

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Reqsted: 08/21/2007
Time Report Reqsted: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

F_1.Rev.1_M3

C Number: C97003D
Lock Date: 01/31/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

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

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 16 CENSORED DEATHS 0 TERMINAL 34
UNCENSORED DEATH DAYS:
529 546 574 609 610 616 617 643 662 665 674 679 693 701
710 728
CENSORED DEATH DAYS:
None

DOSE = 0.6 MG/KG

TOTAL 50 UNCENSORED DEATHS 19 CENSORED DEATHS 1 TERMINAL 30
UNCENSORED DEATH DAYS:
308 483 525 563 567 624 632 644 648 659 674 675 681 699
701 702 708 708 714
CENSORED DEATH DAYS:
506

DOSE = 2 MG/KG

TOTAL 50 UNCENSORED DEATHS 11 CENSORED DEATHS 0 TERMINAL 39
UNCENSORED DEATH DAYS:
463 539 606 627 627 630 637 696 696 701 715
CENSORED DEATH DAYS:
None

DOSE = 6 MG/KG

TOTAL 50 UNCENSORED DEATHS 10 CENSORED DEATHS 0 TERMINAL 40
UNCENSORED DEATH DAYS:
501 504 505 509 568 634 658 659 683 715

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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	100.0	100.0	100.0	100.0	100.0	98.0	94.0	80.0	68.0
0.6 MG/KG	100.0	100.0	100.0	98.0	98.0	96.0	94.0	89.9	79.7	61.3
2 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	96.0	96.0	86.0	78.0
6 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	92.0	90.0	84.0	80.0

- (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	0.6 MG/KG	2 MG/KG	6 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	68.0%	61.3%	78.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.111N	P=0.626	P=0.356N	P=0.300N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	641.0 (14.6)	627.1 (23.4)	630.6 (22.9)	593.6 (26.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	701.5 (7.5)	686.4 (11.8)	708.1 (7.6)	702.7 (9.3)

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

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 17 CENSORED DEATHS 0 TERMINAL 33
UNCENSORED DEATH DAYS:
380 512 560 563 563 608 624 628 633 656 675 680 681 697
701 715 717
CENSORED DEATH DAYS:
None

DOSE = 0.6 MG/KG

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36
UNCENSORED DEATH DAYS:
372 487 613 627 640 655 660 674 680 680 682 695 697 715
CENSORED DEATH DAYS:
None

DOSE = 2 MG/KG

TOTAL 50 UNCENSORED DEATHS 20 CENSORED DEATHS 0 TERMINAL 30
UNCENSORED DEATH DAYS:
506 526 561 589 589 592 634 644 663 666 673 675 680 697
710 715 716 721 728 728
CENSORED DEATH DAYS:
None

DOSE = 6 MG/KG

TOTAL 50 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 35
UNCENSORED DEATH DAYS:
436 494 502 572 578 596 618 627 627 628 654 674 675 675
701

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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	729(A)
0 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	96.0	90.0	80.0	66.0
0.6 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	96.0	96.0	86.0	72.0
2 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	96.0	88.0	82.0	60.0
6 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	94.0	88.0	78.0	70.0

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SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	66.0%	72.0%	60.0%	70.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=0.613N	P=0.755	P=0.899N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	623.1 (21.2)	634.1 (25.1)	650.7 (15.3)	603.8 (19.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	693.0 (10.1)	702.4 (9.1)	697.7 (8.2)	691.4 (10.0)

*** END OF REPORT ***

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