

TDMS No. 88133 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Trimethylolpropane triacrylate

CAS Number: 15625-89-5

Date Report Requested: 05/17/2010

Time Report Requested: 09:26:54

First Dose M/F: 12/13/04 / 12/13/04

Lab: SRI

F1_M3

C Number:	C88133C		
Lock Date:	10/30/2007		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	2.2.0		

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MALE MICE

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

DOSE = 0 MG/KG

TOTAL 50	UNCENSORED DEATHS 20					CENSORED DEATHS 0					TERMINAL 30			
UNCENSORED DEATH DAYS														
8	429	442	460	530	548	575	576	610	626	629	630	632	642	
645	649	655	686	690	725									
CENSORED DEATH DAYS														
None														

DOSE = 0.3 MG/KG

TOTAL 50	UNCENSORED DEATHS 15					CENSORED DEATHS 0					TERMINAL 35			
UNCENSORED DEATH DAYS														
425	442	476	556	567	568	617	626	632	633	645	648	649	670	
698														
CENSORED DEATH DAYS														
None														

DOSE = 1.0 MG/KG

TOTAL 50	UNCENSORED DEATHS 21					CENSORED DEATHS 0					TERMINAL 29			
UNCENSORED DEATH DAYS														
380	556	561	561	599	600	605	614	617	626	653	657	662	681	
681	685	692	694	698	717	722								
CENSORED DEATH DAYS														
None														

DOSE = 3.0 MG/KG

TOTAL 50	UNCENSORED DEATHS 12					CENSORED DEATHS 0					TERMINAL 38			
UNCENSORED DEATH DAYS														
479	480	570	583	588	605	622	638	649	675	701	718			
CENSORED DEATH DAYS														
None														

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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	98.0	98.0	98.0	98.0	98.0	92.0	90.0	84.0	66.0	60.0
0.3 MG/KG	100.0	100.0	100.0	100.0	98.0	94.0	94.0	88.0	74.0	70.0
1.0 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	98.0	86.0	74.0	58.0
3.0 MG/KG	100.0	100.0	100.0	100.0	100.0	96.0	96.0	88.0	82.0	76.0

(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 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	60.0%	70.0%	58.0%	76.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.159N	P=0.387N	P=1.000N	P=0.118N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	569.4 (34.7)	590.1 (21.6)	631.5 (16.9)	609.0 (21.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	665.1 (17.7)	687.3 (11.1)	688.0 (9.8)	700.2 (8.9)

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FEMALE MICE

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	100.0	100.0	100.0	94.0	84.0	78.0
0.3 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	83.7	79.6	63.3	
1.0 MG/KG	100.0	100.0	100.0	100.0	98.0	94.0	94.0	86.0	74.0	60.0	
3.0 MG/KG	100.0	100.0	100.0	100.0	96.0	96.0	96.0	90.0	76.0	60.0	

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	78.0%	63.3%	60.0%	60.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.234	P=0.159	P=0.073	P=0.094
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	642.2 (14.3)	637.4 (15.8)	619.2 (19.8)	639.2 (19.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	709.9 (6.0)	681.7 (16.1)	685.1 (10.9)	693.1 (9.8)

*** END OF REPORT ***

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