

**TDMS No.** 20005 - 06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 08/27/2008  
**Time Report Requested:** 15:02:16  
**First Dose M/F:** 02/10/04 / 02/09/04  
**Lab:** BAT

F1\_M3

**C Number:** C20005  
**Lock Date:** 10/10/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.0.0

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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 18                      CENSORED DEATHS 0                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
339 492 562 562 571 578 617 637 637 653 666 673 695 696  
696 708 710 714  
CENSORED DEATH DAYS:  
None

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**DOSE = 1250 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 18                      CENSORED DEATHS 0                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
269 539 542 562 576 609 633 641 668 668 675 676 676 689  
700 708 715 728  
CENSORED DEATH DAYS:  
None

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**DOSE = 2500 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 12                      CENSORED DEATHS 0                      TERMINAL 38  
UNCENSORED DEATH DAYS:  
486 549 554 632 632 637 646 678 679 690 714 726  
CENSORED DEATH DAYS:  
None

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**DOSE = 5000 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 17                      CENSORED DEATHS 1                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
18 417 429 483 558 560 574 580 614 617 651 666 678 694  
718 725 728

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**Lab:** BAT

**MALE MICE**

FIRST TERMINAL SACRIFICE AT **730** DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

CENSORED DEATH DAYS:  
563

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Lab: BAT

**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)
<b>0 MG/KG</b>	100.0	100.0	100.0	98.0	98.0	98.0	96.0	88.0	80.0	64.0
<b>1250 MG/KG</b>	100.0	100.0	98.0	98.0	98.0	98.0	94.0	90.0	84.0	64.0
<b>2500 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	86.0	76.0
<b>5000 MG/KG</b>	98.0	98.0	98.0	98.0	96.0	92.0	92.0	83.9	77.8	65.5

- (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)

TDMS No. 20005 - 06  
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Lab: BAT

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

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>0 MG/KG</b>	<b>1250 MG/KG</b>	<b>2500 MG/KG</b>	<b>5000 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	64.0%	64.0%	76.0%	65.5%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.892N	P=1.000N	P=0.267N	P=1.000N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	622.6 (22.5)	626.3 (25.2)	635.3 (20.9)	571.2 (41.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	691.3 (10.8)	692.7 (11.4)	707.3 (7.5)	672.7 (17.7)

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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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First Dose M/F: 02/10/04 / 02/09/04  
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 12                      CENSORED DEATHS 0                      TERMINAL 38  
UNCENSORED DEATH DAYS:  
536 578 590 596 673 677 681 692 697 707 712 719  
CENSORED DEATH DAYS:  
None

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**DOSE = 1250 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 19                      CENSORED DEATHS 0                      TERMINAL 31  
UNCENSORED DEATH DAYS:  
428 449 508 550 550 588 618 626 633 633 648 668 673 697  
701 704 704 721 725  
CENSORED DEATH DAYS:  
None

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**DOSE = 2500 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 15                      CENSORED DEATHS 1                      TERMINAL 34  
UNCENSORED DEATH DAYS:  
37 299 369 444 521 578 654 661 673 694 709 711 715 725  
728  
CENSORED DEATH DAYS:  
36

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**DOSE = 5000 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 14                      CENSORED DEATHS 4                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
232 410 418 477 493 625 644 647 654 668 677 709 709 719

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

CENSORED DEATH DAYS:

225    225    428    555

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Lab: BAT

**FEMALE 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)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	92.0	92.0	76.0
<b>1250 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	96.0	94.0	88.0	78.0	62.0
<b>2500 MG/KG</b>	98.0	98.0	98.0	95.9	93.9	91.8	89.8	87.8	83.7	69.4
<b>5000 MG/KG</b>	100.0	100.0	97.9	97.9	93.8	91.6	89.5	89.5	80.8	69.8

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**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 729 DAYS

**SURVIVAL SUMMARY STATISTICS**

DOSE	0 MG/KG	1250 MG/KG	2500 MG/KG	5000 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	76.0%	62.0%	69.4%	69.8%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.764	P=0.160	P=0.555	P=0.542
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	654.8 (17.9)	622.3 (20.5)	567.9 (51.9)	577.3 (39.2)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	711.2 (6.1)	688.5 (10.6)	666.8 (22.5)	656.9 (19.9)

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

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(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  
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