.10	10.0	146	9.7	102	40	18	0.66	8.7
	3478	0.02	0.25	6.9	QNS	QNS	QNS	25	QNS	0.79	QNS
	3479	0.01	0.12	11.4	141	5.3	104	87	28	0.80	7.4
	3480	0.01	0.29	7.4	QNS	QNS	QNS	84	QNS	0.70	5.4
450 mg/kg/day	3501	0.01	0.14	10.9	144	6.0	105	109	18	0.77	8.4
	3502	0.01	0.08	9.7	143	7.2	105	103	20	0.63	8.5
	3503	0.12	0.23	10.5	150	5.9	107	61	30	0.89	9.0
	3505	0.01	0.14	9.8	QNS	QNS	QNS	61	QNS	0.66	8.7
	3506	0.01	0.18	12.6	145	6.0	104	133	20	0.83	9.4
	3507	0.00	0.14	7.0	QNS	QNS	QNS	58	QNS	QNS	QNS
	3508	0.25	0.19	10.2	147	6.3	102	79	33	1.03	8.1
	3509	0.00	0.10	10.4	147	8.1	102	94	16	0.67	9.3
	3510	0.00	0.13	7.0	QNS	QNS	QNS	81	QNS	QNS	QNS
	3519	0.06	0.16	na	QNS	QNS	QNS	103	QNS	0.73	9.4

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	GLU (mg/dl)	BUN (mg/dl)	SGPT (Iu/l)	SGOT (Iu/l)	T PRO (g/dl)	ALB (g/dl)	GLOB (g/dl)	ALB/GLOB (ratio)	CHOL (mg/dl)
0 mg/kg/day	3531	193.2	16.0	39	93	7.2	4.2	3.0	1.400	95.9
	3532	113.6	15.4	25	89	6.6	3.6	3.0	1.200	75.5
	3533	278.3	20.4	29	70	8.2	4.4	3.8	1.158	106.7
	3534	246.6	23.2	51	92	8.6	4.2	4.4	0.955	105.8
	3535	196.0	20.0	26	86	6.6	3.7	2.9	1.276	71.2
	3536	198.2	18.4	16	81	6.8	4.2	2.6	1.615	104.9
	3537	114.9	22.0	25	70	7.2	4.1	3.1	1.323	88.9
	3538	163.5	17.2	19	80	6.6	3.9	2.7	1.444	99.8
	3539	338.4	21.4	31	59	8.8	5.4	3.4	1.588	134.7
	3540	205.3	22.5	32	66	8.1	4.3	3.8	1.132	113.9
50 mg/kg/day	3561	159.1	22.5	17	68	6.4	3.5	2.9	1.207	84.6
	3562	272.9	21.3	36	69	8.3	5.0	3.3	1.515	106.1
	3563	166.8	17.2	30	99	7.6	4.4	3.2	1.375	115.4
	3564	138.5	10.7	22	74	7.2	4.0	3.2	1.250	68.5
	3565	158.6	14.8	42	80	8.6	4.4	4.2	1.048	114.4
	3566	227.2	19.0	43	76	8.3	4.8	3.5	1.371	84.7
	3567	318.6	21.3	41	61	10.2	6.0	4.2	1.429	128.4
	3568	152.4	22.4	45	85	8.2	4.3	3.9	1.103	118.3
	3569	195.3	23.8	30	74	7.2	4.2	3.0	1.400	90.0
	3570	330.2	23.0	35	84	8.0	4.6	3.4	1.353	94.9
150 mg/kg/day	3591	323.8	26.2	25	72	8.8	4.7	4.1	1.146	120.5
	3592	120.7	25.8	19	76	6.2	3.6	2.6	1.385	71.8
	3593	242.3	20.6	43	68	9.1	4.5	4.6	0.978	141.5
	3594	144.6	17.3	25	88	6.9	3.8	3.1	1.226	77.9
	3595	195.7	26.8	43	63	8.9	5.0	3.9	1.282	109.0
	3596	150.3	20.1	41	80	7.9	4.4	3.5	1.257	94.5
	3597	277.2	19.7	49	74	8.7	4.8	3.9	1.231	119.4
	3598	121.0	18.7	22	97	7.2	4.0	3.2	1.250	88.2
	3599	192.8	15.7	35	61	8.1	4.5	3.6	1.250	102.7
	3600	98.6	24.9	QNS	QNS	6.5	3.9	2.6	1.500	76.5
450 mg/kg/day	3621	511.6	14.9	40	57	8.4	4.7	3.7	1.270	162.9
	3622	208.4	21.7	67	111	9.9	4.0	5.9	0.678	146.5
	3623	142.0	16.2	22	88	6.3	3.7	2.6	1.423	73.4
	3624	148.6	17.3	25	84	6.5	3.6	2.9	1.241	88.0
	3625	266.9	21.8	48	53	9.3	4.6	4.7	0.979	161.1
	3626	199.3	17.5	27	115	6.5	3.8	2.7	1.407	100.2
	3627	139.8	19.0	22	78	6.8	3.9	2.9	1.345	99.7
	3628	106.1	21.3	57	85	7.8	4.4	3.4	1.294	92.5
	3629	349.9	19.9	20	83	7.9	4.2	3.7	1.135	107.0
	3630	230.5	25.2	36	55	9.0	5.6	3.4	1.647	123.1

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Interim Sacrifice]

DOSE LEVEL	ANIMAL NO.	D BIL (mg/dl)	T BIL (mg/dl)	Na (Meq/l)	K (Meq/l)	Cl (Meq/l)	ALK PHOS (Iu/l)	CO2 (Meq/l)	CREAT (mg/dl)	PHOS (mg/dl)
0 mg/kg/day	3531	0.02	0.17	153	8.4	103	31	18	0.65	9.7
	3532	0.06	0.18	QNS	QNS	QNS	46	QNS	0.73	9.9
	3533	0.02	0.09	141	21.7	108	36	13	0.81	9.3
	3534	0.02	0.21	177	10.8	128	57	15	1.02	9.2
	3535	0.05	0.11	145	9.8	102	82	23	0.69	10.5
	3536	0.03	0.15	157	12.1	109	53	12	0.77	9.8
	3537	0.01	0.14	QNS	QNS	QNS	85	QNS	0.67	11.2
	3538	0.03	0.18	147	12.1	100	47	22	0.41	10.3
	3539	0.07	0.18	146	20.3	111	67	11	0.94	8.3
	3540	0.00	0.08	142	10.2	102	41	23	0.45	10.4
50 mg/kg/day	3561	0.03	0.09	150	10.0	100	59	22	0.69	9.9
	3562	0.01	0.16	151	na	110	45	9	0.88	10.2
	3563	0.08	0.21	150	11.3	104	32	18	0.82	9.7
	3564	0.02	0.14	150	10.4	103	60	18	0.65	10.4
	3565	0.02	0.21	QNS	QNS	QNS	32	QNS	0.76	11.7
	3566	0.06	0.25	150	12.6	103	35	15	0.81	11.5
	3567	0.02	0.15	QNS	QNS	QNS	79	QNS	0.75	11.1
	3568	0.00	0.15	208	11.3	158	46	19	0.83	10.7
	3569	0.08	0.14	151	9.7	102	34	21	0.72	11.5
	3570	0.07	0.14	153	8.5	105	47	32	0.81	11.2
150 mg/kg/day	3591	0.01	0.23	147	13.2	108	48	10	0.85	10.5
	3592	0.03	0.16	QNS	QNS	QNS	39	QNS	0.80	10.8
	3593	0.04	0.23	176	19.4	141	41	11	0.41	10.7
	3594	0.03	0.16	148	10.8	100	75	16	0.75	10.7
	3595	0.01	0.18	145	17.0	102	44	14	0.81	11.8
	3596	0.01	0.17	QNS	QNS	QNS	59	QNS	0.90	11.6
	3597	0.01	0.17	QNS	QNS	QNS	86	QNS	0.78	12.6
	3598	0.07	0.17	QNS	QNS	QNS	71	QNS	0.57	11.5
	3599	0.01	0.10	142	12.3	106	32	18	0.57	11.4
	3600	0.08	0.17	151	17.7	108	47	16	0.73	11.8
450 mg/kg/day	3621	0.04	0.16	145	14.2	99	68	12	0.85	9.5
	3622	0.01	0.27	QNS	QNS	QNS	88	QNS	1.02	11.6
	3623	0.06	0.21	148	12.2	103	42	24	0.81	10.1
	3624	0.02	0.13	150	9.0	105	33	22	0.72	10.6
	3625	0.00	0.14	183	16.1	139	51	16	0.71	8.6
	3626	0.06	0.22	151	9.9	102	54	20	0.93	8.8
	3627	0.01	0.10	146	11.9	98	35	23	0.78	11.0
	3628	0.02	0.17	143	14.1	105	46	25	0.91	11.3
	3629	0.07	0.18	151	9.9	108	65	14	0.96	11.0
	3630	0.07	0.20	QNS	QNS	QNS	31	QNS	0.92	10.2

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	GLU (mg/dl)	BUN (mg/dl)	SGPT (Iu/l)	SGOT (Iu/l)	T PRO (g/dl)	ALB (g/dl)	GLOB (g/dl)	ALB/GLOB (ratio)	CHOL (mg/dl)
0 mg/kg/day	3541	217.4	25.0	38	99	8.1	4.9	3.2	1.531	84.8
	3542	215.2	12.0	37	96	6.3	3.4	2.9	1.172	61.7
	3543	260.6	16.1	23	84	7.7	4.4	3.3	1.333	83.9
	3544	247.7	16.4	38	124	7.9	4.8	3.1	1.548	96.1
	3545	223.6	11.7	26	89	7.7	4.8	2.9	1.655	99.1
	3546	184.7	15.0	33	102	7.7	5.0	2.7	1.852	77.8
	3547	165.2	12.8	31	86	6.3	4.1	2.2	1.864	89.1
	3548	156.3	13.7	36	84	6.7	4.4	2.3	1.913	105.8
	3549	246.7	20.5	24	68	6.8	3.9	2.9	1.345	74.9
	3550	239.5	17.5	92	202	7.9	5.1	2.8	1.821	81.8
50 mg/kg/day	3571	202.7	14.0	41	95	8.0	5.0	3.0	1.667	91.6
	3572	207.2	12.8	52	84	8.0	4.6	3.4	1.353	93.7
	3573	253.8	11.6	38	85	6.9	4.6	2.3	2.000	71.6
	3574	239.8	19.7	24	82	7.2	4.4	2.8	1.571	90.4
	3575	174.1	15.3	42	89	7.2	3.9	3.3	1.182	64.9
	3576	205.1	18.7	25	93	8.1	4.5	3.6	1.250	71.3
	3577	184.4	13.4	30	79	7.3	4.0	3.3	1.212	70.7
	3578	202.2	16.4	22	80	6.8	3.8	3.0	1.267	82.5
	3579	153.7	13.1	39	93	6.2	3.8	2.4	1.583	49.7
	3580	217.3	11.0	20	68	8.0	4.9	3.1	1.581	88.0
150 mg/kg/day	3601	169.5	11.9	30	95	7.7	4.8	2.9	1.655	95.5
	3602	203.1	15.1	30	64	7.9	4.9	3.0	1.633	71.3
	3603	187.0	17.0	22	85	7.5	3.9	3.6	1.083	58.8
	3604	255.7	19.9	34	104	7.6	4.9	2.7	1.815	na
	3605	119.0	21.8	26	73	7.1	4.2	2.9	1.448	71.9
	3606	181.8	13.8	20	58	7.1	4.2	2.9	1.448	75.9
	3607	134.6	12.5	23	83	5.9	4.3	1.6	2.687	37.0
	3608	248.7	15.0	27	101	6.9	4.0	2.9	1.379	69.9
	3609	218.0	11.6	26	88	7.0	4.3	2.7	1.593	69.8
	3610	274.1	17.9	21	66	6.9	4.6	2.3	2.000	79.2
450 mg/kg/day	3631	185.4	13.2	21	74	5.9	3.9	2.0	1.950	69.7
	3632	183.0	14.8	29	77	7.1	4.1	3.0	1.367	80.0
	3633	215.2	11.7	53	118	7.2	4.7	2.5	1.880	57.4
	3634	209.6	14.8	31	85	7.6	4.7	2.9	1.621	65.7
	3635	170.2	14.0	23	66	7.2	4.2	3.0	1.400	62.8
	3636	172.8	22.4	48	104	7.8	5.0	2.8	1.786	98.9
	3637	163.6	15.1	24	65	7.2	4.3	2.9	1.483	86.1
	3638	309.2	11.0	32	68	8.4	4.9	3.5	1.400	94.2
	3639	149.0	13.9	43	86	6.3	4.7	1.6	2.938	101.3
	3640	307.5	12.2	29	92	7.6	5.0	2.6	1.923	97.4

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE CLINICAL CHEMISTRY VALUES
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	D BIL (mg/dl)	T BIL (mg/dl)	Ca (mg/dl)	Na (Meq/l)	K (Meq/l)	Cl (Meq/l)	ALK PHOS (Iu/l)	CO2 (Meq/l)	CREAT (mg/dl)	PHOS (mg/dl)
0 mg/kg/day	3541	0.00	0.14	14.0	142	5.6	102	30	16	0.84	8.7
	3542	0.02	0.11	12.6	143	7.3	108	51	21	0.78	7.5
	3543	0.00	0.06	12.6	144	6.4	104	71	14	0.88	8.7
	3544	0.01	0.13	14.0	144	8.7	102	42	15	0.76	8.6
	3545	0.03	0.16	9.9	QNS	QNS	QNS	33	QNS	0.76	6.9
	3546	0.04	0.27	10.6	147	7.8	103	62	25	0.86	8.7
	3547	0.01	0.20	6.9	QNS	QNS	QNS	83	QNS	0.59	QNS
	3548	0.01	0.19	10.4	QNS	QNS	QNS	50	QNS	0.72	7.8
	3549	0.01	0.07	10.6	143	7.7	101	59	18	0.74	6.7
	3550	0.01	0.18	11.0	QNS	QNS	QNS	32	QNS	0.80	8.7
50 mg/kg/day	3571	0.07	0.15	11.3	147	6.2	103	71	27	0.85	7.5
	3572	0.00	0.37	11.4	QNS	QNS	QNS	256	QNS	0.75	7.6
	3573	0.01	0.26	10.2	147	6.0	102	39	27	0.71	6.8
	3574	0.00	0.07	12.3	143	6.6	102	67	15	0.85	9.0
	3575	0.00	0.09	11.1	145	9.6	105	29	23	0.90	8.3
	3576	0.04	0.13	11.0	146	6.8	101	32	32	0.93	7.8
	3577	0.02	0.15	11.8	142	7.5	104	29	20	0.84	6.0
	3578	0.00	0.04	12.4	142	7.1	106	40	16	0.80	9.4
	3579	0.01	0.22	6.9	QNS	QNS	QNS	110	QNS	0.32	QNS
	3580	0.16	0.04	9.9	150	6.4	103	41	21	0.68	6.3
150 mg/kg/day	3601	0.06	0.24	10.3	QNS	QNS	QNS	46	QNS	0.71	7.8
	3602	0.02	0.17	11.7	146	5.9	99	50	21	0.76	7.2
	3603	0.00	0.15	10.6	QNS	QNS	QNS	56	QNS	0.77	8.2
	3604	0.01	0.15	11.5	147	9.3	103	73	20	0.93	7.8
	3605	0.00	0.13	12.5	155	8.9	108	54	16	0.74	10.0
	3606	0.01	0.10	9.9	143	6.8	106	25	19	0.66	6.2
	3607	0.00	0.14	10.1	143	9.4	107	32	19	0.67	9.1
	3608	0.03	0.17	11.8	143	6.7	102	71	23	0.74	6.3
	3609	0.00	0.16	8.2	QNS	QNS	QNS	75	QNS	0.68	7.3
	3610	0.01	0.15	12.4	141	7.0	105	49	16	0.83	8.3
450 mg/kg/day	3631	0.02	0.13	7.0	QNS	QNS	QNS	36	QNS	0.64	QNS
	3632	0.01	0.12	12.1	146	7.0	102	41	18	0.74	8.6
	3633	0.26	0.16	10.8	147	7.2	103	117	25	1.02	8.9
	3634	0.04	0.27	10.2	QNS	QNS	QNS	125	QNS	0.74	8.3
	3635	0.11	0.04	10.5	144	7.5	106	48	17	0.72	6.9
	3636	0.00	0.20	11.7	QNS	QNS	QNS	162	QNS	0.81	9.1
	3637	0.00	0.09	12.6	144	7.7	106	54	18	0.77	9.3
	3638	0.00	0.05	13.9	142	5.8	100	47	17	0.68	8.5
	3639	0.00	0.11	11.6	138	9.0	106	60	17	0.63	8.2
	3640	0.06	0.22	10.8	QNS	QNS	QNS	68	QNS	0.67	QNS

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
0 mg/kg/day	3411	2.038	21.503	0.874	2.246	2.244
	3412	1.992	19.033	0.940	2.369	2.353
	3413	1.938	17.491	0.798	2.057	1.945
	3414	2.023	17.071	0.840	2.076	2.122
	3415	1.720	18.392	0.861	1.784	1.989
	3416	1.831	16.403	0.698	1.639	2.060
	3417	1.601	13.979	0.920	1.628	1.693
	3418	1.651	20.427	0.916	2.221	2.157
	3419	1.907	17.690	0.893	1.982	2.159
	3420	1.612	14.292	0.579	1.803	1.960
	3421	2.018	21.558	0.787	2.285	2.213
	3422	2.385	24.654	1.051	2.379	2.481
	3423	1.645	17.683	0.824	2.065	2.106
	3424	1.747	18.119	0.862	1.961	1.904
	3425	1.771	18.281	0.784	2.218	2.143
	3426	1.601	17.270	0.760	1.811	1.878
	3427	1.635	20.387	0.776	2.327	2.333
	3428	1.696	16.166	0.738	2.191	2.239
	3429	1.788	17.647	0.678	2.127	2.024
	3430	1.625	18.839	0.808	1.775	1.881
50 mg/kg/day	3441	1.701	18.370	0.753	1.940	1.953
	3442	2.095	19.711	0.770	2.231	2.236
	3443	1.686	17.704	0.672	1.456	1.619
	3444	2.053	18.965	0.682	2.421	2.285
	3445	1.773	17.295	0.651	1.714	1.796
	3446	1.951	16.862	0.711	1.988	2.040
	3447	1.897	17.440	0.710	1.828	1.790
	3448	2.042	17.791	0.761	2.134	1.948
	3449	2.290	e	0.934	2.272	2.227
	3450	2.093	19.015	0.869	2.167	2.158
	3451	2.001	18.542	0.809	2.012	1.925
	3452	1.750	23.033	1.056	2.196	2.297
	3453	1.525	15.535	0.705	1.730	1.747
	3454	2.127	19.904	1.091	2.183	2.252
	3455	1.567	16.612	0.791	1.913	2.162
	3456	1.789	18.946	0.666	2.032	2.007
	3457	1.630	16.217	0.653	1.633	1.730
	3458	1.665	18.363	0.923	2.008	2.020
	3459	1.852	16.397	0.802	1.530	1.578
	3460	1.666	18.729	0.795	2.108	2.282

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE ORGAN WEIGHT DATA (g)

