

Experiment Number: 20107 - 02
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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: 14:11:20
First Dose M/F: 10/23/03 / 10/22/03
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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Lab: BAT

MALE MICE

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 = 15 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 30 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 60 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 125 MG/KG

TOTAL 10

UNCENSORED DEATHS 3

CENSORED DEATHS 0

TERMINAL 7

UNCENSORED DEATH DAYS

8 9 77

CENSORED DEATH DAYS

None

DOSE = 250 MG/KG

TOTAL 10

UNCENSORED DEATHS 9

CENSORED DEATHS 0

TERMINAL 1

UNCENSORED DEATH DAYS

3 3 3 3 3 3 5 5 9

CENSORED DEATH DAYS

None

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MALE MICE

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
15 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60 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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	70.0	70.0	70.0
250 MG/KG	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

(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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Lab: BAT

MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	15 MG/KG	30 MG/KG	60 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	125 MG/KG	250 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	70.0%	10.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.210	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	31.3 (22.8)	4.1 (0.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	74.5 (11.1)	13.0 (8.9)

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Lab: BAT

FEMALE MICE

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 = 15 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 30 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 60 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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Lab: BAT

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FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 125 MG/KG

TOTAL 10

UNCENSORED DEATHS 2

CENSORED DEATHS 0

TERMINAL 8

UNCENSORED DEATH DAYS

4 4

CENSORED DEATH DAYS

None

DOSE = 250 MG/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

2 2 3 3 3 4 4 4 5 5

CENSORED DEATH DAYS

None

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DOSE	TIME (DAYS)									
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0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
15 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60 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	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
250 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	15 MG/KG	30 MG/KG	60 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	125 MG/KG	250 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.468	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	4.0 (0.0)	3.5 (0.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	75.2 (11.9)	3.5 (0.3)

*** END OF REPORT ***

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

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