

TDMS No. 99007 - 06
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 06/25/2008

Time Report Requested: 13:40:20

First Dose M/F: 05/12/03 / 05/12/03

Lab: SRI

C Number: C99007B
Lock Date: 08/29/2006
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 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM

TOTAL 50 UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 43
UNCENSORED DEATH DAYS:
496 550 632 664 677 681 705
CENSORED DEATH DAYS:
None

DOSE = 3000 PPM

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38
UNCENSORED DEATH DAYS:
555 557 563 624 625 636 673 677 680 703 709 713
CENSORED DEATH DAYS:
None

DOSE = 9000 PPM

TOTAL 50 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 45
UNCENSORED DEATH DAYS:
551 551 563 624 666
CENSORED DEATH DAYS:
None

DOSE = 25000 PPM

TOTAL 50 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 45
UNCENSORED DEATH DAYS:
596 631 697 710 722
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 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	92.0	86.0
3000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	88.0	76.0
9000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	92.0	90.0
25000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0

- (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 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 PPM	3000 PPM	9000 PPM	25000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	86.0%	76.0%	90.0%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.245N	P=0.310	P=0.771N	P=0.716N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	629.3 (29.3)	642.9 (17.1)	591.0 (23.1)	671.2 (24.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	715.0 (6.3)	708.3 (6.6)	715.2 (6.3)	723.2 (3.3)

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

DOSE = 0 PPM

TOTAL 50 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 45
UNCENSORED DEATH DAYS:
516 535 604 621 709
CENSORED DEATH DAYS:
None

DOSE = 3000 PPM

TOTAL 50 UNCENSORED DEATHS 6 CENSORED DEATHS 0 TERMINAL 44
UNCENSORED DEATH DAYS:
428 482 522 696 696 719
CENSORED DEATH DAYS:
None

DOSE = 9000 PPM

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36
UNCENSORED DEATH DAYS:
5 359 516 633 652 654 657 672 677 679 693 703 708 719
CENSORED DEATH DAYS:
None

DOSE = 25000 PPM

TOTAL 50 UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 43
UNCENSORED DEATH DAYS:
307 521 544 563 684 692 695
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 PPM	100.0	100.0	100.0	100.0	100.0	100.0	96.0	94.0	92.0	90.0
3000 PPM	100.0	100.0	100.0	100.0	100.0	96.0	94.0	94.0	94.0	88.0
9000 PPM	98.0	98.0	98.0	96.0	96.0	96.0	94.0	94.0	86.0	72.0
25000 PPM	100.0	100.0	100.0	98.0	98.0	98.0	94.0	92.0	92.0	86.0

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SURVIVAL SUMMARY STATISTICS

DOSE	0 PPM	3000 PPM	9000 PPM	25000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	88.0%	72.0%	86.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.744	P=0.985	P=0.046	P=0.744
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	597.0 (34.3)	590.5 (52.2)	594.8 (51.9)	572.3 (52.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	715.8 (6.5)	712.4 (8.6)	691.4 (16.6)	707.1 (10.4)

*** END OF REPORT ***

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