

**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)

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**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

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**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

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**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

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**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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CENSORED DEATH DAYS:  
None

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**MALE MICE**  
FIRST TERMINAL SACRIFICE AT 730 DAYS

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**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

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<b>DOSE</b>	<b>TIME (DAYS)</b>									
	90	180	270	365	425	485	545	605	665	730(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	80.0	68.0
<b>0.6 MG/KG</b>	100.0	100.0	100.0	98.0	98.0	96.0	94.0	89.9	79.7	61.3
<b>2 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	98.0	96.0	96.0	86.0	78.0
<b>6 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	92.0	90.0	84.0	80.0

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- (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

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>0 MG/KG</b>	<b>0.6 MG/KG</b>	<b>2 MG/KG</b>	<b>6 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	68.0%	61.3%	78.0%	80.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.111N	P=0.626	P=0.356N	P=0.300N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	641.0 (14.6)	627.1 (23.4)	630.6 (22.9)	593.6 (26.9)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	701.5 (7.5)	686.4 (11.8)	708.1 (7.6)	702.7 (9.3)

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

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

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**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

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**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

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**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

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**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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FIRST TERMINAL SACRIFICE AT 729 DAYS

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**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

---

<b>DOSE</b>	<b>TIME (DAYS)</b>									
	90	180	270	365	425	485	545	605	665	729(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	98.0	96.0	90.0	80.0	66.0
<b>0.6 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	98.0	96.0	96.0	86.0	72.0
<b>2 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	96.0	88.0	82.0	60.0
<b>6 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	98.0	94.0	88.0	78.0	70.0

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

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FIRST TERMINAL SACRIFICE AT 729 DAYS

**SURVIVAL SUMMARY STATISTICS**

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