[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	TESTIS-LFT	TESTIS-RT	ADRENALS	BRAIN	THY./PARA.	TERM. WGT.
0 mg/kg/day	3411	1.730	1.744	0.078	2.186	0.042	609
	3412	1.794	1.676	0.082	2.356	0.052	604
	3413	1.829	1.826	0.078	2.363	0.056	530
	3414	1.855	1.833	0.093	2.232	0.065	569
	3415	1.735	1.734	0.071	2.232	0.042	569
	3416	1.754	1.834	0.067	2.261	0.025	495
	3417	1.722	1.731	0.120	2.260	0.061	599
	3418	1.913	1.728	0.093	2.184	0.052	527
	3419	1.702	1.743	0.064	2.283	0.039	566
	3420	1.578	1.561	0.093	2.085	0.104	429
	3421	2.089	1.999	0.065	2.182	0.018	595
	3422	1.675	1.601	0.088	2.371	0.031	691
	3423	1.822	1.877	0.059	2.252	0.024	553
	3424	1.805	1.846	0.044	2.237	0.043	569
	3425	2.029	1.975	0.037	2.298	0.032	565
	3426	1.607	1.640	0.070	2.164	0.022	495
	3427	1.702	1.610	0.068	2.427	0.028	548
	3428	3.347	3.781	0.068	2.200	0.048	546
	3429	1.944	1.975	0.068	2.265	0.024	526
	3430	1.548	1.556	0.096	2.155	0.031	504
50 mg/kg/day	3441	1.670	1.703	0.066	2.424	0.032	467
	3442	1.701	1.709	0.068	2.319	0.038	588
	3443	1.689	1.705	0.072	2.236	0.051	519
	3444	1.869	1.819	0.072	2.164	0.039	562
	3445	1.743	1.621	0.057	2.197	0.043	531
	3446	1.969	1.860	0.080	2.247	0.037	518
	3447	1.363	1.355	0.074	2.168	0.041	524
	3448	1.706	1.829	0.062	2.376	0.032	515
	3449	1.875	1.902	0.095	2.302	0.020	596
	3450	1.815	1.751	0.091	2.251	0.061	553
	3451	1.673	1.786	0.088	2.263	0.038	555
	3452	1.681	1.700	0.092	2.199	0.031	599
	3453	1.844	1.782	0.061	2.134	0.027	519
	3454	1.760	1.623	0.089	2.283	0.040	586
	3455	1.667	1.628	0.038	2.187	0.040	546
	3456	1.795	1.731	0.074	2.261	0.024	574
	3457	1.641	1.774	0.076	2.145	0.033	539
	3458	1.916	1.763	0.055	2.340	0.037	618
	3459	1.625	1.654	0.071	2.373	0.034	545
	3460	1.810	1.778	0.055	2.291	0.028	570

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
150 mg/kg/day	3471	2.030	16.382	0.709	1.986	2.131
	3472	1.688	16.498	0.770	2.171	2.133
	3473	1.811	15.185	0.832	1.803	1.698
	3474	1.994	17.066	0.688	1.898	1.827
	3475	1.564	13.710	0.575	1.949	1.700
	3476	1.597	12.893	0.610	1.787	1.785
	3477	1.680	17.035	0.605	1.741	1.781
	3478	1.891	10.246	0.659	2.042	2.101
	3479	1.639	17.627	0.776	1.873	2.014
	3480	1.790	14.282	0.493	2.265	2.268
	3481	1.878	17.941	0.659	1.962	1.908
	3482	1.911	20.386	0.908	2.339	2.300
	3483	1.718	19.149	0.688	2.273	2.404
	3484	1.686	16.428	0.795	1.642	1.538
	3485	1.636	15.365	0.691	1.857	1.914
	3486	1.541	14.742	0.707	1.831	1.769
	3487	1.732	14.730	1.025	2.081	1.942
	3488	2.089	19.012	0.779	2.082	2.190
	3489	1.881	14.601	0.595	1.911	1.958
	3490	1.522	15.274	0.756	1.867	1.828
450 mg/kg/day	3501	1.866	15.938	0.624	0.972	1.012
	3502	1.896	15.918	0.714	1.668	2.006
	3503	1.945	17.452	0.683	1.888	1.783
	3505	1.784	17.364	0.780	2.298	2.291
	3506	1.433	14.975	0.769	1.682	1.725
	3507	1.874	21.153	0.875	2.299	2.490
	3508	1.934	16.866	0.748	1.842	1.934
	3509	1.907	19.017	0.871	2.328	2.318
	3510	1.745	18.828	0.875	2.136	1.984
	3511	2.012	16.605	0.790	1.825	1.775
	3512	1.380	13.872	0.823	1.723	1.791
	3513	1.437	13.340	0.594	1.541	1.635
	3514	1.585	16.709	0.784	1.786	1.878
	3515	1.453	13.272	0.643	1.601	1.696
	3516	1.530	13.874	0.671	1.725	1.882
	3517	1.560	16.336	0.726	1.680	1.690
	3518	1.581	15.074	0.563	1.710	1.800
	3519	2.126	21.060	1.051	2.360	2.403
	3520	1.356	14.104	0.535	2.066	1.951

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

MALE ORGAN WEIGHT DATA (g)

[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	TESTIS-LFT	TESTIS-RT	ADRENALS	BRAIN	THY./PARA.	TERM. WGT.
150 mg/kg/day	3471	1.680	1.726	0.083	2.248	0.043	478
	3472	1.672	1.621	0.068	2.305	0.036	542
	3473	1.812	1.765	0.044	2.320	0.019	525
	3474	1.852	1.887	0.081	2.283	0.030	547
	3475	1.691	1.683	0.063	2.347	0.031	483
	3476	1.652	1.565	0.078	2.282	0.050	422
	3477	1.740	1.784	0.044	2.242	0.031	531
	3478	1.038	1.867	0.080	2.417	0.041	550
	3479	1.798	1.772	0.072	2.150	0.033	537
	3480	1.796	1.775	0.086	2.203	0.026	461
	3481	1.801	1.833	0.075	2.273	0.031	542
	3482	1.633	1.638	0.079	2.310	0.028	585
	3483	1.707	1.701	0.070	2.394	0.027	581
	3484	1.868	1.883	0.059	2.188	0.025	514
	3485	1.795	1.723	0.057	2.307	0.025	464
	3486	1.655	1.642	0.081	2.222	0.036	445
	3487	1.824	1.862	0.050	2.427	0.026	481
	3488	1.674	1.656	0.081	2.129	0.028	541
	3489	1.809	1.802	0.075	2.026	0.020	493
	3490	1.845	1.840	0.072	2.232	0.032	485
450 mg/kg/day	3501	1.790	1.721	0.096	2.298	0.049	489
	3502	1.667	1.601	0.051	2.737	0.032	431
	3503	1.832	1.834	0.071	2.107	0.030	511
	3505	1.727	1.792	0.088	2.367	0.038	492
	3506	1.739	1.721	0.069	2.618	0.046	456
	3507	1.756	1.704	0.077	2.406	0.047	575
	3508	1.761	1.768	0.074	2.187	0.033	508
	3509	1.911	2.790	0.094	2.395	0.049	530
	3510	1.631	1.717	0.070	2.203	0.026	534
	3511	1.625	1.646	0.070	2.256	0.038	545
	3512	1.671	1.672	0.053	2.074	0.019	450
	3513	1.693	1.616	0.044	2.004	0.023	450
	3514	1.648	1.703	0.031	2.277	0.035	494
	3515	1.632	1.602	0.074	2.202	0.012	442
	3516	1.778	1.806	0.075	2.207	0.052	429
	3517	1.616	1.558	0.103	2.214	0.021	470
	3518	1.872	1.828	0.061	2.200	0.024	448
	3519	1.698	1.653	0.099	2.331	0.044	458
	3520	1.584	1.707	0.066	2.078	0.042	416

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE MALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
0 mg/kg/day	3411	0.335	3.531	0.144	0.369	0.368
	3412	0.330	3.151	0.156	0.392	0.390
	3413	0.366	3.300	0.151	0.388	0.367
	3414	0.356	3.000	0.148	0.365	0.373
	3415	0.302	3.232	0.151	0.314	0.350
	3416	0.370	3.314	0.141	0.331	0.416
	3417	0.267	2.334	0.154	0.272	0.283
	3418	0.313	3.876	0.174	0.421	0.409
	3419	0.337	3.125	0.158	0.350	0.381
	3420	0.376	3.331	0.135	0.420	0.457
	3421	0.339	3.623	0.132	0.384	0.372
	3422	0.345	3.568	0.152	0.344	0.359
	3423	0.297	3.198	0.149	0.373	0.381
	3424	0.307	3.184	0.151	0.345	0.335
	3425	0.313	3.236	0.139	0.393	0.379
	3426	0.323	3.489	0.154	0.366	0.379
	3427	0.298	3.720	0.142	0.425	0.426
	3428	0.311	2.961	0.135	0.401	0.410
	3429	0.340	3.355	0.129	0.404	0.385
	3430	0.322	3.738	0.160	0.352	0.373
50 mg/kg/day	3441	0.364	3.934	0.161	0.415	0.418
	3442	0.356	3.352	0.131	0.379	0.380
	3443	0.325	3.411	0.129	0.281	0.312
	3444	0.365	3.375	0.121	0.431	0.407
	3445	0.334	3.257	0.123	0.323	0.338
	3446	0.377	3.255	0.137	0.384	0.394
	3447	0.362	3.328	0.135	0.349	0.342
	3448	0.397	3.455	0.148	0.414	0.378
	3449	0.384	na	0.157	0.381	0.374
	3450	0.378	3.439	0.157	0.392	0.390
	3451	0.361	3.341	0.146	0.363	0.347
	3452	0.292	3.845	0.176	0.367	0.383
	3453	0.294	2.993	0.136	0.333	0.337
	3454	0.363	3.397	0.186	0.373	0.384
	3455	0.287	3.042	0.145	0.350	0.396
	3456	0.328	3.470	0.122	0.372	0.368
	3457	0.284	2.825	0.114	0.284	0.301
	3458	0.309	3.407	0.171	0.373	0.375
	3459	0.300	2.653	0.130	0.248	0.255
	3460	0.306	3.437	0.146	0.387	0.419

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE MALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	TESTIS-LFT	TESTIS-RT	ADRENALS	BRAIN	THY./PARA.
0 mg/kg/day	3411	0.284	0.286	0.013	0.359	0.007
	3412	0.297	0.277	0.014	0.390	0.009
	3413	0.345	0.345	0.015	0.446	0.011
	3414	0.326	0.322	0.016	0.392	0.011
	3415	0.305	0.305	0.012	0.392	0.007
	3416	0.354	0.371	0.014	0.457	0.005
	3417	0.287	0.289	0.020	0.377	0.010
	3418	0.363	0.328	0.018	0.414	0.010
	3419	0.301	0.308	0.011	0.403	0.007
	3420	0.368	0.364	0.022	0.486	0.024
	3421	0.351	0.336	0.011	0.367	0.003
	3422	0.242	0.232	0.013	0.343	0.004
	3423	0.329	0.339	0.011	0.407	0.004
	3424	0.317	0.324	0.008	0.393	0.008
	3425	0.359	0.350	0.007	0.407	0.006
	3426	0.325	0.331	0.014	0.437	0.004
	3427	0.311	0.294	0.012	0.443	0.005
	3428	0.613	0.692	0.012	0.403	0.009
	3429	0.370	0.375	0.013	0.431	0.005
	3430	0.307	0.309	0.019	0.428	0.006
50 mg/kg/day	3441	0.358	0.365	0.014	0.519	0.007
	3442	0.289	0.291	0.012	0.394	0.006
	3443	0.325	0.329	0.014	0.431	0.010
	3444	0.333	0.324	0.013	0.385	0.007
	3445	0.328	0.305	0.011	0.414	0.008
	3446	0.380	0.359	0.015	0.434	0.007
	3447	0.260	0.259	0.014	0.414	0.008
	3448	0.331	0.355	0.012	0.461	0.006
	3449	0.315	0.319	0.016	0.386	0.003
	3450	0.328	0.317	0.016	0.407	0.011
	3451	0.301	0.322	0.016	0.408	0.007
	3452	0.281	0.284	0.015	0.367	0.005
	3453	0.355	0.343	0.012	0.411	0.005
	3454	0.300	0.277	0.015	0.390	0.007
	3455	0.305	0.298	0.007	0.401	0.007
	3456	0.329	0.317	0.014	0.414	0.004
	3457	0.286	0.309	0.013	0.374	0.006
	3458	0.355	0.327	0.010	0.434	0.007
	3459	0.263	0.268	0.011	0.384	0.006
	3460	0.332	0.326	0.010	0.420	0.005

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE MALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
150 mg/kg/day	3471	0.425	3.427	0.148	0.415	0.446
	3472	0.311	3.044	0.142	0.401	0.394
	3473	0.345	2.892	0.158	0.343	0.323
	3474	0.365	3.120	0.126	0.347	0.334
	3475	0.324	2.839	0.119	0.404	0.352
	3476	0.378	3.055	0.145	0.423	0.423
	3477	0.316	3.208	0.114	0.328	0.335
	3478	0.344	1.863	0.120	0.371	0.382
	3479	0.305	3.282	0.145	0.349	0.375
	3480	0.388	3.098	0.107	0.491	0.492
	3481	0.346	3.310	0.122	0.362	0.352
	3482	0.327	3.485	0.155	0.400	0.393
	3483	0.296	3.296	0.118	0.391	0.414
	3484	0.328	3.196	0.155	0.319	0.299
	3485	0.353	3.311	0.149	0.400	0.413
	3486	0.346	3.313	0.159	0.411	0.398
	3487	0.360	3.062	0.213	0.433	0.404
	3488	0.386	3.514	0.144	0.385	0.405
	3489	0.382	2.962	0.121	0.388	0.397
	3490	0.314	3.149	0.156	0.385	0.377
450 mg/kg/day	3501	0.382	3.259	0.128	0.199	0.207
	3502	0.440	3.693	0.166	0.387	0.465
	3503	0.381	3.415	0.134	0.369	0.349
	3505	0.363	3.529	0.159	0.467	0.466
	3506	0.314	3.284	0.169	0.369	0.378
	3507	0.326	3.679	0.152	0.400	0.433
	3508	0.381	3.320	0.147	0.363	0.381
	3509	0.360	3.588	0.164	0.439	0.437
	3510	0.327	3.526	0.164	0.400	0.372
	3511	0.369	3.047	0.145	0.335	0.326
	3512	0.307	3.083	0.183	0.383	0.398
	3513	0.319	2.964	0.132	0.342	0.363
	3514	0.321	3.382	0.159	0.362	0.380
	3515	0.329	3.003	0.145	0.362	0.384
	3516	0.357	3.234	0.156	0.402	0.439
	3517	0.332	3.476	0.154	0.357	0.360
	3518	0.353	3.365	0.126	0.382	0.402
	3519	0.464	4.598	0.229	0.515	0.525
	3520	0.326	3.390	0.129	0.497	0.469

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE MALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	TESTIS-LFT	TESTIS-RT	ADRENALS	BRAIN	THY./PARA.
150 mg/kg/day	3471	0.351	0.361	0.017	0.470	0.009
	3472	0.308	0.299	0.013	0.425	0.007
	3473	0.345	0.336	0.008	0.442	0.004
	3474	0.339	0.345	0.015	0.417	0.005
	3475	0.350	0.348	0.013	0.486	0.006
	3476	0.391	0.371	0.018	0.541	0.012
	3477	0.328	0.336	0.008	0.422	0.006
	3478	0.189	0.339	0.015	0.439	0.007
	3479	0.335	0.330	0.013	0.400	0.006
	3480	0.390	0.385	0.019	0.478	0.006
	3481	0.332	0.338	0.014	0.419	0.006
	3482	0.279	0.280	0.014	0.395	0.005
	3483	0.294	0.293	0.012	0.412	0.005
	3484	0.363	0.366	0.011	0.426	0.005
	3485	0.387	0.371	0.012	0.497	0.005
	3486	0.372	0.369	0.018	0.499	0.008
	3487	0.379	0.387	0.010	0.505	0.005
	3488	0.309	0.306	0.015	0.394	0.005
	3489	0.367	0.366	0.015	0.411	0.004
	3490	0.380	0.379	0.015	0.460	0.007
450 mg/kg/day	3501	0.366	0.352	0.020	0.470	0.010
	3502	0.387	0.371	0.012	0.635	0.007
	3503	0.359	0.359	0.014	0.412	0.006
	3505	0.351	0.364	0.018	0.481	0.008
	3506	0.381	0.377	0.015	0.574	0.010
	3507	0.305	0.296	0.013	0.418	0.008
	3508	0.347	0.348	0.015	0.431	0.006
	3509	0.361	0.526	0.018	0.452	0.009
	3510	0.305	0.322	0.013	0.413	0.005
	3511	0.298	0.302	0.013	0.414	0.007
	3512	0.371	0.372	0.012	0.461	0.004
	3513	0.376	0.359	0.010	0.445	0.005
	3514	0.334	0.345	0.006	0.461	0.007
	3515	0.369	0.362	0.017	0.498	0.003
	3516	0.414	0.421	0.017	0.514	0.012
	3517	0.344	0.331	0.022	0.471	0.004
	3518	0.418	0.408	0.014	0.491	0.005
	3519	0.371	0.361	0.022	0.509	0.010
	3520	0.381	0.410	0.016	0.500	0.010

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE ORGAN WEIGHT DATA (g)
(Terminal Sacrifice)

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
0 mg/kg/day	3541	1.197	8.951	0.680	1.051	1.142
	3542	1.111	9.187	0.523	0.961	1.110
	3543	1.133	8.949	0.451	0.872	0.957
	3544	1.925	8.823	0.437	0.966	1.122
	3545	1.057	9.364	0.506	1.060	1.068
	3546	1.065	8.214	0.510	0.944	1.015
	3547	1.064	9.140	0.710	1.256	1.229
	3548	1.109	10.194	0.572	0.989	1.080
	3549	1.101	10.409	0.596	1.235	1.241
	3550	1.001	9.523	0.542	1.001	1.104
	3551	1.037	8.443	0.451	0.965	0.988
	3552	1.008	10.424	0.649	1.124	1.109
	3553	1.019	10.932	0.522	1.206	1.224
	3554	0.950	8.079	0.475	0.974	0.999
	3555	0.976	8.092	0.394	1.020	1.139
	3556	1.143	9.010	0.630	1.069	1.105
	3557	1.271	10.216	0.667	1.091	1.109
	3558	1.035	8.423	0.462	1.100	1.074
	3559	0.911	7.655	0.550	0.951	0.995
	3560	1.024	7.824	0.493	1.162	1.144
50 mg/kg/day	3571	1.044	9.536	0.634	1.188	1.191
	3572	1.231	8.503	0.439	1.053	1.050
	3573	1.041	11.179	0.681	1.255	1.242
	3574	0.934	9.089	0.540	0.934	1.081
	3575	1.188	9.973	0.527	0.948	0.971
	3576	0.993	9.156	0.590	1.059	1.023
	3577	1.068	8.306	0.471	0.882	0.921
	3578	1.034	9.159	0.604	0.897	0.938
	3579	1.228	9.647	0.606	1.131	1.063
	3580	1.108	9.294	0.625	1.091	1.119
	3581	0.968	7.069	0.423	0.898	0.900
	3582	0.973	7.092	0.491	0.940	0.972
	3583	0.933	8.982	0.466	0.981	0.983
	3584	1.209	12.383	0.607	1.196	1.210
	3585	1.015	8.695	0.457	0.846	1.011
	3586	0.973	8.309	0.435	1.029	1.093
	3587	1.285	8.780	0.538	0.875	0.961
	3588	1.107	10.683	0.513	1.082	1.133
	3589	1.026	10.158	0.612	1.174	1.196
	3590	0.950	7.855	0.574	1.023	1.094

