

TDMS No. 99024 - 08
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Androstenedione
CAS Number: 63-05-8

Date Report Requested: 05/09/2008
Time Report Requested: 12:55:58
First Dose M/F: 12/16/02 / 12/16/02
Lab: SRI

F1_M3

C Number: C99024C
Lock Date: 06/29/2006
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 MG/KG

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36
UNCENSORED DEATH DAYS:
398 489 513 534 556 561 581 590 597 610 636 650 682 684
CENSORED DEATH DAYS:
None

DOSE = 10 MG/KG

TOTAL 50 UNCENSORED DEATHS 6 CENSORED DEATHS 0 TERMINAL 44
UNCENSORED DEATH DAYS:
593 606 607 652 721 725
CENSORED DEATH DAYS:
None

DOSE = 20 MG/KG

TOTAL 50 UNCENSORED DEATHS 16 CENSORED DEATHS 0 TERMINAL 34
UNCENSORED DEATH DAYS:
256 318 472 540 613 620 631 639 660 673 683 698 701 708
720 725
CENSORED DEATH DAYS:
None

DOSE = 50 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
485 493 513 526 554 586 638 648 688 690 708 712 723
CENSORED DEATH DAYS:
None

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MALE 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)
0 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	92.0	82.0	76.0	72.0
10 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	92.0	88.0
20 MG/KG	100.0	100.0	98.0	96.0	96.0	94.0	92.0	92.0	82.0	68.0
50 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	92.0	88.0	84.0	74.0

(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 MG/KG	10 MG/KG	20 MG/KG	50 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	88.0%	68.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.797	P=0.059N	P=0.949	P=0.897N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	577.2 (20.9)	650.7 (24.3)	603.6 (35.2)	612.6 (24.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	686.5 (11.3)	719.6 (4.5)	688.9 (13.8)	698.7 (9.6)

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

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 2 TERMINAL 35
UNCENSORED DEATH DAYS:
443 547 565 589 622 625 659 670 672 681 684 687 727
CENSORED DEATH DAYS:
220 471

DOSE = 2 MG/KG

TOTAL 50 UNCENSORED DEATHS 10 CENSORED DEATHS 0 TERMINAL 40
UNCENSORED DEATH DAYS:
446 456 502 540 618 622 680 681 685 689
CENSORED DEATH DAYS:
None

DOSE = 10 MG/KG

TOTAL 50 UNCENSORED DEATHS 9 CENSORED DEATHS 1 TERMINAL 40
UNCENSORED DEATH DAYS:
152 442 508 586 618 643 646 659 672
CENSORED DEATH DAYS:
520

DOSE = 50 MG/KG

TOTAL 50 UNCENSORED DEATHS 9 CENSORED DEATHS 1 TERMINAL 40
UNCENSORED DEATH DAYS:
420 463 577 611 654 670 684 708 718
CENSORED DEATH DAYS:
158

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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	98.0	91.7	85.5	72.9
2 MG/KG	100.0	100.0	100.0	100.0	100.0	96.0	92.0	92.0	88.0	80.0
10 MG/KG	100.0	98.0	98.0	98.0	98.0	96.0	94.0	92.0	83.8	81.7
50 MG/KG	100.0	100.0	100.0	100.0	98.0	95.9	95.9	93.9	89.8	81.6

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FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	2 MG/KG	10 MG/KG	50 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.9%	80.0%	81.7%	81.6%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.615N	P=0.579N	P=0.493N	P=0.431N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	628.5 (21.2)	591.9 (30.9)	547.3 (55.6)	611.7 (35.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	687.5 (13.4)	701.6 (9.8)	692.1 (14.2)	696.5 (14.1)

*** END OF REPORT ***

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