

**TDMS No.** 20107 - 04  
**Test Type:** CHRONIC  
**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:** 03/10/2011  
**Time Report Requested:** 11:42:39  
**First Dose M/F:** 10/26/04 / 10/25/04  
**Lab:** BAT

F1\_M3

**C Number:** C20107  
**Lock Date:** 02/26/2008  
**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 MICE**

FIRST TERMINAL SACRIFICE AT 730 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 14							CENSORED DEATHS 2				TERMINAL 34	
UNCENSORED DEATH DAYS													
156	548	561	562	584	588	591	643	655	678	685	698	726	727
CENSORED DEATH DAYS													
4	4												

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**DOSE = 6 MG/KG**

TOTAL 50	UNCENSORED DEATHS 14							CENSORED DEATHS 0				TERMINAL 36	
UNCENSORED DEATH DAYS													
539	550	555	568	578	586	599	659	666	694	697	702	704	714
CENSORED DEATH DAYS													
None													

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**DOSE = 20 MG/KG**

TOTAL 50	UNCENSORED DEATHS 19							CENSORED DEATHS 0				TERMINAL 31	
UNCENSORED DEATH DAYS													
402	442	449	512	548	554	597	598	609	655	655	669	672	674
681	688	693	710	723									
CENSORED DEATH DAYS													
None													

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**DOSE = 60 MG/KG**

TOTAL 50	UNCENSORED DEATHS 14							CENSORED DEATHS 0				TERMINAL 36	
UNCENSORED DEATH DAYS													
256	449	562	580	609	623	638	655	665	669	672	672	682	693
CENSORED DEATH DAYS													
None													

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**MALE MICE**

FIRST TERMINAL SACRIFICE AT 730 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
0 MG/KG	100.0	97.9	97.9	97.9	97.9	97.9	97.9	85.4	81.3	70.8
6 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	86.0	84.0	72.0
20 MG/KG	100.0	100.0	100.0	100.0	98.0	94.0	92.0	84.0	78.0	62.0
60 MG/KG	100.0	100.0	98.0	98.0	98.0	96.0	96.0	92.0	82.0	72.0

(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 MICE**

FIRST TERMINAL SACRIFICE AT 730 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	70.8%	72.0%	62.0%	72.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=1.000N	P=1.000N	P=0.448	P=1.000N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	600.1 (38.0)	629.4 (17.9)	606.9 (22.3)	601.8 (31.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	664.6 (23.4)	701.8 (8.1)	683.2 (11.9)	694.1 (11.9)

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**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                                  UNCENSORED DEATHS 7                                  CENSORED DEATHS 0                                  TERMINAL 43  
UNCENSORED DEATH DAYS  
444    642    645    663    666    666    698  
CENSORED DEATH DAYS  
None

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**DOSE = 6 MG/KG**

TOTAL 50                                  UNCENSORED DEATHS 9                                  CENSORED DEATHS 1                                  TERMINAL 40  
UNCENSORED DEATH DAYS  
449    509    555    621    671    700    704    720    723  
CENSORED DEATH DAYS  
8

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**DOSE = 20 MG/KG**

TOTAL 50                                  UNCENSORED DEATHS 10                                  CENSORED DEATHS 1                                  TERMINAL 39  
UNCENSORED DEATH DAYS  
253    501    585    627    649    660    669    703    709    715  
CENSORED DEATH DAYS  
11

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**DOSE = 60 MG/KG**

TOTAL 50                                  UNCENSORED DEATHS 16                                  CENSORED DEATHS 2                                  TERMINAL 32  
UNCENSORED DEATH DAYS  
386    387    481    512    570    573    578    579    602    607    627    645    699    701  
708    711  
CENSORED DEATH DAYS  
43    53

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FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	92.0	86.0
6 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	95.9	93.9	91.8	81.6
20 MG/KG	100.0	100.0	98.0	98.0	98.0	98.0	95.9	93.9	87.8	79.6
60 MG/KG	100.0	100.0	100.0	100.0	95.8	93.8	91.7	81.3	75.0	66.7

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FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	86.0%	81.6%	79.6%	66.7%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.014	P=0.763	P=0.553	P=0.034
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	632.0 (32.1)	628.0 (33.7)	607.1 (44.4)	585.4 (25.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	715.4 (6.4)	696.4 (16.2)	690.3 (17.7)	655.8 (21.7)

\*\*\* END OF REPORT \*\*\*

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