

**TDMS No.** 88148 - 07  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

3,3',4,4'-Tetrachloroazobenzene

**CAS Number:** 14047-09-7

**Date Report Reqsted:** 02/27/2008

**Time Report Reqsted:** 09:10:26

**First Dose M/F:** 02/04/03 / 02/03/03

**Lab:** BAT

F\_1\_ M3

**C Number:** C88148C

**Lock Date:** 08/31/2005

**Cage Range:** ALL

**Date Range:** ALL

<b>Reasons For Removal:</b>	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC	25018 DACC	

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**TDMSE Version:** 1.9.1

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

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 14                      CENSORED DEATHS 1                      TERMINAL 35  
UNCENSORED DEATH DAYS:  
486 563 584 609 609 612 618 625 682 694 700 711 718 721  
CENSORED DEATH DAYS:  
678

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**DOSE = 3 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 19                      CENSORED DEATHS 0                      TERMINAL 31  
UNCENSORED DEATH DAYS:  
165 380 416 479 524 542 552 574 591 600 624 642 659 660  
668 669 680 682 682  
CENSORED DEATH DAYS:  
None

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**DOSE = 10 MG/KG**

TOTAL 49                      UNCENSORED DEATHS 42                      CENSORED DEATHS 2                      TERMINAL 5  
UNCENSORED DEATH DAYS:  
169 358 366 366 366 437 470 471 519 521 521 529 533 542  
548 553 556 561 567 567 577 584 594 602 617 627 637 640  
644 659 662 664 665 665 669 673 678 682 689 700 716 718  
CENSORED DEATH DAYS:  
64 590

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**DOSE = 30 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 50                      CENSORED DEATHS 0                      TERMINAL 0

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INDIVIDUAL SURVIVAL TIMES (DAYS)

UNCENSORED DEATH DAYS:

206	221	233	235	242	250	254	261	288	296	315	326	337	340
357	359	366	371	372	376	380	381	388	392	399	406	413	414
416	427	430	445	451	469	470	470	482	484	490	491	492	505
505	507	507	508	510	512	519	528						

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)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	84.0	71.7
<b>3 MG/KG</b>	100.0	98.0	98.0	98.0	94.0	92.0	88.0	80.0	72.0	62.0
<b>10 MG/KG</b>	100.0	97.9	97.9	95.8	89.6	83.3	70.8	49.8	28.2	10.8
<b>30 MG/KG</b>	100.0	100.0	84.0	68.0	42.0	24.0	0.0	0.0	0.0	0.0

(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	3 MG/KG	10 MG/KG	30 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	71.7%	62.0%	10.8%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.283	P<0.001	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	638.0 (18.5)	567.8 (30.5)	568.6 (18.1)	395.9 (13.3)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	701.8 (7.7)	667.1 (15.9)	575.0 (20.0)	395.9 (13.3)

- (A) FIRST TERMINAL SACRIFICE  
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First Dose M/F: 02/04/03 / 02/03/03  
Lab: BAT

**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 731 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 14                      CENSORED DEATHS 1                      TERMINAL 35  
UNCENSORED DEATH DAYS:  
269 474 546 558 569 583 587 606 610 610 667 669 705 716  
CENSORED DEATH DAYS:  
4

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**DOSE = 3 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 20                      CENSORED DEATHS 0                      TERMINAL 30  
UNCENSORED DEATH DAYS:  
459 542 566 571 596 651 654 661 661 664 673 673 674 675  
677 703 709 716 717 722  
CENSORED DEATH DAYS:  
None

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**DOSE = 10 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 17                      CENSORED DEATHS 1                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
477 491 517 536 541 590 614 623 638 661 677 681 683 685  
692 698 711  
CENSORED DEATH DAYS:  
3

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**DOSE = 30 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 30                      CENSORED DEATHS 1                      TERMINAL 19  
UNCENSORED DEATH DAYS:  
50 304 337 337 477 477 477 485 522 540 541 543 543 545  
603 641 645 648 648 652 652 673 680 688 688 688 712 715  
728 729

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**Lab:** BAT

**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 731 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

CENSORED DEATH DAYS:

15

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FIRST TERMINAL SACRIFICE AT 731 DAYS

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	731(A)
0 MG/KG	100.0	100.0	98.0	98.0	98.0	95.9	95.9	85.7	79.6	71.4
3 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0	80.0	60.0
10 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	89.8	87.8	79.6	65.3
30 MG/KG	98.0	98.0	98.0	91.8	91.8	83.7	71.4	69.4	57.1	38.8

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SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	71.4%	60.0%	65.3%	38.8%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.438	P=0.715	P=0.002
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	583.5 (29.8)	648.2 (15.2)	618.5 (19.0)	565.6 (28.0)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	675.2 (18.5)	697.9 (8.3)	678.2 (17.0)	617.4 (23.6)

\*\*\* END OF REPORT \*\*\*

(A) FIRST TERMINAL SACRIFICE

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