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
150 mg/kg/day	3601	1.035	9.416	0.601	1.241	1.173
	3602	1.588	10.808	0.522	1.236	1.256
	3603	0.892	7.905	0.457	0.970	na
	3604	1.008	8.407	0.543	1.092	1.248
	3605	1.099	9.000	0.582	1.016	1.142
	3606	1.065	8.237	0.504	2.870	1.009
	3607	0.983	9.025	0.324	1.082	1.129
	3608	1.256	9.921	0.621	1.112	1.110
	3609	1.152	9.051	0.617	1.137	1.176
	3610	1.116	9.576	0.489	0.964	1.029
	3611	0.916	9.326	0.531	1.058	1.081
	3612	1.144	10.408	0.489	1.090	1.140
	3613	1.006	9.546	0.565	1.016	1.070
	3614	1.013	10.135	0.495	0.985	1.113
	3615	0.870	8.050	0.574	1.011	1.123
	3616	1.060	8.631	0.566	1.049	1.092
	3617	1.134	11.127	0.447	1.219	1.207
	3618	0.835	8.192	0.427	0.933	0.947
	3619	1.145	na	0.505	na	na
	3620	0.942	8.582	0.414	1.069	1.018
450 mg/kg/day	3631	0.942	7.912	0.420	0.959	0.979
	3632	0.969	9.393	0.448	1.015	1.104
	3633	0.781	7.259	0.424	0.966	0.945
	3634	1.087	8.836	0.480	0.984	1.023
	3635	1.030	8.460	0.424	0.954	0.988
	3636	1.152	10.954	0.593	1.166	1.241
	3637	0.959	8.669	0.484	1.045	1.093
	3638	0.935	9.839	0.420	1.146	1.094
	3639	0.943	10.105	0.382	0.980	1.019
	3640	1.063	8.851	0.417	0.995	1.099
	3641	1.001	7.581	0.396	0.963	1.059
	3642	1.158	10.820	0.550	1.123	1.152
	3643	0.922	8.135	0.546	1.016	1.059
	3644	0.923	6.459	0.409	0.925	0.962
	3645	1.060	10.102	0.605	1.107	1.184
	3646	0.791	8.776	0.407	0.975	1.008
	3647	1.018	10.001	0.652	1.075	1.113
	3648	1.105	10.343	0.630	1.083	1.121
	3649	1.093	11.662	0.593	1.328	1.456
	3650	0.975	7.683	0.435	0.844	0.838

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	OVARY-LFT	OVARY-RT	ADRENALS	BRAIN	THY./PARA.	TERM. WGT.
0 mg/kg/day	3541	0.056	0.077	0.066	2.025	0.061	282
	3542	0.075	0.095	0.085	2.192	0.023	242
	3543	0.080	0.085	0.086	1.900	0.033	243
	3544	0.049	0.054	0.073	2.061	0.031	263
	3545	0.087	0.089	0.105	2.087	0.029	261
	3546	0.064	0.075	0.080	2.003	0.024	278
	3547	0.089	0.074	0.076	2.273	0.019	286
	3548	0.083	0.075	0.083	2.190	0.021	304
	3549	0.076	0.085	0.077	2.113	0.020	264
	3550	0.076	0.074	0.077	2.065	0.015	273
	3551	0.072	0.063	0.044	2.056	0.022	280
	3552	0.060	0.070	0.049	2.034	0.030	297
	3553	0.075	0.074	0.044	1.890	0.025	297
	3554	0.073	0.084	0.072	2.041	0.026	275
	3555	0.085	0.078	0.083	1.998	0.017	240
	3556	0.071	0.081	0.083	2.118	0.028	284
	3557	0.071	0.067	0.077	2.200	0.026	285
	3558	0.072	0.068	0.084	2.175	0.025	279
	3559	0.065	0.053	0.030	1.972	0.029	243
	3560	0.072	0.061	0.073	2.166	0.021	251
50 mg/kg/day	3571	0.089	0.057	0.109	2.268	0.021	282
	3572	0.117	0.093	0.088	1.992	0.035	265
	3573	0.080	0.071	0.082	2.095	0.026	294
	3574	0.072	0.082	0.075	1.989	0.031	262
	3575	0.079	0.056	0.072	2.150	0.033	273
	3576	0.085	0.082	0.092	2.183	0.034	288
	3577	0.086	0.081	0.058	1.973	0.032	255
	3578	0.097	0.086	0.082	2.051	0.076	279
	3579	0.071	0.100	0.076	2.052	0.017	265
	3580	0.111	0.114	0.089	2.062	0.032	271
	3581	0.064	0.065	0.079	2.077	0.020	246
	3582	0.061	0.072	0.064	2.040	0.018	254
	3583	0.106	0.090	0.070	2.078	0.028	242
	3584	0.120	0.117	0.076	2.097	0.032	305
	3585	0.070	0.057	0.071	1.960	0.017	255
	3586	0.071	0.067	0.062	2.136	0.015	243
	3587	0.120	0.113	0.112	2.099	0.033	275
	3588	0.111	0.084	0.114	2.199	0.031	278
	3589	0.096	0.065	0.054	2.045	0.031	280
	3590	0.077	0.081	0.089	2.019	0.031	226

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE ORGAN WEIGHT DATA (g)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	OVARY-LFT	OVARY-RT	ADRENALS	BRAIN	THY./PARA.	TERM. WGT.
150 mg/kg/day	3601	0.073	0.080	0.077	2.226	0.026	297
	3602	0.096	0.080	0.092	2.179	0.037	292
	3603	0.061	0.068	0.086	1.936	0.026	239
	3604	0.122	0.082	0.084	2.158	0.022	255
	3605	0.081	0.086	0.074	2.172	0.035	267
	3606	0.054	0.102	0.085	2.088	0.027	264
	3607	0.133	0.105	0.082	2.077	0.032	259
	3608	0.067	0.063	0.071	1.965	0.032	304
	3609	0.133	0.114	0.072	1.952	0.028	265
	3610	0.056	0.069	0.089	2.075	0.028	256
	3611	0.092	0.074	0.060	1.971	0.027	298
	3612	0.071	0.083	0.085	2.112	0.034	299
	3613	0.090	0.080	0.073	1.938	0.021	261
	3614	0.046	0.060	0.067	1.964	0.016	256
	3615	0.061	0.068	0.039	2.076	0.023	242
	3616	0.067	0.088	0.066	1.984	0.030	269
	3617	0.044	0.063	0.063	2.078	0.029	321
	3618	0.069	0.078	0.071	2.065	0.019	249
	3619	0.132	0.118	0.103	2.209	0.024	262
	3620	0.077	0.066	0.063	2.035	0.016	245
450 mg/kg/day	3631	0.067	0.067	0.069	1.938	0.028	222
	3632	0.062	0.064	0.062	2.000	0.028	264
	3633	0.071	0.087	0.051	1.919	0.017	209
	3634	0.079	0.102	0.072	1.952	0.028	267
	3635	0.081	0.099	0.077	2.012	0.022	233
	3636	0.080	0.097	0.075	2.117	0.028	293
	3637	0.074	0.092	0.068	2.065	0.024	248
	3638	0.067	0.057	0.079	2.049	0.014	247
	3639	0.054	0.041	0.084	2.086	0.031	210
	3640	0.065	0.074	0.067	2.018	0.030	235
	3641	0.071	0.062	0.058	1.918	0.022	233
	3642	0.072	0.076	0.064	1.966	0.021	332
	3643	0.077	0.111	0.064	2.131	0.022	244
	3644	0.057	0.065	0.073	1.987	0.028	202
	3645	0.096	0.087	0.034	2.127	0.033	278
	3646	0.062	0.059	0.057	2.029	0.017	243
	3647	0.153	0.150	0.109	2.073	0.032	277
	3648	0.095	0.078	0.072	2.159	0.020	311
	3649	0.063	0.049	0.084	2.124	0.024	304
	3650	0.047	0.062	0.065	1.699	0.030	248

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE FEMALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
0 mg/kg/day	3541	0.424	3.174	0.241	0.373	0.405
	3542	0.459	3.796	0.216	0.397	0.459
	3543	0.466	3.683	0.186	0.359	0.394
	3544	0.732	3.355	0.166	0.367	0.427
	3545	0.405	3.588	0.194	0.406	0.409
	3546	0.383	2.955	0.183	0.340	0.365
	3547	0.372	3.196	0.248	0.439	0.430
	3548	0.365	3.353	0.188	0.325	0.355
	3549	0.417	3.943	0.226	0.468	0.470
	3550	0.367	3.488	0.199	0.367	0.404
	3551	0.370	3.015	0.161	0.345	0.353
	3552	0.339	3.510	0.219	0.378	0.373
	3553	0.343	3.681	0.176	0.406	0.412
	3554	0.345	2.938	0.173	0.354	0.363
	3555	0.407	3.372	0.164	0.425	0.475
	3556	0.402	3.173	0.222	0.376	0.389
	3557	0.446	3.585	0.234	0.383	0.389
	3558	0.371	3.019	0.166	0.394	0.385
	3559	0.375	3.150	0.216	0.391	0.409
	3560	0.408	3.117	0.196	0.463	0.456
50 mg/kg/day	3571	0.370	3.382	0.225	0.421	0.422
	3572	0.465	3.209	0.166	0.397	0.396
	3573	0.354	3.802	0.232	0.427	0.422
	3574	0.356	3.469	0.206	0.356	0.413
	3575	0.435	3.653	0.193	0.347	0.356
	3576	0.345	3.179	0.205	0.368	0.355
	3577	0.419	3.257	0.185	0.346	0.361
	3578	0.371	3.283	0.216	0.322	0.336
	3579	0.463	3.640	0.229	0.427	0.401
	3580	0.409	3.430	0.231	0.403	0.413
	3581	0.393	2.874	0.172	0.365	0.366
	3582	0.383	2.792	0.193	0.370	0.383
	3583	0.386	3.712	0.193	0.405	0.406
	3584	0.396	4.060	0.199	0.392	0.397
	3585	0.398	3.410	0.179	0.332	0.396
	3586	0.400	3.419	0.179	0.423	0.450
	3587	0.467	3.193	0.196	0.318	0.349
	3588	0.398	3.843	0.185	0.389	0.408
	3589	0.366	3.628	0.219	0.419	0.427
	3590	0.420	3.476	0.254	0.453	0.484

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE FEMALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	HEART	LIVER	SPLEEN	KIDNEY-LFT	KIDNEY-RT
150 mg/kg/day	3601	0.348	3.170	0.202	0.418	0.395
	3602	0.544	3.701	0.179	0.423	0.430
	3603	0.373	3.308	0.191	0.406	na
	3604	0.395	3.297	0.213	0.428	0.489
	3605	0.412	3.371	0.218	0.381	0.428
	3606	0.403	3.120	0.191	1.087	0.382
	3607	0.380	3.485	0.125	0.418	0.436
	3608	0.413	3.263	0.204	0.366	0.365
	3609	0.435	3.415	0.233	0.429	0.444
	3610	0.436	3.741	0.191	0.377	0.402
	3611	0.307	3.130	0.178	0.355	0.363
	3612	0.383	3.481	0.164	0.365	0.381
	3613	0.385	3.657	0.216	0.389	0.410
	3614	0.396	3.959	0.193	0.385	0.435
	3615	0.360	3.326	0.237	0.418	0.464
	3616	0.394	3.209	0.210	0.390	0.406
	3617	0.353	3.466	0.139	0.380	0.376
	3618	0.335	3.290	0.171	0.375	0.380
	3619	0.437	na	0.193	na	na
	3620	0.384	3.503	0.169	0.436	0.416
450 mg/kg/day	3631	0.424	3.564	0.189	0.432	0.441
	3632	0.367	3.558	0.170	0.384	0.418
	3633	0.374	3.473	0.203	0.462	0.452
	3634	0.407	3.309	0.180	0.369	0.383
	3635	0.442	3.631	0.182	0.409	0.424
	3636	0.393	3.739	0.202	0.398	0.424
	3637	0.387	3.496	0.195	0.421	0.441
	3638	0.379	3.983	0.170	0.464	0.443
	3639	0.449	4.812	0.182	0.467	0.485
	3640	0.452	3.766	0.177	0.423	0.468
	3641	0.430	3.254	0.170	0.413	0.455
	3642	0.349	3.259	0.166	0.338	0.347
	3643	0.378	3.334	0.224	0.416	0.434
	3644	0.457	3.198	0.202	0.458	0.476
	3645	0.381	3.634	0.218	0.398	0.426
	3646	0.326	3.612	0.167	0.401	0.415
	3647	0.368	3.610	0.235	0.388	0.402
	3648	0.355	3.326	0.203	0.348	0.360
	3649	0.360	3.836	0.195	0.437	0.479
	3650	0.393	3.098	0.175	0.340	0.338

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE FEMALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	OVARY-LFT	OVARY-RT	ADRENALS	BRAIN	THY./PARA.
0 mg/kg/day	3541	0.020	0.027	0.023	0.718	0.022
	3542	0.031	0.039	0.035	0.906	0.010
	3543	0.033	0.035	0.035	0.782	0.014
	3544	0.019	0.021	0.028	0.784	0.012
	3545	0.033	0.034	0.040	0.800	0.011
	3546	0.023	0.027	0.029	0.721	0.009
	3547	0.031	0.026	0.027	0.795	0.007
	3548	0.027	0.025	0.027	0.720	0.007
	3549	0.029	0.032	0.029	0.800	0.008
	3550	0.028	0.027	0.028	0.756	0.005
	3551	0.026	0.023	0.016	0.734	0.008
	3552	0.020	0.024	0.016	0.685	0.010
	3553	0.025	0.025	0.015	0.636	0.008
	3554	0.027	0.031	0.026	0.742	0.009
	3555	0.035	0.033	0.035	0.833	0.007
	3556	0.025	0.029	0.029	0.746	0.010
	3557	0.025	0.024	0.027	0.772	0.009
	3558	0.026	0.024	0.030	0.780	0.009
	3559	0.027	0.022	0.012	0.812	0.012
	3560	0.029	0.024	0.029	0.863	0.008
50 mg/kg/day	3571	0.032	0.020	0.039	0.804	0.007
	3572	0.044	0.035	0.033	0.752	0.013
	3573	0.027	0.024	0.028	0.713	0.009
	3574	0.027	0.031	0.029	0.759	0.012
	3575	0.029	0.021	0.026	0.788	0.012
	3576	0.030	0.028	0.032	0.758	0.012
	3577	0.034	0.032	0.023	0.774	0.013
	3578	0.035	0.031	0.029	0.735	0.027
	3579	0.027	0.038	0.029	0.774	0.006
	3580	0.041	0.042	0.033	0.761	0.012
	3581	0.026	0.026	0.032	0.844	0.008
	3582	0.024	0.028	0.025	0.803	0.007
	3583	0.044	0.037	0.029	0.859	0.012
	3584	0.039	0.038	0.025	0.688	0.010
	3585	0.027	0.022	0.028	0.769	0.007
	3586	0.029	0.028	0.026	0.879	0.006
	3587	0.044	0.041	0.041	0.763	0.012
	3588	0.040	0.030	0.041	0.791	0.011
	3589	0.034	0.023	0.019	0.730	0.011
	3590	0.034	0.036	0.039	0.893	0.014

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
RELATIVE FEMALE ORGAN WEIGHT DATA (% Terminal Body Weight)
[Terminal Sacrifice]

DOSE LEVEL	ANIMAL NO.	OVARY-LFT	OVARY-RT	ADRENALS	BRAIN	THY./PARA.
150 mg/kg/day	3601	0.025	0.027	0.026	0.749	0.009
	3602	0.033	0.027	0.032	0.746	0.013
	3603	0.026	0.028	0.036	0.810	0.011
	3604	0.048	0.032	0.033	0.846	0.009
	3605	0.030	0.032	0.028	0.813	0.013
	3606	0.020	0.039	0.032	0.791	0.010
	3607	0.051	0.041	0.032	0.802	0.012
	3608	0.022	0.021	0.023	0.646	0.011
	3609	0.050	0.043	0.027	0.737	0.011
	3610	0.022	0.027	0.035	0.811	0.011
	3611	0.031	0.025	0.020	0.661	0.009
	3612	0.024	0.028	0.028	0.706	0.011
	3613	0.034	0.031	0.028	0.743	0.008
	3614	0.018	0.023	0.026	0.767	0.006
	3615	0.025	0.028	0.016	0.858	0.010
	3616	0.025	0.033	0.025	0.738	0.011
	3617	0.014	0.020	0.020	0.647	0.009
	3618	0.028	0.031	0.029	0.829	0.008
	3619	0.050	0.045	0.039	0.843	0.009
	3620	0.031	0.027	0.026	0.831	0.007
450 mg/kg/day	3631	0.030	0.030	0.031	0.873	0.013
	3632	0.023	0.024	0.023	0.758	0.011
	3633	0.034	0.042	0.024	0.918	0.008
	3634	0.030	0.038	0.027	0.731	0.010
	3635	0.035	0.042	0.033	0.864	0.009
	3636	0.027	0.033	0.026	0.723	0.010
	3637	0.030	0.037	0.027	0.833	0.010
	3638	0.027	0.023	0.032	0.830	0.006
	3639	0.026	0.020	0.040	0.993	0.015
	3640	0.028	0.031	0.029	0.859	0.013
	3641	0.030	0.027	0.025	0.823	0.009
	3642	0.022	0.023	0.019	0.592	0.006
	3643	0.032	0.045	0.026	0.873	0.009
	3644	0.028	0.032	0.036	0.984	0.014
	3645	0.035	0.031	0.012	0.765	0.012
	3646	0.026	0.024	0.023	0.835	0.007
	3647	0.055	0.054	0.039	0.748	0.012
	3648	0.031	0.025	0.023	0.694	0.006
	3649	0.021	0.016	0.028	0.699	0.008
	3650	0.019	0.025	0.026	0.685	0.012

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE URINALYSIS DATA
[Interim Sacrifice]

