

Experiment Number: 20107 - 01
Test Type: 90-DAY
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: 09/07/2016

Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

NTP Study Number: C20107
Lock Date: 07/14/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 62.5 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 125 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 250 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 500 MG/KG

TOTAL 10

UNCENSORED DEATHS 1

CENSORED DEATHS 0

TERMINAL 9

UNCENSORED DEATH DAYS

3

CENSORED DEATH DAYS

None

DOSE = 1000 MG/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

3

3

3

3

3

3

3

3

3

3

CENSORED DEATH DAYS

None

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FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
125 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
250 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500 MG/KG	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1000 MG/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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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MALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

DOSE	500 MG/KG	1000 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	3.0 (.)	3.0 (0.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	84.0 (9.0)	3.0 (0.0)

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Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 62.5 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 125 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 250 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 500 MG/KG

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 1000 MG/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

2 2 2 2 2 2 3 3 3 3

CENSORED DEATH DAYS

None

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125 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
250 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 MG/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

DOSE	500 MG/KG	1000 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	2.4 (0.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	2.4 (0.2)

*** END OF REPORT ***

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)