

TDMS No. 99031 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Ginkgo biloba extract
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011
Time Report Requested: 14:43:06
First Dose M/F: 03/17/05 / 03/18/05
Lab: BAT

F1_M3

C Number: C99031
Lock Date: 05/05/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.1
PWG Approval Date: NONE

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MALE MICE

FIRST TERMINAL SACRIFICE AT 726 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 50	UNCENSORED DEATHS 16				CENSORED DEATHS 0				TERMINAL 34				
UNCENSORED DEATH DAYS													
400	442	482	485	592	594	602	610	624	647	660	678	707	711
720	721												
CENSORED DEATH DAYS													
None													

DOSE = 200 mg/kg

TOTAL 50	UNCENSORED DEATHS 23				CENSORED DEATHS 0				TERMINAL 27				
UNCENSORED DEATH DAYS													
314	400	505	510	520	555	565	565	601	615	621	623	623	628
632	636	645	645	674	674	686	687	700					
CENSORED DEATH DAYS													
None													

DOSE = 600 mg/kg

TOTAL 50	UNCENSORED DEATHS 28				CENSORED DEATHS 1				TERMINAL 21				
UNCENSORED DEATH DAYS													
184	308	453	477	490	527	531	572	572	575	582	586	611	629
632	639	665	671	672	673	674	681	686	698	700	701	705	721
CENSORED DEATH DAYS													
7													

DOSE = 2000 mg/kg

TOTAL 50	UNCENSORED DEATHS 27				CENSORED DEATHS 0				TERMINAL 23				
UNCENSORED DEATH DAYS													
76	443	516	553	573	575	580	586	597	602	604	616	620	635
637	641	643	651	658	672	681	688	690	699	700	705	717	
CENSORED DEATH DAYS													
None													

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FIRST TERMINAL SACRIFICE AT 726 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	726(A)
0 mg/kg	100.0	100.0	100.0	100.0	98.0	92.0	92.0	86.0	78.0	68.0
200 mg/kg	100.0	100.0	100.0	98.0	96.0	96.0	90.0	82.0	64.0	54.0
600 mg/kg	100.0	100.0	98.0	95.9	95.9	91.8	85.7	75.5	65.3	42.9
2000 mg/kg	98.0	98.0	98.0	98.0	98.0	96.0	94.0	78.0	62.0	46.0

(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 **726** DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	68.0%	54.0%	42.9%	46.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.129	P=0.180	P=0.017	P=0.039
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	604.7 (25.6)	592.3 (19.5)	593.4 (23.5)	605.9 (23.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	687.2 (11.4)	664.5 (13.0)	637.4 (20.5)	661.1 (15.3)

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FEMALE MICE

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

DOSE = 0 mg/kg

TOTAL 50	UNCENSORED DEATHS 14					CENSORED DEATHS 5					TERMINAL 31		
UNCENSORED DEATH DAYS													
453	476	531	547	589	653	657	659	694	700	700	708	720	721
CENSORED DEATH DAYS													
3	6	6	14	15									

DOSE = 200 mg/kg

TOTAL 50	UNCENSORED DEATHS 12					CENSORED DEATHS 2					TERMINAL 36		
UNCENSORED DEATH DAYS													
447	488	586	596	627	634	648	656	659	685	704	704		
CENSORED DEATH DAYS													
685	685												

DOSE = 600 mg/kg

TOTAL 50	UNCENSORED DEATHS 6					CENSORED DEATHS 1					TERMINAL 43		
UNCENSORED DEATH DAYS													
414	557	587	628	718	718								
CENSORED DEATH DAYS													
7													

DOSE = 2000 mg/kg

TOTAL 50	UNCENSORED DEATHS 14					CENSORED DEATHS 0					TERMINAL 36		
UNCENSORED DEATH DAYS													
497	498	589	593	609	619	644	656	672	692	693	698	699	707
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	95.6	93.3	88.9	82.2	68.9
200 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	96.0	92.0	82.0	75.8
600 mg/kg	100.0	100.0	100.0	100.0	98.0	98.0	98.0	93.9	91.8	87.8
2000 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	96.0	92.0	84.0	72.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	68.9%	75.8%	87.8%	72.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.947	P=0.648N	P=0.048N	P=0.938N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	629.1 (24.8)	619.5 (23.2)	603.7 (46.6)	633.3 (18.8)
MEAN LIFE SPAN (D) (STANDARD ERROR)	627.8 (30.9)	699.5 (8.5)	697.8 (16.1)	700.8 (7.9)

*** END OF REPORT ***

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