DOSE LEVEL	Animal no.	App.	Vol. (ml)	Sp. Gr.	Color	pH	Protein	Glucose	Ketones	Uro.	Bili.	Blood Hgb.
0 mg/kg/day	3401	tb	15	1.016	y	8.0	1+	nr	tr	nr	ng	ng
	3402	tb	5	>1.035	dy	6.0	2+	nr	1+	nr	ng	ng
	3403	hz	15	1.015	y	8.0	n	nr	tr	nr	ng	ng
	3404	cl	5	>1.035	y	6.0	1+	nr	1+	nr	ng	ng
	3405	tb	13	1.027	y	8.0	1+	nr	1+	nr	ng	ng
	3406	tb	8	1.028	y	8.0	tr	nr	tr	nr	ng	ng
	3407	cl	10	1.026	y	7.0	1+	nr	1+	nr	ng	ng
	3408	cl	15	1.031	y	7.0	1+	nr	tr	nr	ng	ng
	3409	tb	11	1.029	y	8.0	1+	nr	tr	nr	ng	ng
50 mg/kg/day	3431	hz	7	>1.035	y	6.0	1+	nr	1+	nr	ng	ng
	3432	cl	15	1.017	y	8.0	tr	nr	tr	nr	ng	ng
	3433	tb	6	>1.035	dy	7.0	1+	nr	1+	nr	ng	ng
	3434	cl	15	1.025	y	8.0	1+	nr	1+	nr	ng	ng
	3435	tb	3	>1.035	dy	8.0	1+	nr	1+	nr	ng	1+
	3436	hz	14	1.018	y	8.0	1+	nr	1+	nr	ng	ng
	3437	cl	11	>1.035	y	7.0	2+	nr	2+	nr	ng	ng
	3438	cl	15	1.017	y	8.0	1+	nr	1+	nr	ng	ng
	3439	tb	8	>1.035	y	7.0	1+	nr	1+	nr	ng	ng
	3440	cl	15	1.016	y	8.0	1+	nr	n	nr	ng	ng
150 mg/kg/day	3461	hz	15	1.013	y	8.0	tr	nr	tr	nr	ng	ng
	3462	c	14	1.013	y	7.0	tr	nr	n	nr	ng	ng
	3463	tb	14	1.030	y	9.0	1+	nr	tr	nr	ng	ng
	3464	hz	15	1.014	y	8.0	1+	nr	tr	nr	ng	ng
	3465	tb	10	1.025	y	7.0	1+	nr	1+	nr	ng	tr
	3466	hz	15	1.014	y	8.0	tr	nr	tr	nr	ng	ng
	3467	cl	15	1.011	ly	8.0	n	nr	n	nr	ng	ng
	3468	hz	15	1.010	ly	8.0	1+	nr	tr	nr	ng	ng
	3469	hz	15	1.016	y	8.0	n	nr	1+	nr	ng	ng
	3470	hz	14	1.016	y	8.0	n	nr	n	nr	ng	ng
450 mg/kg/day	3491	cl	5	>1.035	a	5.0	1+	nr	2+	nr	ng	ng
	3492	cl	15	1.014	ly	8.0	1+	nr	n	nr	ng	ng
	3493	cl	15	1.016	y	7.0	tr	nr	tr	nr	ng	ng
	3494	hz	15	1.011	ly	8.0	1+	nr	n	nr	ng	ng
	3495	hz	15	1.017	y	8.0	1+	nr	1+	nr	ng	ng
	3496	hz	15	1.016	y	7.0	1+	nr	tr	nr	ng	ng
	3497	tb	7	>1.035	dy	8.0	1+	nr	tr	nr	ng	ng
	3498	hz	15	1.012	ly	8.0	tr	nr	tr	nr	ng	ng
	3499	cl	15	1.010	ly	8.0	tr	nr	tr	nr	ng	ng
	3500	hz	15	1.031	y	6.0	n	nr	tr	nr	ng	ng

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE MICROSCOPIC URINALYSIS DATA
[Interim Sacrifice]

DOSE LEVEL	Animal no.	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
0 mg/kg/day	3401	0	0	0	0	tp\co	n	m
	3402	1-2	0	0	0	co	n	f
	3403	0	0	0	0	tp	n	f
	3404	0	0	0	0	co	n	num
	3405	0	0	0	0	tp\co	m	num
	3406	0	0	0	0	n	n	m
	3407	0	0	0	0	n	n	f
	3408	0	0	0	0	co	n	m
	3409	0-1	1-2	0-1	0	tp	n	num
50 mg/kg/day	3431	0	0	0	0	n	n	f
	3432	0	0	0	0	tp	n	m
	3433	0-1	0-1	0	0	co	n	m
	3434	0-1	0-1	0	0	tp	n	m
	3435	0	0	0	0	tp	n	num
	3436	0	0	0	0	n	n	f
	3437	0	0	0	0	n	n	f
	3438	0	0	0	0	tp	n	m
	3439	0	1-2	0-1	0	tp	n	f
	3440	0-1	0	0	0-1	tp	f	num
150 mg/kg/day	3461	0	0	0	0	tp	n	num
	3462	0	0	0	0	co	n	num
	3463	0	0	0	0	tp	n	m
	3464	0	0	0	0	tp	n	m
	3465	0	0	0	0	co	n	num
	3466	0	0	0	0	tp	n	f
	3467	0	0	0	0	tp	n	f
	3468	0	0	0	0	tp	n	m
	3469	0	0-1	0	0	tp	n	m
	3470	0	0	0	0	tp	n	num
450 mg/kg/day	3491	0	0	0	0	n	n	m
	3492	0-1	0	0	0	tp	n	num
	3493	0	0	0	0	co	n	m
	3494	0	0	0	0	tp	n	num
	3495	0	0	0	0	tp	n	num
	3496	0	0	0	0	co	n	num
	3497	0	0	0	0	co	n	m
	3498	0	0	0	0	tp	n	m
	3499	0	0	0	0	tp	n	m
	3500	2-3	2-3	0	0	co	n	f

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE URINALYSIS DATA
[Terminal Sacrifice]

DOSE LEVEL	Animal no.	App.	Vol. (ml)	Sp. Gr.	Color	pH	Protein	Glucose	Ketones	Uro.	Bili.	Blood Hgb.
0 mg/kg/day	3411	cl	11	>1.035	a	9.0	8	1+	ng	nr	ng	ng
	3412	c	9	1.034	y	6.0	1+	nr	ng	nr	ng	ng
	3413	hz	12	1.017	s	7.5	tr	nr	ng	nr	ng	ng
	3414	cl	15	1.025	y	7.0	tr	nr	ng	nr	ng	ng
	3415	cl	13	>1.035	y	9.0	1+	nr	ng	nr	ng	ng
	3416	cl	15	1.012	y	9.0	tr	nr	ng	nr	ng	ng
	3417	hz	14	1.017	y	9.0	tr	nr	ng	nr	ng	ng
	3418	cl	15	1.028	y	5.5	1+	nr	ng	nr	ng	ng
	3419	hz	15	1.023	s	6.5	1+	nr	ng	nr	ng	10ery\ul
	3420	cl	14	1.017	y	9.0	tr	nr	ng	nr	ng	ng
50 mg/kg/day	3441	cl	13	1.027	y	9.0	tr	nr	ng	nr	ng	ng
	3442	cl	13	1.033	y	8.0	1+	nr	ng	nr	ng	ng
	3443	cl	10	1.032	y	8.5	1+	nr	ng	nr	ng	ng
	3444	cl	14	1.027	y	9.0	1+	nr	ng	nr	ng	ng
	3445	cl	15	1.025	s	7.5	tr	nr	ng	nr	ng	ng
	3446	cl	13	1.029	y	9.0	1+	nr	ng	nr	ng	ng
	3447	hz	12	1.013	s	7.5	tr	nr	ng	nr	ng	ng
	3448	cl	15	1.030	s	8.5	tr	nr	ng	nr	ng	ng
	3449	hz	14	1.022	y	9.0	1+	nr	ng	nr	ng	ng
	3450	cl	14	1.021	y	9.0	tr	nr	ng	nr	ng	ng
150 mg/kg/day	3471	cl	15	1.025	y	8.0	tr	nr	ng	nr	ng	ng
	3472	cl	14	1.017	s	9.0	tr	nr	ng	nr	ng	ng
	3473	cl	14	1.023	s	9.0	tr	nr	ng	nr	ng	ng
	3474	cl	14	>1.035	a	7.5	tr	nr	ng	nr	ng	ng
	3475	cl	15	1.013	y	9.0	tr	nr	nr	nr	ng	50ery\ul
	3476	hz	15	1.015	s	7.5	tr	nr	ng	nr	ng	ng
	3477	cl	14	1.030	y	8.0	1+	nr	1+	nr	ng	ng
	3478	hz	14	1.022	y	8.0	tr	nr	ng	nr	ng	ng
	3479	cl	15	1.026	s	8.0	1+	nr	ng	nr	ng	50ery\ul
	3480	hz	14	1.011	s	9.0	tr	nr	ng	nr	ng	ng
450 mg/kg/day	3501	c	13	1.034	y	5.5	tr	nr	ng	nr	ng	ng
	3502	cl	15	>1.035	y	5.5	tr	nr	1+	nr	ng	ng
	3503	cl	15	1.017	s	7.0	tr	nr	ng	nr	ng	ng
	3505	cl	15	1.020	y	9.0	tr	nr	nr	nr	ng	ng
	3506	c	15	1.024	y	6.0	ng	nr	ng	nr	ng	ng
	3507	hz	13	1.010	s	9.0	tr	nr	ng	nr	ng	ng
	3508	cl	14	1.014	s	8.0	tr	nr	ng	nr	ng	ng
	3509	cl	13	1.019	s	7.5	tr	nr	1+	nr	ng	ng
	3510	hz	14	1.019	s	7.0	tr	nr	ng	nr	ng	ng
	3519	hz	14	1.015	s	9.0	tr	nr	ng	nr	ng	ng

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE MICROSCOPIC URINALYSIS DATA
[Terminal Sacrifice]

DOSE LEVEL	Animal no.	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
0 mg/kg/day	3411	0	0	0	0	tp	m	n
	3412	0	0	0	0	tp\co	n	n
	3413	0	0	0	0	n	n	f
	3414	0-1	0	0	0	co\tp	n	m
	3415	0	0	0	0	tp	n	m
	3416	0	0	0	0	tp	f	m
	3417	0	0	0	0	tp	n	m
	3418	0	0	0	0	co	n	f
	3419	0	0	0	0	co	n	m
	3420	0	0	0	0	tp	n	n
50 mg/kg/day	3441	0	0	0	0	tp	n	m
	3442	0-1	0	0	0	tp	f	n
	3443	0	0	0	0	tp	f	m
	3444	0	0	0	0	tp	n	m
	3445	0	0	0	0	tp	f	m
	3446	0	0	0	0	tp	n	m
	3447	0	0	0	0	tp	n	m
	3448	0	0	0	0	tp	m	n
	3449	0	0	0	0	tp	n	m
	3450	0	0	0-1	0	tp	n	m
150 mg/kg/day	3471	0	0	0	0	co\tp	f	m
	3472	0	0	0	0	tp	n	m
	3473	0-1	0	0	0	tp	n	m
	3474	0	0	0	0	n	n	m
	3475	0-1	0-1	0	0	tp	f	n
	3476	0	0	0	0	tp	f	m
	3477	0	0	0	0	tp	f	m
	3478	0	0	0	0	tp	n	m
	3479	0	0	0	0	tp	f	n
	3480	0-1	0	0	0	tp	f	m
450 mg/kg/day	3501	0	0	0	0	co\tp	f	f
	3502	0	0	0	0	co	f	m
	3503	0-1	0	0	0	co	n	m
	3505	0	0	0	0	tp	n	m
	3506	0-1	0	0	0	n	n	f
	3507	0	0	0	0	tp	n	f
	3508	0	0	0	0	tp	f	m
	3509	0	0	0	0	n	m	num
	3510	0	0	0	0	co	n	m
	3519	0	0	0	0	tp	n	m

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE URINALYSIS DATA
[Interim Sacrifice]

DOSE LEVEL	Animal no.	App.	Vol. (ml)	Sp. Gr.	Color	pH	Protein	Glucose	Ketones	Uro.	Bili.	Blood Hgb.
0 mg/kg/day	3531	cl	4	>1.035	y	7.0	1+	nr	1+	nr	ng	ng
	3532	cl	14	1.017	y	8.0	1+	nr	n	nr	ng	ng
	3533	hz	5	1.035	y	8.0	tr	nr	tr	nr	ng	ng
	3534	cl	11	1.020	y	8.0	n	nr	n	nr	ng	ng
	3535	tb	6	1.027	y	9.0	1+	nr	tr	nr	ng	ng
	3536	hz	15	1.009	ly	8.0	tr	nr	n	nr	ng	ng
	3537	tb	7	1.025	y	9.0	1+	nr	tr	nr	ng	ng
	3538	cl	14	1.018	y	7.0	tr	nr	tr	nr	ng	ng
	3539	hz	10	1.023	y	8.0	1+	nr	n	nr	ng	ng
	3540	hz	9	1.031	y	8.0	1+	nr	n	nr	ng	ng
50 mg/kg/day	3561	cl	15	1.013	y	8.0	tr	nr	n	nr	ng	ng
	3562	hz	13	1.019	y	8.0	tr	nr	n	nr	ng	ng
	3563	hz	9	1.019	y	7.0	1+	nr	n	nr	ng	ng
	3564	cl	14	1.023	y	7.0	tr	nr	tr	nr	ng	ng
	3565	hz	15	1.010	y	7.0	n	nr	n	nr	ng	ng
	3566	cl	5	1.030	y	8.0	1+	nr	1+	nr	ng	ng
	3567	hz	11	1.032	y	7.0	1+	nr	1+	nr	ng	ng
	3568	c	8	1.030	y	7.0	n	nr	tr	nr	ng	ng
	3569	hz	8	1.030	y	7.0	1+	nr	1+	nr	ng	1+
	3570	hz	10	1.013	y	8.0	n	nr	n	nr	ng	ng
150 mg/kg/day	3591	hz	7	1.016	y	8.0	t	nr	n	nr	ng	ng
	3592	tb	14	1.018	y	8.0	1+	nr	n	nr	ng	ng
	3593	hz	15	1.017	y	7.0	n	nr	n	nr	ng	ng
	3594	hz	15	1.020	y	7.0	1+	nr	tr	nr	ng	ng
	3595	hz	8	1.031	y	6.0	1+	nr	tr	nr	ng	ng
	3596	hz	15	1.014	y	7.0	n	nr	n	nr	ng	ng
	3597	cl	11	1.025	y	7.0	n	nr	n	nr	ng	ng
	3598	hz	15	1.016	y	8.0	tr	nr	n	nr	ng	ng
	3599	hz	5	>1.035	hz	7.0	1+	nr	tr	nr	ng	ng
	3600	cl	15	1.012	y	8.0	tr	nr	n	nr	ng	ng
450 mg/kg/day	3621	hz	12	1.017	y	7.0	n	nr	n	nr	ng	ng
	3622	c	10	1.025	y	7.0	n	nr	n	nr	ng	tr
	3623	hz	14	1.015	y	7.0	tr	nr	n	nr	ng	ng
	3624	tb	8	1.031	y	7.0	1+	nr	1+	nr	ng	ng
	3625	c	5	>1.035	y	6.0	tr	nr	tr	nr	ng	ng
	3626	cl	8	1.028	y	8.0	1+	nr	tr	nr	ng	3+
	3627	cl	14	1.016	y	9.0	1+	nr	n	nr	ng	ng
	3628	c	15	1.015	y	7.0	n	nr	n	nr	ng	ng
	3629	cl	13	1.021	y	7.0	1+	nr	tr	nr	ng	i+
	3630	c	15	1.011	y	7.0	tr	nr	n	nr	ng	ng

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE URINALYSIS DATA
[Terminal Sacrifice]

DOSE LEVEL	Animal no.	App.	Vol. (ml)	Sp. Gr.	Color	pH	Protein	Glucose	Ketones	Uro.	Bili.	Blood Hgb.
0 mg/kg/day	3541	hz	14	1.021	y	9.0	tr	nr	ng	nr	ng	ng
	3542	cl	14	1.020	s	9.0	tr	nr	ng	nr	ng	ng
	3543	hz	7	1.034	y	9.0	tr	nr	ng	nr	ng	ng
	3544	cl	14	1.021	y	9.0	ng	nr	ng	nr	ng	ng
	3545	c	15	1.015	y	6.5	tr	nr	ng	nr	ng	ng
	3546	cl	7	1.023	y	9.0	1+	nr	ng	nr	ng	ng
	3547	c	10	1.027	y	6.0	tr	nr	ng	nr	ng	ng
	3548	cl	14	1.020	y	9.0	tr	nr	ng	nr	ng	ng
	3549	hz	5	>1.035	y	7.0	tr	nr	1+	nr	nr	ng
	3550	cl	4	>1.035	y	9.0	1+	nr	ng	nr	ng	ng
50 mg/kg/day	3571	cl	14	1.018	y	8.0	tr	nr	ng	nr	ng	ng
	3572	cl	13	1.019	s	8.0	tr	nr	ng	nr	ng	ng
	3573	cl	15	1.020	y	9.0	tr	nr	ng	nr	ng	ng
	3574	cl	7	1.020	s	8.0	ng	nr	ng	nr	ng	ng
	3575	cl	15	1.016	s	9.0	tr	nr	ng	nr	ng	ng
	3576	cl	12	1.018	y	9.0	tr	nr	ng	nr	ng	ng
	3577	hz	15	1.015	py	9.0	tr	nr	ng	nr	ng	ng
	3578	cl	12	1.024	y	7.0	tr	nr	ng	nr	ng	ng
	3579	cl	9	1.025	a	9.0	tr	nr	ng	nr	ng	ng
	3580	c	12	1.018	s	8.0	num	nr	ng	nr	ng	ng
150 mg/kg/day	3601	hz	14	1.014	s	6.5	ng	nr	ng	nr	ng	ng
	3602	c	14	1.023	y	6.0	tr	nr	ng	nr	ng	ng
	3603	cl	14	1.017	y	9.0	tr	nr	ng	nr	ng	ng
	3604	hz	11	1.018	s	6.5	tr	nr	ng	nr	ng	ng
	3605	hz	14	1.012	s	7.5	tr	nr	ng	nr	ng	ng
	3606	hz	15	1.015	s	7.0	ng	nr	ng	nr	ng	ng
	3607	c	14	1.011	s	6.5	ng	nr	ng	nr	ng	ng
	3608	cl	15	1.023	s	9.0	tr	nr	ng	nr	ng	ng
	3609	hz	4	>1.035	y	7.0	tr	nr	1+	nr	ng	ng
	3610	hz	12	1.020	s	7.0	ng	nr	ng	nr	ng	ng
450 mg/kg/day	3631	hz	10	>1.035	y	6.0	tr	nr	ng	nr	ng	ng
	3632	hz	15	1.021	y	5.5	tr	nr	ng	nr	ng	ng
	3633	cl	14	1.020	y	8.0	tr	nr	ng	nr	ng	ng
	3634	c	10	>1.035	y	6.0	tr	nr	ng	nr	ng	ng
	3635	hz	13	1.023	y	9.0	tr	nr	ng	nr	nr	ng
	3636	hz	15	1.015	y	9.0	ng	nr	ng	nr	ng	ng
	3637	hz	14	1.010	s	7.0	ng	nr	ng	nr	ng	ng
	3638	c	15	1.018	y	6.0	tr	nr	ng	nr	ng	ng
	3639	hz	14	1.015	s	7.5	ng	nr	ng	nr	ng	ng
	3640	cl	15	1.015	y	6.5	ng	nr	ng	nr	ng	ng

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Urinalysis
Interim Sacrifice

ANIMAL	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
0 mg/kg/day							
3531	0	0	0	0	TP,CO	NONE	NUM
3532	0	0	0	0	TP	NONE	MANY
3533	0	0	0	0	TP	NONE	FEW
3534	0	0	0	0	TP	NDA	FEW
3535	0	0	2	0	TP	NONE	NUM
3536	0	0	0	0	TP	NONE	MANY
3537	0	0	0	0	TP	NONE	NUM
3538	0	0	0	0	CO	NONE	MANY
3539	0	0	0	0	NONE	NONE	FEW
3540	0	0	0	0	NDA	NONE	FEW
50 mg/kg/day							
3561	0	0	0	0	TP	NONE	MANY
3562	0	0	0	0	TP	NONE	FEW
3563	0	0	0	0	TP,CO	NONE	NUM
3564	0	0	0	0	TP,CO	NONE	NUM
3565	0	0	0	0	NONE	NONE	MANY
3566	0	0	0	0	NONE	NONE	NUM
3567	0	0	0	0	CO	NONE	FEW
3568	0-1	0-1	0	0	CO	NDA	FEW
3569	0	0	0	0	TP	NONE	FEW
3570	0	0	0	0	TP	NONE	NUM
150 mg/kg/day							
3591	0	0	0	0	NONE	NONE	MANY
3592	0-1	0	0-1	0	TP	NONE	NUM
3593	0	0	0	0	NONE	NONE	FEW
3594	0	0	0	0	CO	NONE	NUM
3595	0	0	0	0	CO,TP	NONE	FEW
3596	0	0	0	0	TP,CP	NDA	FEW
3597	0	0	0	0	NONE	NONE	FEW
3598	0	0	0	0	TP	NONE	MANY
3599	0	0	0	0	CO	NONE	MANY
3600	0	0	0	0	TP	NONE	MANY

