

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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MALE 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	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
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 11 CENSORED DEATHS 0 TERMINAL 39

UNCENSORED DEATH DAYS

576 579 593 618 638 647 649 662 682 708 712

CENSORED DEATH DAYS

None

DOSE = 0.3 MG/KG

TOTAL 50 UNCENSORED DEATHS 18 CENSORED DEATHS 1 TERMINAL 31

UNCENSORED DEATH DAYS

513 548 557 583 593 598 599 600 617 639 681 681 692 704
708 716 717 728

CENSORED DEATH DAYS

10

DOSE = 1.0 MG/KG

TOTAL 50 UNCENSORED DEATHS 20 CENSORED DEATHS 0 TERMINAL 30

UNCENSORED DEATH DAYS

409 440 484 561 571 583 604 627 633 634 645 657 662 674
681 698 698 704 708 710

CENSORED DEATH DAYS

None

DOSE = 3.0 MG/KG

TOTAL 50 UNCENSORED DEATHS 20 CENSORED DEATHS 0 TERMINAL 30

UNCENSORED DEATH DAYS

409 424 593 599 604 620 638 646 658 662 662 662 670 691
694 701 702 707 714 728

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	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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