

TDMS No. 99031 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Ginkgo biloba extract
CAS Number: 90045-36-6

Date Report Requested: 01/17/2011
Time Report Requested: 12:22:19
First Dose M/F: 03/23/05 / 03/24/05
Lab: BAT

F1_R2

C Number: C99031
Lock Date: 05/21/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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MALE RATS

FIRST TERMINAL SACRIFICE AT 727 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38
UNCENSORED DEATH DAYS
505 526 533 626 640 640 684 692 699 701 706 708
CENSORED DEATH DAYS
None

DOSE = 100 mg/kg

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS
15 449 519 643 657 662 667 668 685 704 706 710 714
CENSORED DEATH DAYS
None

DOSE = 300 mg/kg

TOTAL 50 UNCENSORED DEATHS 19 CENSORED DEATHS 0 TERMINAL 31
UNCENSORED DEATH DAYS
485 534 547 588 588 617 626 645 660 662 664 679 689 692
695 706 706 721 722
CENSORED DEATH DAYS
None

DOSE = 1000 mg/kg

TOTAL 50 UNCENSORED DEATHS 34 CENSORED DEATHS 0 TERMINAL 16
UNCENSORED DEATH DAYS
505 510 554 568 581 591 600 602 640 658 665 665 665 667
668 673 675 688 689 689 693 693 695 696 699 699 701 703
703 709 710 710 717 717
CENSORED DEATH DAYS
None

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FIRST TERMINAL SACRIFICE AT 727 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	727(A)
0 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	94.0	94.0	88.0	76.0
100 mg/kg	98.0	98.0	98.0	98.0	98.0	96.0	94.0	94.0	88.0	74.0
300 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0	78.0	62.0
1000 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	96.0	84.0	74.0	32.0

(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 727 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	76.0%	74.0%	62.0%	32.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	P=0.993	P=0.190	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	638.3 (22.0)	599.9 (53.4)	643.5 (15.6)	658.8 (10.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	705.7 (7.4)	694.0 (15.6)	695.3 (8.2)	680.6 (8.2)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 728 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 50	UNCENSORED DEATHS 13	CENSORED DEATHS 0	TERMINAL 37									
UNCENSORED DEATH DAYS												
454	498	551	587	596	614	641	653	663	688	698	713	713
CENSORED DEATH DAYS												
None												

DOSE = 100 mg/kg

TOTAL 50	UNCENSORED DEATHS 23	CENSORED DEATHS 0	TERMINAL 27										
UNCENSORED DEATH DAYS													
327	380	383	433	475	559	560	588	609	609	629	639	644	644
655	660	666	670	692	696	705	711	725					
CENSORED DEATH DAYS													
None													

DOSE = 300 mg/kg

TOTAL 50	UNCENSORED DEATHS 13	CENSORED DEATHS 0	TERMINAL 37									
UNCENSORED DEATH DAYS												
474	533	580	582	609	644	652	655	656	664	700	710	721
CENSORED DEATH DAYS												
None												

DOSE = 1000 mg/kg

TOTAL 50	UNCENSORED DEATHS 17	CENSORED DEATHS 1	TERMINAL 32										
UNCENSORED DEATH DAYS													
47	232	263	449	521	533	566	571	618	622	637	639	651	656
672	723	723											
CENSORED DEATH DAYS													
587													

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	728(A)
0 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0	82.0	74.0
100 mg/kg	100.0	100.0	100.0	98.0	94.0	90.0	90.0	84.0	68.0	54.0
300 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	96.0	92.0	80.0	74.0
1000 mg/kg	98.0	98.0	94.0	94.0	94.0	92.0	88.0	84.0	71.7	65.6

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	74.0%	54.0%	74.0%	65.6%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.897	P=0.051	P=1.000N	P=0.402
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	620.7 (22.7)	593.9 (24.1)	629.2 (19.9)	536.6 (45.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	700.1 (8.8)	666.3 (14.5)	702.3 (8.0)	660.1 (20.0)

*** END OF REPORT ***

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