Abbreviations used: TP = Triple Phosphate, CO = Calcium Oxalate
NDA = No Data Available, NUM = Numerous

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Urinalysis
Interim Sacrifice

ANIMAL	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
450 mg/kg/day							
3621	0	0	0	0	CO	NONE	NUM
3622	0	0	0	0	NONE	NONE	MANY
3623	0-1	0	0	0	CO	FEW	NUM
3624	0	0	0	0	CO,TP	NONE	NUM
3625	0	0	0	0	CO,TP	NONE	MANY
3626	0	0	0	0	TP	NONE	MANY
3627	0	0	0-1	0	TP	NONE	MANY
3628	0	0	0	0	CO	NONE	NUM
3629	0	0	0	0	TP	NONE	MANY
3630	0	0	0	0	NONE	NONE	MANY

Abbreviations used: TP = Triple Phosphate, CO = Calcium Oxalate
NDA = No Data Available, NUM = Numerous

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Urinalysis
Terminal Sacrifice

ANIMAL	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
0 mg/kg /day							
3541	0	0	0	0	TP	NONE	MANY
3542	0	0	0	0	TP	NONE	MANY
3543	0	0	0	0	TP	NONE	MANY
3544	0	0	0	0	TP	FEW	MANY
3545	0-1	0	0	0	NONE	NONE	FEW
3546	0	0	0	0	TP	NONE	MANY
3547	0	0	0	0	TP,CO	NONE	MANY
3548	0	0	0	0	TP	FEW	MANY
3549	0	0	0	0	TP	NONE	MANY
3550	0	0	0	0	NONE	NONE	FEW
50 mg/kg /day							
3571	0	0	0	0	TP	NONE	MANY
3572	0	0	0	0	TP	NONE	NONE
3573	0	0	0	0	TP	NONE	MANY
3574	0	0	0	0	TP	FEW	MANY
3575	0	0	0	0	TP	FEW	NONE
3576	0	0	0	0	TP	FEW	MANY
3577	0	0	0	0	TP	FEW	FEW
3578	0	0	0	0	CO,TP	FEW	MANY
3579	0	0	0	0	TP	NONE	NONE
3580	0-1	0	0	0	TP	NONE	FEW
150 mg/kg/day							
3601	0-1	0	0	0	CO,TP	NONE	NONE
3602	0	0	0	0	NONE	NONE	FEW
3603	0	0	0	0	TP	FEW	MANY
3604	0	0	0	0	CO,TP	NONE	MANY
3605	0	0	0	0	TP	NONE	FEW
3606	0	0	0	0	NONE	NONE	MANY
3607	0	0	0	0	NONE	NONE	FEW
3608	0	0	0	0	TP	NONE	FEW
3609	0	0	0	0	CO	NONE	MANY
3610	0	0	0	0	TP	NONE	NUM

Abbreviations used: TP = Triple Phosphate, CO = Calcium Oxalate
NDA = No Data Available, NUM = Numerous

Subchronic Toxicity Study of
Meta-Cresol in Sprague Dawley Rats
Female Urinalysis
Terminal Sacrifice

ANIMAL	RBC/HPF	WBC/HPF	EPI/HPF	CASTS/LPF	CRYSTALS	YEAST	BACTERIA
	450 mg/kg/day						
3631	0-1	0	0	0	CO	FEW	NONE
3632	0	0	0	0	CO	FEW	FEW
3633	0	0	0	0	TP	NONE	MANY
3634	0	0	0	0	CO	NONE	FEW
3635	0	0	0	0	TP	MANY	MANY
3636	0	0	0	0	TP	FEW	NONE
3637	0	0	0	0	NONE	NONE	FEW
3638	0	0	0	0	NONE	NONE	FEW
3639	0	0	0	0	CO,TP	NONE	FEW
3640	0	0	0	0	CO,TP	NONE	MANY

Abbreviations used: TP = Triple Phosphate, CO = Calcium Oxalate
NDA = No Data Available, NUM = Numerous

APPENDIX E

OPHTHALMOLOGY REPORT

SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE DAWLEY RATS

ABBREVIATION CODES

Eye Examinations

nvl = no visible lesions
dead = unscheduled death
A = os (left eye) focal zone of retinal degeneration
ph = persistent hyaloid
na = ophthalmology exam not applicable; animal removed at interim sacrifice

Nancy M. Bromberg, V.M.D., M.S.
Diplomate, American College of Veterinary Ophthalmologists
4105 Brandywine Street, Northwest
Washington, D.C. 20016
202/363-7303

EYE CLINIC FOR ANIMALS

September 3, 1986

Barry S. Levine , D.Sc, DABT
Microbiological Associates
5221 River Road
Bethesda, MD 20816

SUBJECT: Revised Report - Ophthalmoscopic Examination of Rats
Study 5221.07 December 30, 1986

Pretest examinations on October 2, 1985 showed three male rats to have persistent hyaloid remnants (3401 left eye, 3431 left eye, 3432 right eye). PH is a common developmental finding in young rats. The presence of PH does not cause exclusion of the animal from a study.

At terminal examination on December 30, 1985, all animals were found to have no visible lesion except:

Rat 3583, female Group II - zone of retinal degeneration in left eye.

Due to the singular occurrence of this abnormality, I do not consider it to be compound related.

Nancy M. Bromberg, V.M.D.

Nancy M. Bromberg, V.M.D., M.S.
Diplomate, A.C.V.O.

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
0 mg/kg/day	3401	nvl	ph	na	na
	3402	nvl	nvl	na	na
	3403	nvl	nvl	na	na
	3404	nvl	nvl	na	na
	3405	nvl	nvl	na	na
	3406	nvl	nvl	na	na
	3407	nvl	nvl	na	na
	3408	nvl	nvl	na	na
	3409	nvl	nvl	na	na
	3410	nvl	nvl	na	na
	3411	nvl	nvl	nvl	nvl
	3412	nvl	nvl	nvl	nvl
	3413	nvl	nvl	nvl	nvl
	3414	nvl	nvl	nvl	nvl
	3415	nvl	nvl	nvl	nvl
	3416	nvl	nvl	nvl	nvl
	3417	nvl	nvl	nvl	nvl
	3418	nvl	nvl	nvl	nvl
	3419	nvl	nvl	nvl	nvl
	3420	nvl	nvl	nvl	nvl
	3421	nvl	nvl	nvl	nvl
	3422	nvl	nvl	nvl	nvl
	3423	nvl	nvl	nvl	nvl
	3424	nvl	nvl	nvl	nvl
	3425	nvl	nvl	nvl	nvl
	3426	nvl	nvl	nvl	nvl
	3427	nvl	nvl	nvl	nvl
	3428	nvl	nvl	nvl	nvl
	3429	nvl	nvl	nvl	nvl
	3430	nvl	nvl	nvl	nvl
50 mg/kg/day	3431	nvl	ph	na	na
	3432	ph	nvl	na	na
	3433	nvl	nvl	na	na
	3434	nvl	nvl	na	na
	3435	nvl	nvl	na	na
	3436	nvl	nvl	na	na
	3437	nvl	nvl	na	na
	3438	nvl	nvl	na	na
	3439	nvl	nvl	na	na
	3440	nvl	nvl	na	na
	3441	nvl	nvl	nvl	nvl
	3442	nvl	nvl	nvl	nvl
	3443	nvl	nvl	nvl	nvl
	3444	nvl	nvl	nvl	nvl
	3445	nvl	nvl	nvl	nvl
	3446	nvl	nvl	nvl	nvl

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
50 mg/kg/day (continued)	3447	nvl	nvl	nvl	nvl
	3448	nvl	nvl	nvl	nvl
	3449	nvl	nvl	nvl	nvl
	3450	nvl	nvl	nvl	nvl
	3451	nvl	nvl	nvl	nvl
	3452	nvl	nvl	nvl	nvl
	3453	nvl	nvl	nvl	nvl
	3454	nvl	nvl	nvl	nvl
	3455	nvl	nvl	nvl	nvl
	3456	nvl	nvl	nvl	nvl
	3457	nvl	nvl	nvl	nvl
	3458	nvl	nvl	nvl	nvl
	3459	nvl	nvl	nvl	nvl
	3460	nvl	nvl	nvl	nvl
150 mg/kg/day	3461	nvl	nvl	na	na
	3462	nvl	nvl	na	na
	3463	nvl	nvl	na	na
	3464	nvl	nvl	na	na
	3465	nvl	nvl	na	na
	3466	nvl	nvl	na	na
	3467	nvl	nvl	na	na
	3468	nvl	nvl	na	na
	3469	nvl	nvl	na	na
	3470	nvl	nvl	na	na
	3471	nvl	nvl	nvl	nvl
	3472	nvl	nvl	nvl	nvl
	3473	nvl	nvl	nvl	nvl
	3474	nvl	nvl	nvl	nvl
	3475	nvl	nvl	nvl	nvl
	3476	nvl	nvl	nvl	nvl
	3477	nvl	nvl	nvl	nvl
	3478	nvl	nvl	nvl	nvl
	3479	nvl	nvl	nvl	nvl
	3480	nvl	nvl	nvl	nvl
	3481	nvl	nvl	nvl	nvl
	3482	nvl	nvl	nvl	nvl
	3483	nvl	nvl	nvl	nvl
	3484	nvl	nvl	nvl	nvl
	3485	nvl	nvl	nvl	nvl
	3486	nvl	nvl	nvl	nvl
	3487	nvl	nvl	nvl	nvl
	3488	nvl	nvl	nvl	nvl
	3489	nvl	nvl	nvl	nvl
	3490	nvl	nvl	nvl	nvl

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
MALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
450 mg/kg/day	3491	nvl	nvl	na	na
	3492	nvl	nvl	na	na
	3493	nvl	nvl	na	na
	3494	nvl	nvl	na	na
	3495	nvl	nvl	na	na
	3496	nvl	nvl	na	na
	3497	nvl	nvl	na	na
	3498	nvl	nvl	na	na
	3499	nvl	nvl	na	na
	3500	nvl	nvl	na	na
	3501	nvl	nvl	nvl	nvl
	3502	nvl	nvl	nvl	nvl
	3503	nvl	nvl	nvl	nvl
	3504	nvl	nvl	dead	dead
	3505	nvl	nvl	nvl	nvl
	3506	nvl	nvl	nvl	nvl
	3507	nvl	nvl	nvl	nvl
	3508	nvl	nvl	nvl	nvl
	3509	nvl	nvl	nvl	nvl
	3510	nvl	nvl	nvl	nvl
	3511	nvl	nvl	nvl	nvl
	3512	nvl	nvl	nvl	nvl
	3513	nvl	nvl	nvl	nvl
	3514	nvl	nvl	nvl	nvl
	3515	nvl	nvl	nvl	nvl
	3516	nvl	nvl	nvl	nvl
	3517	nvl	nvl	nvl	nvl
	3518	nvl	nvl	nvl	nvl
	3519	nvl	nvl	nvl	nvl
	3520	nvl	nvl	nvl	nvl

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
0 mg/kg/day	3531	nvl	nvl	na	na
	3532	nvl	nvl	na	na
	3533	nvl	nvl	na	na
	3534	nvl	nvl	na	na
	3535	nvl	nvl	na	na
	3536	nvl	nvl	na	na
	3537	nvl	nvl	na	na
	3538	nvl	nvl	na	na
	3539	nvl	nvl	na	na
	3540	nvl	nvl	na	na
	3541	nvl	nvl	nvl	nvl
	3542	nvl	nvl	nvl	nvl
	3543	nvl	nvl	nvl	nvl
	3544	nvl	nvl	nvl	nvl
	3545	nvl	nvl	nvl	nvl
	3546	nvl	nvl	nvl	nvl
	3547	nvl	nvl	nvl	nvl
	3548	nvl	nvl	nvl	nvl
	3549	nvl	nvl	nvl	nvl
	3550	nvl	nvl	nvl	nvl
	3551	nvl	nvl	nvl	nvl
	3552	nvl	nvl	nvl	nvl
	3553	nvl	nvl	nvl	nvl
	3554	nvl	nvl	nvl	nvl
	3555	nvl	nvl	nvl	nvl
	3556	nvl	nvl	nvl	nvl
	3557	nvl	nvl	nvl	nvl
	3558	nvl	nvl	nvl	nvl
	3559	nvl	nvl	nvl	nvl
	3560	nvl	nvl	nvl	nvl
50 mg/kg/day	3561	nvl	nvl	na	na
	3562	nvl	nvl	na	na
	3563	nvl	nvl	na	na
	3564	nvl	nvl	na	na
	3565	nvl	nvl	na	na
	3566	nvl	nvl	na	na
	3567	nvl	nvl	na	na
	3568	nvl	nvl	na	na
	3569	nvl	nvl	na	na
	3570	nvl	nvl	na	na
	3571	nvl	nvl	nvl	nvl
	3572	nvl	nvl	nvl	nvl
	3573	nvl	nvl	nvl	nvl
	3574	nvl	nvl	nvl	nvl
	3575	nvl	nvl	nvl	nvl
	3576	nvl	nvl	nvl	nvl

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
50 mg/kg/day (continued)	3577	nvl	nvl	nvl	nvl
	3578	nvl	nvl	nvl	nvl
	3579	nvl	nvl	nvl	nvl
	3580	nvl	nvl	nvl	nvl
	3581	nvl	nvl	nvl	nvl
	3582	nvl	nvl	nvl	nvl
	3583	nvl	nvl	nvl	A
	3584	nvl	nvl	nvl	nvl
	3585	nvl	nvl	nvl	nvl
	3586	nvl	nvl	nvl	nvl
	3587	nvl	nvl	nvl	nvl
	3588	nvl	nvl	nvl	nvl
	3589	nvl	nvl	nvl	nvl
	3590	nvl	nvl	nvl	nvl
150 mg/kg/day	3591	nvl	nvl	na	na
	3592	nvl	nvl	na	na
	3593	nvl	nvl	na	na
	3594	nvl	nvl	na	na
	3595	nvl	nvl	na	na
	3596	nvl	nvl	na	na
	3597	nvl	nvl	na	na
	3598	nvl	nvl	na	na
	3599	nvl	nvl	na	na
	3600	nvl	nvl	na	na
	3601	nvl	nvl	nvl	nvl
	3602	nvl	nvl	nvl	nvl
	3603	nvl	nvl	nvl	nvl
	3604	nvl	nvl	nvl	nvl
	3605	nvl	nvl	nvl	nvl
	3606	nvl	nvl	nvl	nvl
	3607	nvl	nvl	nvl	nvl
	3608	nvl	nvl	nvl	nvl
	3609	nvl	nvl	nvl	nvl
	3610	nvl	nvl	nvl	nvl
	3611	nvl	nvl	nvl	nvl
	3612	nvl	nvl	nvl	nvl
	3613	nvl	nvl	nvl	nvl
	3614	nvl	nvl	nvl	nvl
	3615	nvl	nvl	nvl	nvl
	3616	nvl	nvl	nvl	nvl
	3617	nvl	nvl	nvl	nvl
	3618	nvl	nvl	nvl	nvl
	3619	nvl	nvl	nvl	nvl
	3620	nvl	nvl	nvl	nvl

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS
FEMALE EYE EXAMINATIONS

DOSE LEVEL	Animal no.	PRETEST-Right Eye	PRETEST-Left Eye	TERMINAL-Right Eye	TERMINAL-Left Eye
450 mg/kg/day	3621	nvl	nvl	na	na
	3622	nvl	nvl	na	na
	3623	nvl	nvl	na	na
	3624	nvl	nvl	na	na
	3625	nvl	nvl	na	na
	3626	nvl	nvl	na	na
	3627	nvl	nvl	na	na
	3628	nvl	nvl	na	na
	3629	nvl	nvl	na	na
	3630	nvl	nvl	na	na
	3631	nvl	nvl	nvl	nvl
	3632	nvl	nvl	nvl	nvl
	3633	nvl	nvl	nvl	nvl
	3634	nvl	nvl	nvl	nvl
	3635	nvl	nvl	nvl	nvl
	3636	nvl	nvl	nvl	nvl
	3637	nvl	nvl	nvl	nvl
	3638	nvl	nvl	nvl	nvl
	3639	nvl	nvl	nvl	nvl
	3640	nvl	nvl	nvl	nvl
	3641	nvl	nvl	nvl	nvl
	3642	nvl	nvl	nvl	nvl
	3643	nvl	nvl	nvl	nvl
	3644	nvl	nvl	nvl	nvl
	3645	nvl	nvl	nvl	nvl
	3646	nvl	nvl	nvl	nvl
	3647	nvl	nvl	nvl	nvl
	3648	nvl	nvl	nvl	nvl
	3649	nvl	nvl	nvl	nvl
	3650	nvl	nvl	nvl	nvl

APPENDIX F

PATHOLOGY REPORT

10075 Tyler Place
Hyatt Park II
Ijamsville, Maryland 21754
(301) 663-1644

PAI **Pathology Associates, Inc.**

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

PREPARED FOR

MICROBIOLOGICAL ASSOCIATES, INC.

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I PATHOLOGY NARRATIVE

PAI Pathology Associates, Inc.

10075 Tyler Place
Hyatt Park II
Ijamsville, Maryland 21754
(301) 663-1644

SUBCHRONIC TOXICITY OF META-CRESOL IN SPRAGUE DAWLEY RATS

INTRODUCTION

This is the final pathology report by Pathology Associates, Inc. (PAI) to Microbiological Associates, Inc. (MAI) representing support required to conclude the study designated "Subchronic Toxicity of Meta-Cresol in Sprague Dawley Rats" as described in the MAI protocol number 5221.07 dated 26 September 1985.

EXPERIMENTAL DESIGN AND METHODS

Four groups, each consisting of 30 male and 30 female rats were given 0, 50, 150 or 450 mg/kg body weight of meta-cresol in corn oil per day by gavage. Ten males and ten females (selected prior to the initiation of the study) from each group were sacrificed and necropsied during test week seven. At the end of 13 weeks of treatment, the remainder of the animals were sacrificed and necropsied in accordance with the study protocol and with PAI Standard Operating Procedures. All required tissues from the terminal sacrifice and the one animal which died prior to sacrifice as well as all tissues containing gross lesions at the interim and terminal sacrifices were processed, and slides were prepared for microscopic examination.

GROSS OBSERVATIONS

Gross observations were noted in 11 of the 80 rats necropsied at the interim sacrifice. Findings are presented in the tables on pages IV-30 and IV-31 including corresponding microscopic observations. All of the lesions are considered to be incidental.

At the terminal sacrifice, gross observations were found in all dose groups. All of the observations are considered incidental and are presented in the Gross vs. Microscopic Tables.

