

TDMS No. 99020 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Pulegone
CAS Number: 89-82-7

Date Report Requested: 07/23/2008
Time Report Requested: 09:18:35
First Dose M/F: 04/15/03 / 04/14/03
Lab: BAT

F1__M3

C Number: C99020
Lock Date: 12/21/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25022 ACCK 25021 TSAC 25020 NATD
25019 MSAC 25018 DACC
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 12 CENSORED DEATHS 0 TERMINAL 38
UNCENSORED DEATH DAYS:
331 477 479 535 547 549 573 640 641 646 695 714
CENSORED DEATH DAYS:
None

DOSE = 37.5 MG/KG

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 2 TERMINAL 36
UNCENSORED DEATH DAYS:
444 606 646 646 648 652 688 690 693 693 709 721
CENSORED DEATH DAYS:
59 428

DOSE = 75 MG/KG

TOTAL 50 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 42
UNCENSORED DEATH DAYS:
588 597 639 646 654 668 695 714
CENSORED DEATH DAYS:
None

DOSE = 150 MG/KG

TOTAL 50 UNCENSORED DEATHS 9 CENSORED DEATHS 0 TERMINAL 41
UNCENSORED DEATH DAYS:
141 332 473 570 638 640 702 716 718
CENSORED DEATH DAYS:
None

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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	94.0	92.0	86.0	80.0	76.0
37.5 MG/KG	100.0	100.0	100.0	100.0	100.0	97.9	97.9	97.9	87.5	75.0
75 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	90.0	84.0
150 MG/KG	100.0	98.0	98.0	96.0	96.0	94.0	94.0	92.0	88.0	82.0

- (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 730 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	76.0%	75.0%	84.0%	82.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.387N	P=1.000N	P=0.373N	P=0.594N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	568.9 (31.2)	653.0 (21.2)	650.1 (15.4)	547.8 (66.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	691.3 (12.2)	692.1 (15.7)	717.2 (4.8)	697.2 (15.1)

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

DOSE = 0 MG/KG

TOTAL 49 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 35
UNCENSORED DEATH DAYS:
450 500 598 598 659 663 666 681 683 695 702 710 715 716
CENSORED DEATH DAYS:
None

DOSE = 37.5 MG/KG

TOTAL 50 UNCENSORED DEATHS 9 CENSORED DEATHS 0 TERMINAL 41
UNCENSORED DEATH DAYS:
493 513 575 624 640 645 666 694 706
CENSORED DEATH DAYS:
None

DOSE = 75 MG/KG

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38
UNCENSORED DEATH DAYS:
268 439 541 544 584 631 642 662 667 677 701 714
CENSORED DEATH DAYS:
None

DOSE = 150 MG/KG

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 1 TERMINAL 37
UNCENSORED DEATH DAYS:
404 566 589 589 591 596 666 670 676 684 703 716
CENSORED DEATH DAYS:
2

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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	98.0	95.9	91.8	87.8	71.4
37.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	96.0	94.0	88.0	82.0
75 MG/KG	100.0	100.0	98.0	98.0	98.0	96.0	92.0	90.0	84.0	76.0
150 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	98.0	87.8	87.8	75.5

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FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	71.4%	82.0%	76.0%	75.5%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=0.352N	P=0.857N	P=0.869N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	645.4 (21.9)	617.3 (25.2)	589.2 (37.1)	620.8 (24.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	705.1 (8.2)	708.9 (7.5)	695.4 (12.1)	688.5 (16.5)

*** END OF REPORT ***

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