

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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FIRST TERMINAL SACRIFICE AT 728 DAYS

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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FIRST TERMINAL SACRIFICE AT 728 DAYS

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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