HISTOPATHOLOGY

All available required tissues in the 0 mg/kg and 450 mg/kg terminal sacrifice dose groups, all required tissues from the early death animal (#3504) and all tissues having gross lesions noted at the interim and terminal sacrifices were examined microscopically. Microscopic findings for individual animals are presented by dose/sex group in the Tabulated Animal Data Tables. The left-hand margin lists only those lesions which were found in that dose group. Abbreviations for entries used in these tables are explained in the Reports Code Table in Appendix 1. Microscopic findings for all groups necropsied at terminal sacrifice are summarized by sex on the Project Summary Tables.

No neoplasms or dose-related lesions were present. Numerous incidental lesions were present in both the 0 mg/kg and 450 mg/kg dose groups. Lymphoid hyperplasia was present in the mandibular lymph nodes of 17/20 and 18/20 vehicle control and high dose males respectively and 13/20 and 18/20 vehicle control and high dose females respectively. Perivascular lymphocytic infiltrate was present in the lungs of 17/20 male and 17/20 female vehicle control rats and 10/20 male and 13/20 female high dose rats. Accompanying this perivascsular infiltrate was an interstitial inflammation in 5/20 male and 6/20 female controls and 4/20 male and 3/20 female high dose rats.

Other incidental lesions included embryonal duct cysts in both males and females, chronic myocardial inflammation in the hearts of males, degenerative kidney changes in males and females, and developmental, inflammatory or degenerative changes in the liver, testes, prostate or uterus. These findings occurred in small numbers divided approximately equally between high dose and control animals, and will not be discussed further.

DISCUSSION

Animal No. 3504 was the only animal found dead during the study. At necropsy, the lungs were red, and blood was present in the thoracic cavity. Lung congestion was present microscopically, but no cause of death was determined, although gavage error was considered possible.

Lymphoid hyperplasia in the mandibular lymph nodes of both male and female rats occurred with similar frequency in both the vehicle control and high dose groups. Changes consisted of numerous prominent germinal centers in the cortex surrounding large numbers of plasma cells in the medullary areas of the nodes. The changes represent a relatively localized immune stimulation of unknown etiology.

Inflammatory changes in the lungs of male and female rats from both vehicle control and high dose groups suggest infection from an adventitious microbial agent.

CONCLUSION

Under the conditions of this study, meta-cresol was not found to cause any chemical-related lesions.

Lucas H. Brennecke, D.V.M.
Diplomate, A.C.V.P.
20 March 1986

II PROJECT SUMMARY TABLE

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: MALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	9	4	20
	#	#	#	#
BRAIN	# Ex 20	0	0	20
HEMORRHAGE	0	0	0	1
SCIATIC NERVE	# Ex 20	0	0	20
SPINAL CORD	# Ex 20	0	0	20
BONE	# Ex 20	0	0	20
BONE MARROW	# Ex 20	0	0	20
SALIVARY GLAND	# Ex 20	0	0	20
MANDIBULAR LYMPH NODE	# Ex 20	0	0	20
HYPERPLASIA, LYMPHOID	17	0	0	18
THYMUS	# Ex 20	0	0	20
HEMORRHAGE	4	0	0	5
PANCREAS	# Ex 20	0	0	20
HEMORRHAGE	0	0	0	1
INFLAMMATION, CHRONIC	3	0	0	0
PITUITARY	# Ex 17	0	0	19
CYST, PARS INTERMEDIA	0	0	0	1
CYTOPLASMIC VACUO.,PARS DIST	0	0	0	1

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: MALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	9	4	20
	#	#	#	#
THYROID	# Ex 20	0	0	19
EMBRYONAL DUCT CYST	3	0	0	6
ATROPHY	0	0	0	1
LYMPHOCYTIC INFILTRATE	1	0	0	0
PARATHYROID	# Ex 12	0	0	16
TRACHEA	# Ex 20	0	0	20
ESOPHAGUS	# Ex 20	0	0	20
ADRENAL GLAND	# Ex 20	0	0	20
LUNG	# Ex 20	0	0	20
CONGESTION	0	0	0	1
LYMPHOCYTIC INFILTRATE,PERIV	17	0	0	10
INTERSTITIAL INFLAMMATION	5	0	0	4
HEART	# Ex 20	0	0	20
INFLAM.,CHRONIC, MYOCARDIUM	7	0	0	7
AORTA	# Ex 19	0	0	20
COLON	# Ex 20	0	0	20
DUODENUM	# Ex 20	0	0	19
FORESTOMACH	# Ex 20	0	0	19
GLANDULAR STOMACH	# Ex 20	0	0	20

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IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: MALE

GROUP:		0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:		20	9	4	20
		#	#	#	#
SKIN	# Ex	20	0	0	20
MAMMARY GLAND	# Ex	12	0	0	12
SKELETAL MUSCLE	# Ex	20	0	0	20
LIVER	# Ex	20	7	3	20
HEPATODIAPHRAGMATIC NODULE		0	0	0	1
HEMATOPOIETIC CELL PROLIF.		1	0	0	0
LYMPHOCYTIC INFILTRATE		0	1	0	0
CYTOPLASMIC VACUOLATION		4	2	2	0
NECROSIS		0	1	0	0
SPLEEN	# Ex	20	0	0	20
KIDNEY	# Ex	20	2	0	20
LYMPHOCYTIC INFILTRATE		0	0	0	2
NEPHROPATHY		7	2	0	1
REGENERATION, RENAL TUBULES		0	0	0	3
CYST		1	0	0	0
URINARY BLADDER	# Ex	20	0	0	20
TESTES	# Ex	20	0	1	20
ATROPHY,SEMINIFEROUS TUBULES		1	0	1	1
PROSTATE	# Ex	20	0	0	20
LYMPHOCYTIC INFILTRATE		3	0	0	3
OVARIES	# Ex	0	0	0	0

PATHOLOGY ASSOCIATES, INC.

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IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: MALE

GROUP:		0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:		20	9	4	20
		#	#	#	#
UTERUS	# Ex	0	0	0	0
CERVIX	# Ex	0	0	0	0
EYES	# Ex	19	1	0	20

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: MALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	9	4	20

OTHER TISSUES AND LESIONS:

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: FEMALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	2	2	20
	#	#	#	#
BRAIN	# Ex 20	0	0	20
SCIATIC NERVE	# Ex 20	0	0	20
SPINAL CORD	# Ex 20	0	0	20
BONE	# Ex 20	0	0	20
BONE MARROW	# Ex 20	0	0	20
SALIVARY GLAND	# Ex 20	0	0	20
MANDIBULAR LYMPH NODE	# Ex 20	0	0	20
HYPERPLASIA, LYMPHOID	13	0	0	18
THYMUS	# Ex 20	0	0	20
HEMORRHAGE	9	0	0	3
PANCREAS	# Ex 20	0	0	20
ACINAR CELL ATROPHY	1	0	0	0
INFLAMMATION, CHRONIC	0	0	0	1
PITUITARY	# Ex 20	0	0	19
THYROID	# Ex 20	0	0	20
EMBRYONAL DUCT CYST	8	0	0	9
PARATHYROID	# Ex 13	0	0	13

PATHOLOGY ASSOCIATES, INC.

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SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: FEMALE

GROUP:		0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:		20	2	2	20
		#	#	#	#
TRACHEA	# Ex	20	0	0	20
ESOPHAGUS	# Ex	20	0	0	20
ADRENAL GLAND	# Ex	20	0	0	20
LUNG	# Ex	20	0	0	20
LYMPHOCYTIC INFILTRATE,PERIV		17	0	0	13
INTERSTITIAL INFLAMMATION		6	0	0	3
HEMORRHAGE		1	0	0	1
HEART	# Ex	20	0	0	20
AORTA	# Ex	20	0	0	20
COLON	# Ex	20	0	0	20
METAZOAN PARASITE		1	0	0	1
DUODENUM	# Ex	20	0	0	20
FORESTOMACH	# Ex	20	0	0	20
SQUAMOUS CYST		0	0	0	1
GLANDULAR STOMACH	# Ex	20	0	0	20
SKIN	# Ex	20	0	0	20
MAMMARY GLAND	# Ex	20	0	0	20

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: FEMALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	2	2	20
	#	#	#	#
SKELETAL MUSCLE	# Ex 20	0	0	20
LIVER	# Ex 20	0	1	20
HEPATODIAPHRAGMATIC NODULE	0	0	1	0
INFLAMMATION	1	0	0	0
HEMATOPOIETIC CELL PROLIF.	1	0	0	0
LYMPHOCYTIC INFILTRATE	4	0	0	0
FATTY CHANGE	0	0	0	1
SPLEEN	# Ex 20	0	0	20
KIDNEY	# Ex 20	0	0	20
LYMPHOCYTIC INFILTRATE	1	0	0	0
NEPHROPATHY	1	0	0	0
REGENERATION, RENAL TUBULES	0	0	0	1
HYDRONEPHROSIS, UNILATERAL	3	0	0	0
CYST	0	0	0	1
URINARY BLADDER	# Ex 20	0	0	20
TESTES	# Ex 0	0	0	0
PROSTATE	# Ex 0	0	0	0
OVARIES	# Ex 20	1	0	20
UTERUS	# Ex 20	0	0	20
DILATATION	2	0	0	1
CERVIX	# Ex 20	0	0	20

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
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Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: FEMALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	2	2	20
	#	#	#	#
EYES	# Ex 20	0	0	20

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Project Summary Table

SUMMARY: Incidence of NEOPLASTIC and NON-NEOPLASTIC Microscopic Findings

PROJECT ID. NO: MCRESOL FATES: ALL
DAYS: ALL SEX: FEMALE

GROUP:	0MG/KG	50MG/KG	150MG/KG	450MG/KG
NUMBER OF ANIMALS:	20	2	2	20
	#	#	#	#
OTHER TISSUES AND LESIONS:				
VAGINA-CYST	0	0	0	1
MEDIASTINAL LN-HEMORRHAGE	0	1	0	0
JEJUNUM-NORMAL	0	0	1	0

III TABULATED ANIMAL DATA

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE		N							N	
HYPERPLASIA, LYMPHOID	2	-	3	2	1	3	3	1	-	1
THYMUS	N	N	N	N		N	N	N	N	N
HEMORRHAGE	-	-	-	-	(2)	-	-	-	-	-
PANCREAS		N	N	N	N	N		N	N	N
INFLAMMATION, CHRONIC	(2)	-	-	-	-	-	(2)	-	-	-
PITUITARY	N	N	U	N	N	N	N	U	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420
THYROID	N	N	N	N	N	N		N		N
EMBRYONAL DUCT CYST	-	-	-	-	-	-	(1)	-	(3)	-
LYMPHOCYTIC INFILTRATE	-	-	-	-	-	-	-	-	(3)	-
PARATHYROID	N	U	N	N	U	U	N	N	N	N
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG					N			N		
LYMPHOCYTIC INFILTRATE,PERIV	(2)	(2)	(2)	(2)	-	(2)	(2)	-	(3)	(1)
INTERSTITIAL INFLAMMATION	-	-	-	(2)	-	-	(2)	-	(2)	-
HEART	N		N		N			N	N	N
INFLAM.,CHRONIC, MYOCARDIUM	-	(2)	-	(3)	-	(1)	(2)	-	-	-
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	N	N	N	N	N	N	N

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420
FORESTOMACH	N	N	N	N	N	N	N	N	N	N
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	N	N	N	N	U	N	U	U	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER		N		N	N	N	N	N	N	N
CYTOPLASMIC VACUOLATION	(2)	-	(2)	-	-	-	-	-	-	-
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N			N			N	N	N	N
NEPHROPATHY	-	(1)	-	-	(2)	(2)	-	-	-	-
CYST	-	-	(2)	-	-	-	-	-	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420
PROSTATE		N	N	N	N	N	N	N	N	
LYMPHOCYTIC INFILTRATE	(2)	-	-	-	-	-	-	-	-	(3)
OVARIES	*	*	*	*	*	*	*	*	*	*
UTERUS	*	*	*	*	*	*	*	*	*	*
CERVIX	*	*	*	*	*	*	*	*	*	*
EYES	N	N	N	N	N	N	N	U	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL ID. NO:	3411	3412	3413	3414	3415	3416	3417	3418	3419	3420

ITHER TISSUES AND LESIONS:

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 6 FATES: ALL

ANIMAL ID. NO:	3421	3422	3423	3424	3425	3426	3427	3428	3429	3430
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE				N						
HYPERPLASIA, LYMPHOID	2	2	2	-	2	2	2	2	2	2
THYMUS	N	N		N	N			N	N	N
HEMORRHAGE	-	-	(1)	-	-	(1)	(1)	-	-	-
PANCREAS	N		N	N	N	N	N	N	N	N
INFLAMMATION, CHRONIC	-	(2)	-	-	-	-	-	-	-	-
PITUITARY	N	N	N	U	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 7 FATES: ALL

ANIMAL ID. NO:	3421	3422	3423	3424	3425	3426	3427	3428	3429	3430
THYROID	N		N	N	N	N	N	N	N	N
EMBRYONAL DUCT CYST	-	(2)	-	-	-	-	-	-	-	-
PARATHYROID	N	N	U	U	U	U	N	N	N	U
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG								N		
LYMPHOCYTIC INFILTRATE,PERIV	(2)	(2)	(2)	(2)	(2)	(2)	(2)	-	(2)	(2)
INTERSTITIAL INFLAMMATION	(2)	-	-	-	-	-	(2)	-	-	-
HEART		N	N	N	N		N	N		N
INFLAM.,CHRONIC, MYOCARDIUM	(2)	-	-	-	-	(1)	-	-	(1)	-
AORTA	N	N	U	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 8 FATES: ALL

ANIMAL ID. NO:	3421	3422	3423	3424	3425	3426	3427	3428	3429	3430
FORESTOMACH	N	N	N	N	N	N	N	N	N	N
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	U	N	U	U	U	N	U	N	N	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER	N		N	N	N	N	N		N	N
HEMATOPOIETIC CELL PROLIF.	-	(2)	-	-	-	-	-	-	-	-
CYTOPLASMIC VACUOLATION	-	(2)	-	-	-	-	-	(1)	-	-
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N			N	N	N	N	N		
NEPHROPATHY	-	(2)	(2)	-	-	-	-	-	(2)	(1)
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	N	N	N	N	N	N	N		N	N
ATROPHY,SEMINIFEROUS TUBULES	-	-	-	-	-	-	-	(2)	-	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 9 FATES: ALL

ANIMAL ID. NO:	3421	3422	3423	3424	3425	3426	3427	3428	3429	3430
PROSTATE	N	N	N	N	N	N		N	N	N
LYMPHOCYTIC INFILTRATE	-	-	-	-	-	-	(2)	-	-	-
OVARIES	*	*	*	*	*	*	*	*	*	*
UTERUS	*	*	*	*	*	*	*	*	*	*
CERVIX	*	*	*	*	*	*	*	*	*	*
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 10 FATES: ALL

ANIMAL ID. NO:	3421	3422	3423	3424	3425	3426	3427	3428	3429	3430

THER TISSUES AND LESIONS:

(End of Report)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3541	3542	3543	3544	3545	3546	3547	3548	3549	3550
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE		N								
HYPERPLASIA, LYMPHOID	2	-	1	2	2	1	3	2	2	2
THYMUS		N	N	N	N				N	N
HEMORRHAGE	(2)	-	-	-	-	(2)	(1)	(2)	-	-
PANCREAS	N		N	N	N	N	N	N	N	N
ACINAR CELL ATROPHY	-	(2)	-	-	-	-	-	-	-	-
PITUITARY	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3541	3542	3543	3544	3545	3546	3547	3548	3549	3550
THYROID	N		N	N			N	N		N
EMBRYONAL DUCT CYST	-	(2)	-	-	(2)	(1)	-	-	(2)	-
PARATHYROID	N	U	N	N	N	N	U	N	U	N
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG										
LYMPHOCYTIC INFILTRATE,PERIV	(2)	(2)	(2)	(1)	(1)	(2)	(1)	(2)	(2)	(3)
INTERSTITIAL INFLAMMATION	(1)	-	-	-	-	(1)	-	-	-	(1)
HEART	N	N	N	N	N	N	N	N	N	N
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	N	N	N	N	N	N	N
FORESTOMACH	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3541	3542	3543	3544	3545	3546	3547	3548	3549	3550
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	N	N	N	N	N	N	N	N	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER	N	N	N		N	N		N		N
INFLAMMATION	-	-	-	(1)	-	-	-	-	-	-
HEMATOPOIETIC CELL PROLIF.	-	-	-	-	-	-	(2)	-	-	-
LYMPHOCYTIC INFILTRATE	-	-	-	-	-	-	-	-	(2)	-
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N	N	N	N	N	N	N	N		N
NEPHROPATHY	-	-	-	-	-	-	-	-	(2)	-
HYDRONEPHROSIS, UNILATERAL	-	-	-	-	-	-	-	-	3	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	*	*	*	*	*	*	*	*	*	*
PROSTATE	*	*	*	*	*	*	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3541	3542	3543	3544	3545	3546	3547	3548	3549	3550
OVARIES	N	N	N	N	N	N	N	N	N	N
UTERUS	N	N	N	N	N	N	N	N	N	N
CERVIX	N	N	N	N	N	N	N	N	N	N
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL ID. NO:	3541	3542	3543	3544	3545	3546	3547	3548	3549	3550

THER TISSUES AND LESIONS:

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 6 FATES: ALL

ANIMAL ID. NO:	3551	3552	3553	3554	3555	3556	3557	3558	3559	3560
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE	N		N	N			N	N	N	
HYPERPLASIA, LYMPHOID	-	2	-	-	2	1	-	-	-	1
THYMUS		N	N	N	N	N				
HEMORRHAGE	(1)	-	-	-	-	-	(2)	(2)	(1)	(2)
PANCREAS	N	N	N	N	N	N	N	N	N	N
PITUITARY	N	N	N	N	N	N	N	N	N	N
THYROID		N	N		N			N	N	N
EMBRYONAL DUCT CYST	(2)	-	-	(3)	-	(2)	(2)	-	-	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 7 FATES: ALL

ANIMAL ID. NO:	3551	3552	3553	3554	3555	3556	3557	3558	3559	3560
PARATHYROID	N	U	U	U	N	U	N	N	N	N
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG		N								
LYMPHOCYTIC INFILTRATE,PERIV	(1)	-	(2)	-	(1)	(1)	(2)	-	(2)	(1)
INTERSTITIAL INFLAMMATION	-	-	(2)	(2)	-	(2)	-	-	-	-
HEMORRHAGE	-	-	-	-	-	-	-	(2)	-	-
HEART	N	N	N	N	N	N	N	N	N	N
AORTA	N	N	N	N	N	N	N	N	N	N
COLON		N	N	N	N	N	N	N	N	N
METAZOAN PARASITE	P	-	-	-	-	-	-	-	-	-
DUODENUM	N	N	N	N	N	N	N	N	N	N
FORESTOMACH	N	N	N	N	N	N	N	N	N	N

(Report Continued)

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Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 8 FATES: ALL

ANIMAL ID. NO:	3551	3552	3553	3554	3555	3556	3557	3558	3559	3560
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	N	N	N	N	N	N	N	N	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER		N	N		N	N	N		N	N
LYMPHOCYTIC INFILTRATE	(1)	-	-	(1)	-	-	-	(1)	-	-
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY		N	N	N		N	N	N	N	N
LYMPHOCYTIC INFILTRATE	-	-	-	-	(2)	-	-	-	-	-
HYDRONEPHROSIS, UNILATERAL	2	-	-	-	2	-	-	-	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	*	*	*	*	*	*	*	*	*	*
PROSTATE	*	*	*	*	*	*	*	*	*	*
OVARIES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 9 FATES: ALL

