

TDMS No. 20107 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 01/24/2011
Time Report Requested: 10:59:00
First Dose M/F: 10/20/04 / 10/21/04
Lab: BAT

F1_R2

C Number: C20107
Lock Date: 02/20/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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MALE RATS

FIRST TERMINAL SACRIFICE AT 727 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	727(A)
0 MG/KG	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	84.0	74.0
6 MG/KG	100.0	100.0	100.0	98.0	98.0	98.0	93.9	89.8	87.8	75.5
20 MG/KG	100.0	98.0	93.9	93.9	93.9	93.9	89.8	87.8	73.5	63.3
60 MG/KG	100.0	100.0	100.0	98.0	93.9	91.8	89.8	87.7	64.1	44.9

(A) FIRST TERMINAL SACRIFICE
(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".
(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE
(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	74.0%	75.5%	63.3%	44.9%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.001	P=1.000N	P=0.290	P=0.006
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	631.5 (26.5)	616.5 (33.9)	564.8 (41.8)	614.6 (21.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	702.2 (9.0)	687.2 (16.4)	657.0 (21.2)	651.9 (16.5)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 728 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	728(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	86.0	66.0
6 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	95.9	91.8	85.7
20 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	84.0	66.0
60 MG/KG	98.0	98.0	98.0	98.0	96.0	89.8	83.7	79.6	71.5	47.0

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FIRST TERMINAL SACRIFICE AT 728 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	66.0%	85.7%	66.0%	47.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.001	P=0.042N	P=1.000N	P=0.062
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	658.3 (11.6)	632.1 (27.9)	665.9 (9.8)	592.3 (30.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	704.3 (6.1)	700.8 (14.8)	706.9 (5.3)	650.5 (19.0)

*** END OF REPORT ***

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