

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)

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

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

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

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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MALE MICE

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

CENSORED DEATH DAYS:
563

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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	98.0	98.0	98.0	96.0	88.0	80.0	64.0
1250 MG/KG	100.0	100.0	98.0	98.0	98.0	98.0	94.0	90.0	84.0	64.0
2500 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	86.0	76.0
5000 MG/KG	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)

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MALE MICE
FIRST TERMINAL SACRIFICE AT 730 DAYS

SURVIVAL SUMMARY STATISTICS

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

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

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

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

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

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

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SURVIVAL SUMMARY STATISTICS

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