ANIMAL ID. NO:	3551	3552	3553	3554	3555	3556	3557	3558	3559	3560
UTERUS	N	N	N		N	N	N	N	N	
DILATATION	-	-	-	2	-	-	-	-	-	2
CERVIX	N	N	N	N	N	N	N	N	N	N
EYES	N	N	N	N	N	N	N	N	N	N

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 10 FATES: ALL

ANIMAL ID. NO:	3551	3552	3553	3554	3555	3556	3557	3558	3559	3560

THER TISSUES AND LESIONS:

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3443	3444	3445	3449	3450	3454	3455	3456	3457
BRAIN	*	*	*	*	*	*	*	*	*
SCIATIC NERVE	*	*	*	*	*	*	*	*	*
SPINAL CORD	*	*	*	*	*	*	*	*	*
BONE	*	*	*	*	*	*	*	*	*
BONE MARROW	*	*	*	*	*	*	*	*	*
SALIVARY GLAND	*	*	*	*	*	*	*	*	*
MANDIBULAR LYMPH NODE	*	*	*	*	*	*	*	*	*
THYMUS	*	*	*	*	*	*	*	*	*
PANCREAS	*	*	*	*	*	*	*	*	*
PITUITARY	*	*	*	*	*	*	*	*	*
THYROID	*	*	*	*	*	*	*	*	*
PARATHYROID	*	*	*	*	*	*	*	*	*

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 2 RATES: ALL

ANIMAL ID. NO:	3443	3444	3445	3449	3450	3454	3455	3456	3457
TRACHEA	*	*	*	*	*	*	*	*	*
ESOPHAGUS	*	*	*	*	*	*	*	*	*
ADRENAL GLAND	*	*	*	*	*	*	*	*	*
LUNG	*	*	*	*	*	*	*	*	*
HEART	*	*	*	*	*	*	*	*	*
AORTA	*	*	*	*	*	*	*	*	*
COLON	*	*	*	*	*	*	*	*	*
DUODENUM	*	*	*	*	*	*	*	*	*
FORESTOMACH	*	*	*	*	*	*	*	*	*
GLANDULAR STOMACH	*	*	*	*	*	*	*	*	*
SKIN	*	*	*	*	*	*	*	*	*
MAMMARY GLAND	*	*	*	*	*	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3443	3444	3445	3449	3450	3454	3455	3456	3457
SKELETAL MUSCLE	*	*	*	*	*	*	*	*	*
LIVER		*	N			N		*	N
LYMPHOCYTIC INFILTRATE	-	-	-	-	-	-	(2)	-	-
CYTOPLASMIC VACUOLATION	(2)	-	-	-	(1)	-	-	-	-
NECROSIS	-	-	-	(2)	-	-	-	-	-
SPLEEN	*	*	*	*	*	*	*	*	*
KIDNEY	*		*	*	*	*	*		*
NEPHROPATHY	-	2	-	-	-	-	-	1	-
URINARY BLADDER	*	*	*	*	*	*	*	*	*
TESTES	*	*	*	*	*	*	*	*	*
PROSTATE	*	*	*	*	*	*	*	*	*
OVARIES	*	*	*	*	*	*	*	*	*
UTERUS	*	*	*	*	*	*	*	*	*
CERVIX	*	*	*	*	*	*	*	*	*

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3443	3444	3445	3449	3450	3454	3455	3456	3457
EYES	*	*	N	*	*	*	*	*	*

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL ID. NO:	3443	3444	3445	3449	3450	3454	3455	3456	3457

THER TISSUES AND LESIONS:

(End of Report)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3571	3573
BRAIN	*	*
SCIATIC NERVE	*	*
SPINAL CORD	*	*
BONE	*	*
BONE MARROW	*	*
SALIVARY GLAND	*	*
MANDIBULAR LYMPH NODE	*	*
THYMUS	*	*
PANCREAS	*	*
PITUITARY	*	*
THYROID	*	*
PARATHYROID	*	*

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Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: FEMALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3571	3573
TRACHEA	*	*
ESOPHAGUS	*	*
ADRENAL GLAND	*	*
LUNG	*	*
HEART	*	*
AORTA	*	*
COLON	*	*
DUODENUM	*	*
FORESTOMACH	*	*
GLANDULAR STOMACH	*	*
SKIN	*	*
MAMMARY GLAND	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: FEMALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3571	3573
SKELETAL MUSCLE	*	*
LIVER	*	*
SPLEEN	*	*
KIDNEY	*	*
URINARY BLADDER	*	*
TESTES	*	*
PROSTATE	*	*
OVARIES	*	M
UTERUS	*	*
CERVIX	*	*
EYES	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: FEMALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3571	3573
OTHER TISSUES AND LESIONS:		
MEDIASTINAL LN-HEMORRHAGE	3	-

(End of Report)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: MALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3478	3479	3484	3488
BRAIN	*	*	*	*
SCIATIC NERVE	*	*	*	*
SPINAL CORD	*	*	*	*
BONE	*	*	*	*
BONE MARROW	*	*	*	*
SALIVARY GLAND	*	*	*	*
MANDIBULAR LYMPH NODE	*	*	*	*
THYMUS	*	*	*	*
PANCREAS	*	*	*	*
PITUITARY	*	*	*	*
THYROID	*	*	*	*
PARATHYROID	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: MALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3478	3479	3484	3488
TRACHEA	*	*	*	*
ESOPHAGUS	*	*	*	*
ADRENAL GLAND	*	*	*	*
LUNG	*	*	*	*
HEART	*	*	*	*
AORTA	*	*	*	*
COLON	*	*	*	*
DUODENUM	*	*	*	*
FORESTOMACH	*	*	*	*
GLANDULAR STOMACH	*	*	*	*
SKIN	*	*	*	*
MAMMARY GLAND	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3478	3479	3484	3488
SKELETAL MUSCLE	*	*	*	*
LIVER	*			N
CYTOPLASMIC VACUOLATION	-	(2)	(2)	-
SPLEEN	*	*	*	*
KIDNEY	*	*	*	*
URINARY BLADDER	*	*	*	*
TESTES		*	*	*
ATROPHY,SEMINIFEROUS TUBULES	(3)	-	-	-
PROSTATE	*	*	*	*
OVARIES	*	*	*	*
UTERUS	*	*	*	*
CERVIX	*	*	*	*
EYES	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: MALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3478	3479	3484	3488

ITHER TISSUES AND LESIONS:

(End of Report)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3602	3604
BRAIN	*	*
SCIATIC NERVE	*	*
SPINAL CORD	*	*
BONE	*	*
BONE MARROW	*	*
SALIVARY GLAND	*	*
MANDIBULAR LYMPH NODE	*	*
THYMUS	*	*
PANCREAS	*	*
PITUITARY	*	*
THYROID	*	*
PARATHYROID	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: FEMALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3602	3604
TRACHEA	#	#
ESOPHAGUS	#	#
ADRENAL GLAND	#	#
LUNG	#	#
HEART	#	#
AORTA	#	#
COLON	#	#
DUODENUM	#	#
FORESTOMACH	#	#
GLANDULAR STOMACH	#	#
SKIN	#	#
MAMMARY GLAND	#	#

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: FEMALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3602	3604
SKELETAL MUSCLE	+	+
LIVER		+
HEPATODIAPHRAGMATIC NODULE	P	-
SPLEEN	+	+
KIDNEY	+	+
URINARY BLADDER	+	+
TESTES	+	+
PROSTATE	+	+
OVARIES	+	+
UTERUS	+	+
CERVIX	+	+
EYES	+	+

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 150MG/KG SEX: FEMALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3602	3604
HER TISSUES AND LESIONS:		
JEJUNUM-NORMAL	-	P

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PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3501	3502	3503	3504	3505	3506	3507	3508	3509	3510
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE				N		N				
HYPERPLASIA, LYMPHOID	2	2	2	-	2	-	2	2	2	2
THYMUS	N	N	N		N	N	N			
HEMORRHAGE	-	-	-	(2)	-	-	-	(2)	(2)	(2)
PANCREAS	N	N	N		N	N	N	N	N	N
HEMORRHAGE	-	-	-	(2)	-	-	-	-	-	-
PITUITARY	N	N	N	N	N	N	N	N	N	N

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3501	3502	3503	3504	3505	3506	3507	3508	3509	3510
THYROID		N	N	N	U				N	
EMBRYONAL DUCT CYST	(2)	-	-	-	-	(2)	(2)	(2)	-	-
ATROPHY	-	-	-	-	-	-	-	-	-	[3]
PARATHYROID	N	N	N	N	U	N	N	N	N	N
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG	N	N	N		N		N	N		N
CONGESTION	-	-	-	[3]	-	-	-	-	-	-
LYMPHOCYTIC INFILTRATE,PERIV	-	-	-	-	-	(2)	-	-	(3)	-
INTERSTITIAL INFLAMMATION	-	-	-	-	-	-	-	-	(2)	-
HEART				N	N	N			N	N
INFLAM.,CHRONIC, MYOCARDIUM	(1)	(2)	(3)	-	-	-	(2)	(3)	-	-
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	A	N	N	N	N	N	N

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Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3501	3502	3503	3504	3505	3506	3507	3508	3509	3510
FORESTOMACH	N	N	N	N	N	N	N	N	N	N
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	U	U	N	N	U	N	N	N	U
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER		N	N	N	N	N	N	N	N	N
HEPATODIAPHRAGMATIC NODULE	P	-	-	-	-	-	-	-	-	-
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY		N	N	N		N			N	N
LYMPHOCYTIC INFILTRATE	(1)	-	-	-	-	-	-	(2)	-	-
REGENERATION, RENAL TUBULES	-	-	-	-	(2)	-	(2)	-	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	N	N	N	N	N	N	N	N		N
ATROPHY,SEMINIFEROUS TUBULES	-	-	-	-	-	-	-	-	(2)	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3501	3502	3503	3504	3505	3506	3507	3508	3509	3510
PROSTATE	N	N	N	N		N	N	N	N	N
LYMPHOCYTIC INFILTRATE	-	-	-	-	(2)	-	-	-	-	-
OVARIES	*	*	*	*	*	*	*	*	*	*
UTERUS	*	*	*	*	*	*	*	*	*	*
CERVIX	*	*	*	*	*	*	*	*	*	*
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL ID. NO:	3501	3502	3503	3504	3505	3506	3507	3508	3509	3510

THER TISSUES AND LESIONS:

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 6 FATES: ALL

ANIMAL ID. NO:	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520
BRAIN	N	N	N	N	N	N	N	N		N
HEMORRHAGE	-	-	-	-	-	-	-	-	(1)	-
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE										
HYPERPLASIA, LYMPHOID	2	2	2	3	2	2	2	2	2	2
THYMUS	N	N	N	N	N	N	N	N	N	
HEMORRHAGE	-	-	-	-	-	-	-	-	-	(3)
PANCREAS	N	N	N	N	N	N	N	N	N	N
PITUITARY		N	N	N		N	N	N	N	U
CYST, PARS INTERMEDIA	(2)	-	-	-	-	-	-	-	-	-
CYTOPLASMIC VACUO.,PARS DIST	-	-	-	-	(2)	-	-	-	-	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 7 FATES: ALL

ANIMAL ID. NO:	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520
THYROID	N	N	N			N	N	N	N	N
EMBRYONAL DUCT CYST	-	-	-	(2)	(2)	-	-	-	-	-
PARATHYROID	N	N	N	N	N	U	N	U	N	U
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG		N				N				
LYMPHOCYTIC INFILTRATE,PERIV	(2)	-	(2)	(2)	(2)	-	(2)	(2)	(2)	(2)
INTERSTITIAL INFLAMMATION	-	-	-	(2)	(2)	-	-	-	-	(2)
HEART	N	N			N	N	N	N	N	N
INFLAM.,CHRONIC, MYOCARDIUM	-	-	(2)	(2)	-	-	-	-	-	-
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 8 FATES: ALL

ANIMAL ID. NO:	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520
FORESTOMACH	N	N	N	N	N	N	N	U	N	N
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	U	U	U	N	N	N	N	N	N	U
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER	N	N	N	N	N	N	N	N	N	N
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N	N	N			N	N	N	N	N
NEPHROPATHY	-	-	-	(2)	-	-	-	-	-	-
REGENERATION, RENAL TUBULES	-	-	-	-	(2)	-	-	-	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	N	N	N	N	N	N	N	N	N	N
PROSTATE	N	N	N		N	N	N	N		N
LYMPHOCYTIC INFILTRATE	-	-	-	(2)	-	-	-	-	(2)	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 9 FATES: ALL

ANIMAL ID. NO:	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520
OVARIES	*	*	*	*	*	*	*	*	*	*
UTERUS	*	*	*	*	*	*	*	*	*	*
CERVIX	*	*	*	*	*	*	*	*	*	*
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 10 FATES: ALL

ANIMAL ID. NO:	3511	3512	3513	3514	3515	3516	3517	3518	3519	3520

OTHER TISSUES AND LESIONS:

(End of Report)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL ID. NO:	3631	3632	3633	3634	3635	3636	3637	3638	3639	3640
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE			N							
HYPERPLASIA, LYMPHOID	2	2	-	3	2	2	2	2	2	3
THYMUS	N	N	N	N			N	N	N	
HEMORRHAGE	-	-	-	-	(2)	(2)	-	-	-	(1)
PANCREAS	N	N	N	N	N	N	N	N	N	
INFLAMMATION, CHRONIC	-	-	-	-	-	-	-	-	-	(2)
PITUITARY	N	N	N	N	N	N	U	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL ID. NO:	3631	3632	3633	3634	3635	3636	3637	3638	3639	3640
THYROID		N		N	N		N			N
EMBRYONAL DUCT CYST	(2)	-	(2)	-	-	(2)	-	(2)	(2)	-
PARATHYROID	N	N	U	N	N	U	N	U	N	N
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG	N					N		N		
LYMPHOCYTIC INFILTRATE,PERIV	-	-	(2)	(2)	(2)	-	(2)	-	(2)	(1)
INTERSTITIAL INFLAMMATION	-	-	-	-	-	-	(2)	-	(1)	-
HEMORRHAGE	-	(1)	-	-	-	-	-	-	-	-
HEART	N	N	N	N	N	N	N	N	N	N
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	
METAZOAN PARASITE	-	-	-	-	-	-	-	-	-	P
DUODENUM	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL ID. NO:	3631	3632	3633	3634	3635	3636	3637	3638	3639	3640
FORESTOMACH	N	N	N	N	N	N	N	N		N
SQUAMOUS CYST	-	-	-	-	-	-	-	-	(2)	-
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	N	N	N	N	N	N	N	N	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER	N	N	N	N	N	N	N	N	N	N
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N	N	N	N	N	N	N		N	N
CYST	-	-	-	-	-	-	-	(3)	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	*	*	*	*	*	*	*	*	*	*
PROSTATE	*	*	*	*	*	*	*	*	*	*

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL ID. NO:	3631	3632	3633	3634	3635	3636	3637	3638	3639	3640
OVARIES	N	N	N	N	N	N	N	N	N	N
UTERUS		N	N	N	N	N	N	N	N	N
DILATATION	3	-	-	-	-	-	-	-	-	-
CERVIX	N	N	N	N	N	N	N	N	N	N
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL ID. NO:	3631	3632	3633	3634	3635	3636	3637	3638	3639	3640

THER TISSUES AND LESIONS:

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 6 FATES: ALL

ANIMAL ID. NO:	3641	3642	3643	3644	3645	3646	3647	3648	3649	3650
BRAIN	N	N	N	N	N	N	N	N	N	N
SCIATIC NERVE	N	N	N	N	N	N	N	N	N	N
SPINAL CORD	N	N	N	N	N	N	N	N	N	N
BONE	N	N	N	N	N	N	N	N	N	N
BONE MARROW	N	N	N	N	N	N	N	N	N	N
SALIVARY GLAND	N	N	N	N	N	N	N	N	N	N
MANDIBULAR LYMPH NODE				N						
HYPERPLASIA, LYMPHOID	3	2	2	-	2	2	2	2	2	2
THYMUS	N	N	N	N	N	N	N	N	N	N
PANCREAS	N	N	N	N	N	N	N	N	N	N
PITUITARY	N	N	N	N	N	N	N	N	N	N
THYROID	N	N	N				N		N	N
EMBRYONAL DUCT CYST	-	-	-	(2)	(2)	(1)	-	(2)	-	-

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 7 FATES: ALL

ANIMAL ID. NO:	3641	3642	3643	3644	3645	3646	3647	3648	3649	3650
PARATHYROID	N	N	N	U	U	U	N	N	N	U
TRACHEA	N	N	N	N	N	N	N	N	N	N
ESOPHAGUS	N	N	N	N	N	N	N	N	N	N
ADRENAL GLAND	N	N	N	N	N	N	N	N	N	N
LUNG				N			N			N
LYMPHOCYTIC INFILTRATE,PERIV	(2)	(2)	(2)	-	(2)	(2)	-	(2)	(2)	-
INTERSTITIAL INFLAMMATION	-	-	-	-	-	-	-	-	(1)	-
HEART	N	N	N	N	N	N	N	N	N	N
AORTA	N	N	N	N	N	N	N	N	N	N
COLON	N	N	N	N	N	N	N	N	N	N
DUODENUM	N	N	N	N	N	N	N	N	N	N
FORESTOMACH	N	N	N	N	N	N	N	N	N	N
GLANDULAR STOMACH	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 8 FATES: ALL

ANIMAL ID. NO:	3641	3642	3643	3644	3645	3646	3647	3648	3649	3650
SKIN	N	N	N	N	N	N	N	N	N	N
MAMMARY GLAND	N	N	N	N	N	N	N	N	N	N
SKELETAL MUSCLE	N	N	N	N	N	N	N	N	N	N
LIVER	N	N	N	N	N	N	N	N	N	
FATTY CHANGE	-	-	-	-	-	-	-	-	-	(1)
SPLEEN	N	N	N	N	N	N	N	N	N	N
KIDNEY	N	N	N		N	N	N	N	N	N
REGENERATION, RENAL TUBULES	-	-	-	(1)	-	-	-	-	-	-
URINARY BLADDER	N	N	N	N	N	N	N	N	N	N
TESTES	*	*	*	*	*	*	*	*	*	*
PROSTATE	*	*	*	*	*	*	*	*	*	*
OVARIES	N	N	N	N	N	N	N	N	N	N
UTERUS	N	N	N	N	N	N	N	N	N	N

(Report Continued)

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 45GMG/KG SEX: FEMALE DAYS: ALL
PAGE 9 FATES: ALL

ANIMAL ID. NO:	3641	3642	3643	3644	3645	3646	3647	3648	3649	3650
CERVIX	N	N	N	N	N	N	N	N	N	N
EYES	N	N	N	N	N	N	N	N	N	N

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Tabulated Animal Data

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 10 FATES: ALL

ANIMAL ID. NO:	3641	3642	3643	3644	3645	3646	3647	3648	3649	3650
OTHER TISSUES AND LESIONS:										
VAGINA-CYST	-	-	-	-	-	-	(2)	-	-	-

(End of Report)

IV GROSS VS. MICROSCOPIC FINDINGS

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL NO: 3411 PATHOLOGY ID. NO: 853411 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>LIVER-SLIGHTLY PALE AND SWOLLEN LIVER- CYTOPLASMIC VACUOLATION

ANIMAL NO: 3412 PATHOLOGY ID. NO: 853412 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3413 PATHOLOGY ID. NO: 853413 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3414 PATHOLOGY ID. NO: 853414 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL NO: 3415 PATHOLOGY ID. NO: 853415 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
>LIVER-SLIGHTLY PALE	NO COROLLARY CHANGE DETECTED

ANIMAL NO: 3416 PATHOLOGY ID. NO: 853416 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
>KIDNEY-1 (5X5MM) CYST IN CORTEX OF R. KIDNEY	NO CYST WAS NOTED IN THE KIDNEY CORTEX
>LIVER-SLIGHTLY SWOLLEN	NO COROLLARY CHANGE DETECTED

ANIMAL NO: 3417 PATHOLOGY ID. NO: 853417 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
>NGL	

(Report Continued)

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
AGE 3 FATES: ALL

NIMAL NO: 3418 PATHOLOGY ID. NO: 853418 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

HISTO-SLIGHT ROUND 3 X 3MM DARK DISCOLORATION IN CORTEX OF RT. KIDNEY

NO COROLLARY CHANGE DETECTED. THE CAUSE OF THE KIDNEY DISCOLORATION NOTED GROSSLY WAS NOT DETERMINED.

