

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

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

Date Report Requested: 10/21/2014
Time Report Requested: 09:11:21
First Dose M/F: NA / NA
Lab: BAT

C Number:	C20107
Lock Date:	07/14/2004
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Lab: BAT

Male MOUSE
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					

(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 MOUSE
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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Lab: BAT

Male MOUSE
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	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	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	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	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	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	10.0

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

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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
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=0.000	-----	-----	-----
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)

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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

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=0.000
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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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
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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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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Lab: BAT

Female MOUSE
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	4	5	5
CENSORED DEATH DAYS										
none										

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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	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	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	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	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	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	0.0

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Female MOUSE
 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=0.000	-----	-----	-----
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)

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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

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=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	4.0 (.)	3.5 (0.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	75.2 (11.9)	3.5 (0.3)

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First Dose M/F: NA / NA

Lab: BAT

**** END OF REPORT ****

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