

TDMS No. 99028 - 06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 04/07/2008

Time Report Requested: 11:52:50

First Dose M/F: 10/03/02 / 10/02/02

Lab: BAT

F1_M3

C Number: C99028
Lock Date: 09/20/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 2.0.0

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MALE MICE
FIRST TERMINAL SACRIFICE AT 728 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
397 461 495 499 533 533 539 544 558 578 633 694 707
CENSORED DEATH DAYS:
None

DOSE = 150 MG/KG

TOTAL 50 UNCENSORED DEATHS 11 CENSORED DEATHS 0 TERMINAL 39
UNCENSORED DEATH DAYS:
168 495 521 533 589 611 631 656 701 712 727
CENSORED DEATH DAYS:
None

DOSE = 300 MG/KG

TOTAL 50 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 42
UNCENSORED DEATH DAYS:
127 451 501 533 638 648 661 722
CENSORED DEATH DAYS:
None

DOSE = 600 MG/KG

TOTAL 50 UNCENSORED DEATHS 23 CENSORED DEATHS 0 TERMINAL 27
UNCENSORED DEATH DAYS:
4 20 37 44 72 123 226 245 251 420 451 486 489 506
522 568 573 630 648 674 678 720 726
CENSORED DEATH DAYS:
None

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MALE MICE
FIRST TERMINAL SACRIFICE AT 728 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	728(A)
0 MG/KG	100.0	100.0	100.0	100.0	98.0	96.0	84.0	80.0	78.0	74.0
150 MG/KG	100.0	98.0	98.0	98.0	98.0	98.0	92.0	90.0	84.0	78.0
300 MG/KG	100.0	98.0	98.0	98.0	98.0	96.0	92.0	92.0	86.0	84.0
600 MG/KG	90.0	88.0	82.0	82.0	80.0	78.0	70.0	66.0	62.0	54.0

- (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 728 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	74.0%	78.0%	84.0%	54.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.008	P=0.726N	P=0.307N	P=0.037
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	551.6 (24.1)	576.7 (47.3)	535.1 (66.7)	396.2 (52.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	682.1 (12.6)	694.7 (13.4)	697.1 (14.3)	575.4 (33.6)

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FEMALE MICE
FIRST TERMINAL SACRIFICE AT 727 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 19 CENSORED DEATHS 0 TERMINAL 31
UNCENSORED DEATH DAYS:
472 514 534 534 559 588 595 639 652 671 676 687 699 701
701 714 714 714 717
CENSORED DEATH DAYS:
None

DOSE = 100 MG/KG

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38
UNCENSORED DEATH DAYS:
386 454 475 518 589 659 664 664 671 700 711 722
CENSORED DEATH DAYS:
None

DOSE = 200 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
411 458 472 485 573 584 606 638 645 657 657 701 706
CENSORED DEATH DAYS:
None

DOSE = 400 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
554 615 650 657 659 671 689 689 696 701 709 713 721
CENSORED DEATH DAYS:
None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	727(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	92.0	86.0	82.0	62.0
100 MG/KG	100.0	100.0	100.0	100.0	98.0	94.0	92.0	90.0	84.0	76.0
200 MG/KG	100.0	100.0	100.0	100.0	98.0	92.0	92.0	88.0	78.0	74.0
400 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	90.0	74.0

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FIRST TERMINAL SACRIFICE AT 727 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	62.0%	76.0%	74.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.321N	P=0.222N	P=0.366N	P=0.240N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	635.8 (18.4)	601.1 (33.0)	584.1 (27.1)	671.1 (12.8)
MEAN LIFE SPAN (D) (STANDARD ERROR)	692.4 (9.3)	696.8 (10.8)	689.8 (11.3)	712.5 (4.8)

*** END OF REPORT ***

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