NIMAL NO: 3419 PATHOLOGY ID. NO: 853419 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

ENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3420 PATHOLOGY ID. NO: 853420 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3421 PATHOLOGY ID. NO: 853421 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
AGE 4 FATES: ALL

NIMAL NO: 3422 PATHOLOGY ID. NO: 853422 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-PALE AND SWOLLEN LIVER- CYTOPLASMIC VACUOLATION

NIMAL NO: 3423 PATHOLOGY ID. NO: 853423 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

N

NIMAL NO: 3424 PATHOLOGY ID. NO: 853424 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3425 PATHOLOGY ID. NO: 853425 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
PAGE 5 FATES: ALL

NIMAL NO: 3426 PATHOLOGY ID. NO: 853426 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3427 PATHOLOGY ID. NO: 853427 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NIMAL NO: 3428 PATHOLOGY ID. NO: 853428 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

HISTO-TESTES HAVE SOFT CONSISTENCY. TESTES- ATROPHY,SEMINIFEROUS TUBULES

NIMAL NO: 3429 PATHOLOGY ID. NO: 853429 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 0MG/KG SEX: MALE DAYS: ALL
AGE 6 FATES: ALL

NIMAL NO: 3430 PATHOLOGY ID. NO: 853430 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY PALE AND SWOLLEN NO CAUSE OF THE PALENESS SEEN AT NECROPSY WAS NOTED

(End of Report)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

'ROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
'AGE 1 FATES: ALL

NIMAL NO: 3541 PATHOLOGY ID. NO: 853541 PATHOLOGIST: LHB
.NIMAL FATE: SCHEDULED SACRIFICE
'ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

'EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

)NGL

ANIMAL NO: 3542 PATHOLOGY ID. NO: 853542 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
'ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

RE. .ENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

)NGL

ANIMAL NO: 3543 PATHOLOGY ID. NO: 853543 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

)NGL

ANIMAL NO: 3544 PATHOLOGY ID. NO: 853544 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

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IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
AGE 2 FATES: ALL

NIMAL NO: 3545 PATHOLOGY ID. NO: 853545 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3546 PATHOLOGY ID. NO: 853546 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NL

NIMAL NO: 3547 PATHOLOGY ID. NO: 853547 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3548 PATHOLOGY ID. NO: 853548 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

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IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
AGE 3 FATES: ALL

ANIMAL NO: 3549 PATHOLOGY ID. NO: 853549 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

STRIM-DILATED PELVIS, RIGHT KIDNEY KIDNEY- HYDRONEPHROSIS, UNILATERAL

ANIMAL NO: 3550 PATHOLOGY ID. NO: 853550 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NL

ANIMAL NO: 3551 PATHOLOGY ID. NO: 853551 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>TRIM-DILATED PELVIS, RIGHT KIDNEY KIDNEY- HYDRONEPHROSIS, UNILATERAL

ANIMAL NO: 3552 PATHOLOGY ID. NO: 853552 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

(Report Continued)

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL NO: 3553 PATHOLOGY ID. NO: 853553 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3554 PATHOLOGY ID. NO: 853554 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>N

ANIMAL NO: 3555 PATHOLOGY ID. NO: 853555 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>TRIM-DILATED PELVIS, RIGHT KIDNEY KIDNEY- HYDRONEPHROSIS, UNILATERAL

ANIMAL NO: 3556 PATHOLOGY ID. NO: 853556 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 0MG/KG SEX: FEMALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL NO: 3557 PATHOLOGY ID. NO: 853557 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3558 PATHOLOGY ID. NO: 853558 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3559 PATHOLOGY ID. NO: 853559 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3560 PATHOLOGY ID. NO: 853560 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

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IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
AGE 1 FATES: ALL

ANIMAL NO: 3443 PATHOLOGY ID. NO: 853443 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY SWOLLEN LIVER- CYTOPLASMIC VACUOLATION

ANIMAL NO: 3444 PATHOLOGY ID. NO: 853444 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

KIDNEY-1 (3X3MM) ROUND INDENTATION IN CORTEX OF RIGHT KIDNEY. KIDNEY- NEPHROPATHY

ANIMAL NO: 3445 PATHOLOGY ID. NO: 853445 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

EYE, LEFT-CORNEA PROTRUDING NO COROLLARY CHANGE DETECTED

LIVER-PALE AND SWOLLEN NO COROLLARY CHANGE DETECTED

(Report Continued)

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL NO: 3449 PATHOLOGY ID. NO: 853449 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY SWOLLEN, PALE, AND RETICULATED — LIVER- NECROSIS

ANIMAL NO: 3450 PATHOLOGY ID. NO: 853450 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY SWOLLEN — LIVER- CYTOPLASMIC VACUOLATION

ANIMAL NO: 3454 PATHOLOGY ID. NO: 853454 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-MILDLY SWOLLEN — NO COROLLARY CHANGE DETECTED

ANIMAL NO: 3455 PATHOLOGY ID. NO: 853455 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-ALL LOBES MOTTLED — LIVER- LYMPHOCYTIC INFILTRATE

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL NO: 3456 PATHOLOGY ID. NO: 853456 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
KIDNEYS-SLIGHTLY MOTTLED	KIDNEY- NEPHROPATHY

ANIMAL NO: 3457 PATHOLOGY ID. NO: 853457 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
LIVER-PALE AND SWOLLEN SLIGHTLY	NO COROLLARY CHANGE DETECTED

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IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 50MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL NO: 3571 PATHOLOGY ID. NO: 853571 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:

>THYMUS-DARK RED NODULE, 2X2 MM, VENTRAL SURFACE

RELATED HISTOPATHOLOGY:

MEDIASTINAL LN-HEMORRHAGE. THE NODULE, THOUGHT TO BE PART OF THE THYMUS, WAS ACTUALLY A MEDIASTINAL LYMPH NODE.

ANIMAL NO: 3573 PATHOLOGY ID. NO: 853573 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:

>1 (2X2MM) ROUND YELLOW NODULE IN FAT NEAR LEFT OVARY

RELATED HISTOPATHOLOGY:

NO COROLLARY CHANGE DETECTED. THE NODULE DESCRIBED AT NECROPSY WAS MOST LIKELY A FOCUS OF FAT NECROSIS.

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Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 150MG/KG SEX: MALE DAYS: ALL
AGE 1 FATES: ALL

NIMAL NO: 3478 PATHOLOGY ID. NO: 853478 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

TESTICLE, LEFT-SOFT AND SMALLER THAN RIGHT — TESTES- ATROPHY,SEMINIFEROUS TUBULES

NIMAL NO: 3479 PATHOLOGY ID. NO: 853479 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY PALE AND SWOLLEN — LIVER- CYTOPLASMIC VACUOLATION

NIMAL NO: 3484 PATHOLOGY ID. NO: 853484 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-PALE, SWOLLEN SLIGHTLY — LIVER- CYTOPLASMIC VACUOLATION

NIMAL NO: 3488 PATHOLOGY ID. NO: 853488 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

L R-SLIGHTLY SWOLLEN — NO COROLLARY CHANGE DETECTED

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SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

'ROJECT ID: MCRESOL GROUP: 150MG/KG SEX: FEMALE DAYS: ALL
AGE 1 FATES: ALL

NIMAL NO: 3602 PATHOLOGY ID. NO: 853602 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
'ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

'EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-NODULE, 10X12MM, MEDIAN LOBE LIVER- HEPATODIAPHRAGMATIC NODULE

NIMAL NO: 3604 PATHOLOGY ID. NO: 853604 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
'ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

'E ENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

JEJUNUM-MUCOSAL SURFACE DARK RED NO COROLLARY CHANGE DETECTED

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SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
AGE 1 FATES: ALL

NIMAL NO: 3501 PATHOLOGY ID. NO: 853501 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
LIVER NODULE, 5X5MM, MEDIAN LOBE	LIVER- HEPATODIAPHRAGMATIC NODULE

NIMAL NO: 3502 PATHOLOGY ID. NO: 853502 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

Er ENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
NGL	

NIMAL NO: 3503 PATHOLOGY ID. NO: 853503 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
NGL	

NIMAL NO: 3504 PATHOLOGY ID. NO: 853504 PATHOLOGIST: LHB
NIMAL FATE: FOUND DEAD
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 4

EFERENCE TO NECROPSY RECORD:	RELATED HISTOPATHOLOGY:
1 3 RED MOTTLED	LUNG- CONGESTION
PALE LIVER	PALE COLOR DUE TO MILD PM AUTOLYSIS.
BLOOD IN THE THORACIC CAVITY	(TISSUE UNAVAILABLE)

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SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
AGE 2 FATES: ALL

NIMAL NO: 3505 PATHOLOGY ID. NO: 853505 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3506 PATHOLOGY ID. NO: 853506 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NL

NIMAL NO: 3507 PATHOLOGY ID. NO: 853507 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3508 PATHOLOGY ID. NO: 853508 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

LIVER-SLIGHTLY SWOLLEN THE CAUSE OF THE SWOLLEN APPEARANCE OF THE LIVER WAS NOT DETERMINED.

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 3 FATES: ALL

ANIMAL NO: 3509 PATHOLOGY ID. NO: 853509 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:

RT. TESTIS-SLIGHTLY ENLARGED.

RELATED HISTOPATHOLOGY:

THE TESTIS SHOWING SOME ATROPHY IN THE SEMINIFEROUS TUBULES IS THE LARGER OF THE TWO TESTES. WHILE MOST TUBULES SHOW ADEQUATE SPERMATOGENESIS, ALL TUBULES ARE MILDLY DILATED.

ANIMAL NO: 3510 PATHOLOGY ID. NO: 853510 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:

NGL

RELATED HISTOPATHOLOGY:

ANIMAL NO: 3511 PATHOLOGY ID. NO: 853511 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD:

NGL

RELATED HISTOPATHOLOGY:

(Report Continued)

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
PAGE 4 FATES: ALL

ANIMAL NO: 3512 PATHOLOGY ID. NO: 853512 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3513 PATHOLOGY ID. NO: 853513 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3514 PATHOLOGY ID. NO: 853514 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

ANIMAL NO: 3515 PATHOLOGY ID. NO: 853515 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

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Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
AGE 5 FATES: ALL

NIMAL NO: 3516 PATHOLOGY ID. NO: 853516 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3517 PATHOLOGY ID. NO: 853517 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NG.

NIMAL NO: 3518 PATHOLOGY ID. NO: 853518 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

RIGHT KIDNEY SLIGHTLY MOTTLED THE CAUSE OF THE MOTTLING IN THE RIGHT KIDNEY WAS NOT DETERMINED.

NIMAL NO: 3519 PATHOLOGY ID. NO: 853519 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: MALE DAYS: ALL
AGE 6 FATES: ALL

ANIMAL NO: 3520 PATHOLOGY ID. NO: 853520 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANGL

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 1 FATES: ALL

ANIMAL NO: 3631 PATHOLOGY ID. NO: 853631 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>UTERINE HORNS-DILATED, FLUID FILLED UTERUS- DILATATION

ANIMAL NO: 3632 PATHOLOGY ID. NO: 853632 PATHOLOGIST: LHB
ANIMAL FATE: FOUND DEAD
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 89

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>KIDNEY-1 (1X1MM) ROUND INDENTATION IN CORTEX OF RIGHT KIDNEY

THERE IS NO APPARENT INDENTATION OR OTHER LESION IN THE KIDNEY WHICH WOULD CORRELATE TO THE INDENTATION NOTED AT NECROPSY.

ANIMAL NO: 3633 PATHOLOGY ID. NO: 853633 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

>NGL

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Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 2 FATES: ALL

ANIMAL NO: 3634 PATHOLOGY ID. NO: 853634 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANGL

ANIMAL NO: 3635 PATHOLOGY ID. NO: 853635 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANG

ANIMAL NO: 3636 PATHOLOGY ID. NO: 853636 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANGL

ANIMAL NO: 3637 PATHOLOGY ID. NO: 853637 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANGL

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Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
AGE 3 FATES: ALL

NIMAL NO: 3638 PATHOLOGY ID. NO: 853638 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

KIDNEY-1 (3X3MM) CYST IN CORTEX OF LEFT KIDNEY — KIDNEY- CYST

NIMAL NO: 3639 PATHOLOGY ID. NO: 853639 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

ENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3640 PATHOLOGY ID. NO: 853640 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

NIMAL NO: 3641 PATHOLOGY ID. NO: 853641 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
AGE 4 FATES: ALL

ANIMAL NO: 3642 PATHOLOGY ID. NO: 853642 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ENGL

ANIMAL NO: 3643 PATHOLOGY ID. NO: 853643 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ANIMAL NO: 3644 PATHOLOGY ID. NO: 853644 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ENGL

ANIMAL NO: 3645 PATHOLOGY ID. NO: 853645 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

ENGL

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

PROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
PAGE 5 FATES: ALL

ANIMAL NO: 3646 PATHOLOGY ID. NO: 853646 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

ANIMAL NO: 3647 PATHOLOGY ID. NO: 853647 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

ANIMAL NO: 3648 PATHOLOGY ID. NO: 853648 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

ANIMAL NO: 3649 PATHOLOGY ID. NO: 853649 PATHOLOGIST: LHB
ANIMAL FATE: SCHEDULED SACRIFICE
PROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

REFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Correlation of Gross & Micro Findings

ROJECT ID: MCRESOL GROUP: 450MG/KG SEX: FEMALE DAYS: ALL
AGE 6 FATES: ALL

NIMAL NO: 3650 PATHOLOGY ID. NO: 853650 PATHOLOGIST: LHB
NIMAL FATE: SCHEDULED SACRIFICE
ROBABLE CAUSE OF DEATH: DAYS ON TEST: 90

EFERENCE TO NECROPSY RECORD: RELATED HISTOPATHOLOGY:

NGL

(End of Report)

GROSS AND MICROSCOPIC FINDINGS
Interim Sacrifice

MALES

Animal No.	Dose Gp.	Gross Observation	Microscopic Observation
3401	0.0mg/kg	Kidneys mottled slightly	Normal-No corresponding lesion
3434	50mg/kg	Kidney, right-small, tan nodule, 0.1x0.1cm	Normal-No corresponding lesion Note: The kidney lesion was not found at trim.
3435	50mg/kg	Kidney, right-small, tan nodule, 0.1x0.1cm	Nephropathy, focal, mild Comment: The nephropathy in the right kidney was actually a slight indentation.
		Kidney, left-two, small tan nodules, 0.1x0.1cm	Comment: Nodules were not noted on either kidney. No corresponding lesions were noted in the left kidney.
3439	50mg/kg	Kidneys-slightly mottled	Infarct, chronic, focal, mild Hemorrhage, focal, mild Nephropathy, minimal
3466	150mg/kg	Kidneys-mottled slightly	Nephropathy, minimal
3496	450mg/kg	Lungs-multiple foci on all lobes, 0.1cm	Lymphocytic infiltrate, multifocal, moderate Inflammation, interstitial, multifocal, mild

GROSS AND MICROSCOPIC FINDINGS
Interim Sacrifice

FEMALES

Animal No.	Dose Gp.	Gross Observation	Microscopic Observation
3534	0.0mg/kg	Spleen-mottled	Normal-No corresponding lesion
3569	50mg/kg	Kidney, right-small amount of white fluid came out of kidney when scored.	Hydronephrosis, moderate Nephropathy, moderate
3593	150mg/kg	Kidney, right-pelvis dilated slightly	Hydronephrosis, moderate
3624	450mg/kg	Kidney, left-small tan nodule, 0.2x0.2cm	Normal-No corresponding lesion
3625	450mg/kg	Ovary, right-10x10mm fluid filled	Cyst
		2 Kidney, right-pelvis dilated	Hydronephrosis, moderate

V QUALITY ASSURANCE REPORT

QUALITY ASSURANCE STATEMENT

This histopathology project has been conducted in compliance with Good Laboratory Practice regulations promulgated by the U.S. Food and Drug Administration and the U.S. Environmental Protection Agency. Pathology Associates, Incorporated has a functioning and responsive quality assurance unit which has conducted appropriate inspections and reported all findings to management. The following is a record of those inspections and reports:

Date of Inspection[1]	Phase Inspected	Date Findings Reported to Management and Study Pathologist.
**01-02-86	Necropsy	01-03-86
* 01-07-86	Tissue Trimming	01-09-86
* 01-09-86	Processing	01-14-86
* 01-09-86	Embedding	01-14-86
* 02-19-86	Microtomy	02-19-86
* 02-19-86	Staining	02-19-86
* 02-19-86	Coverslipping	02-19-86
**02-10-86	Labeling	02-10-86
**03-11-86	Individual Animal Data	03-21-86
**03-11-86	Data Entry	03-21-86
**03-18-86	Computer Validation	03-21-86
**03-20-86	Draft Pathology Report	03-21-86
**04-01-86	Final Pathology Report	04-01-86

* General monthly phase inspection
** Inspection specific for Study Number

[1]In accordance with the PAI Quality Assurance Division's Standard Operating Procedures, phase inspections are routinely conducted on a random basis at a minimum of monthly. Dates of inspection are reported for each study according to the most recent phase inspection conducted during that period.

Carol C. Hoffman for: Director, Quality Assurance Unit — April 01, 1986 Date

Study Number: 5221.07, "Subchronic Toxicity Study of Meta-Cresol in Sprague Dawley Rats."

APPENDIX 1

REPORTS CODE TABLE

PATHOLOGY ASSOCIATES, INC.

STUDY NO. 5221.07
SUBCHRONIC TOXICITY OF META-CRESOL
IN SPRAGUE-DAWLEY RATS

Reports Code Table

N	Tissues within normal histological limits
A	Autolysis precluding adequate evaluation
U	Tissues unavailable/unsuitable for evaluation
S	Tissues not applicable to animal
*	Tissues not examined/not required by protocol

1	minimal
2	mild
3	moderate
4	severe
)	focal
]	diffuse
>	multifocal
P	Present
B	Neoplasm, Benign
M	Neoplasm, Malignant without Metastasis
C	Neoplasm, Malignant with Metastasis
X	Metastatic Site (+)

(End of Report)

APPENDIX 2

ABBREVIATION LIST

ABBREVIATION LIST

INFLAMMATION	INFLAM.
PARS DISTALIS	PARS DIST.
PERIVASCULAR	PERIV.
PROLIFERATION	PROLIF.
VACUOLIZATION	VACUO.