

TDMS No. 99024 - 07
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Androstenedione
CAS Number: 63-05-8

Date Report Requested: 07/18/2008
Time Report Requested: 13:49:10
First Dose M/F: 02/03/03 / 02/03/03
Lab: SRI

F1_R2

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 RATS
FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 29 CENSORED DEATHS 0 TERMINAL 21

UNCENSORED DEATH DAYS:

387	456	464	526	540	547	547	552	554	558	589	592	604	612
619	641	651	659	686	687	688	688	689	689	699	701	701	712
724													

CENSORED DEATH DAYS:
None

DOSE = 10 MG/KG

TOTAL 50 UNCENSORED DEATHS 17 CENSORED DEATHS 0 TERMINAL 33

UNCENSORED DEATH DAYS:

224	540	551	568	621	629	639	641	641	652	672	677	701	705
708	708	712											

CENSORED DEATH DAYS:
None

DOSE = 20 MG/KG

TOTAL 50 UNCENSORED DEATHS 21 CENSORED DEATHS 0 TERMINAL 29

UNCENSORED DEATH DAYS:

387	442	521	547	558	593	605	615	621	631	641	659	674	674
674	687	694	701	701	712	712							

CENSORED DEATH DAYS:
None

DOSE = 50 MG/KG

TOTAL 50 UNCENSORED DEATHS 23 CENSORED DEATHS 0 TERMINAL 27

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INDIVIDUAL SURVIVAL TIMES (DAYS)

UNCENSORED DEATH DAYS:

544	563	587	589	589	605	607	607	610	648	659	663	666	666
666	673	676	682	684	687	697	710	717					

CENSORED DEATH DAYS:

None

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MALE RATS
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	94.0	90.0	74.0	64.0	42.0
10 MG/KG	100.0	100.0	98.0	98.0	98.0	98.0	96.0	92.0	80.0	66.0
20 MG/KG	100.0	100.0	100.0	100.0	98.0	96.0	94.0	86.0	76.0	58.0
50 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	88.0	76.0	54.0

(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 RATS
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)	42.0%	66.0%	58.0%	54.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.658N	P=0.018N	P=0.132N	P=0.255N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	612.5 (16.2)	622.9 (28.2)	621.4 (19.3)	643.3 (10.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	661.4 (12.4)	692.9 (11.8)	683.8 (11.0)	689.6 (7.7)

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FEMALE RATS
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:
512 619 619 619 621 621 688 689 689 699 703 708
CENSORED DEATH DAYS:
None

DOSE = 10 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
337 485 610 639 652 652 659 668 679 689 697 704 726
CENSORED DEATH DAYS:
None

DOSE = 20 MG/KG

TOTAL 50 UNCENSORED DEATHS 17 CENSORED DEATHS 0 TERMINAL 33
UNCENSORED DEATH DAYS:
442 547 547 547 552 575 592 596 619 619 640 641 643 652
687 688 727
CENSORED DEATH DAYS:
None

DOSE = 50 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS:
510 520 534 547 560 584 605 610 610 625 632 674 688
CENSORED DEATH DAYS:
None

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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	98.0	88.0	76.0
10 MG/KG	100.0	100.0	100.0	98.0	98.0	96.0	96.0	96.0	86.0	74.0
20 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	98.0	84.0	72.0	66.0
50 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	94.0	86.0	78.0	74.0

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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)	76.0%	74.0%	66.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.754	P=0.967	P=0.273	P=0.804
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	648.9 (16.7)	630.5 (29.5)	606.7 (16.7)	592.2 (15.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	709.8 (6.2)	703.4 (9.7)	687.4 (10.0)	693.4 (9.4)

*** END OF REPORT ***

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