

Experiment Number: 20203 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Green tea extract
CAS Number: GREENTEAEXTR

Date Report Requested: 04/08/2013
Time Report Requested: 08:19:13
First Dose M/F: 07/18/07 / 07/19/07
Lab: BAT

F1_RE

NTP Study Number:	C20203		
Lock Date:	11/12/2010		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC 25018 DACC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.1.1_001		
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 15				CENSORED DEATHS 0				TERMINAL 35				
UNCENSORED DEATH DAYS													
505	519	519	519	525	538	539	604	629	631	645	668	671	674
709													
CENSORED DEATH DAYS													
None													

DOSE = 100 mg/kg

TOTAL 50	UNCENSORED DEATHS 13				CENSORED DEATHS 0				TERMINAL 37			
UNCENSORED DEATH DAYS												
344	513	541	584	604	608	636	645	650	661	668	692	706
CENSORED DEATH DAYS												
None												

DOSE = 300 mg/kg

TOTAL 50	UNCENSORED DEATHS 7				CENSORED DEATHS 0				TERMINAL 43			
UNCENSORED DEATH DAYS												
224	585	596	608	643	646	701						
CENSORED DEATH DAYS												
None												

DOSE = 1000 mg/kg

TOTAL 50	UNCENSORED DEATHS 24				CENSORED DEATHS 2				TERMINAL 24				
UNCENSORED DEATH DAYS													
53	192	216	336	340	350	352	462	463	513	525	554	578	580
584	588	594	611	615	625	665	668	697	699				
CENSORED DEATH DAYS													
109	109												

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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	86.0	84.0	78.0	70.0
100 mg/kg	100.0	100.0	100.0	98.0	98.0	98.0	94.0	90.0	80.0	74.0
300 mg/kg	100.0	100.0	98.0	98.0	98.0	98.0	98.0	94.0	88.0	86.0
1000 mg/kg	98.0	98.0	93.8	85.5	85.5	81.3	77.1	64.6	56.3	50.0

(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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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)	70.0%	74.0%	86.0%	50.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.001	P=0.755N	P=0.085N	P=0.037
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	593.0 (18.5)	604.0 (26.6)	571.9 (59.8)	494.2 (35.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	686.8 (10.3)	695.0 (10.2)	705.3 (11.0)	590.5 (27.3)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 50	UNCENSORED DEATHS 24				CENSORED DEATHS 0				TERMINAL 26				
UNCENSORED DEATH DAYS													
341	372	495	506	540	554	561	566	597	608	628	632	645	645
648	667	674	678	688	698	700	701	718	719				
CENSORED DEATH DAYS													
None													

DOSE = 100 mg/kg

TOTAL 50	UNCENSORED DEATHS 22				CENSORED DEATHS 0				TERMINAL 28				
UNCENSORED DEATH DAYS													
15	64	308	408	430	484	490	506	522	551	598	628	645	649
664	678	689	691	694	714	714	719						
CENSORED DEATH DAYS													
None													

DOSE = 300 mg/kg

TOTAL 50	UNCENSORED DEATHS 26				CENSORED DEATHS 1				TERMINAL 23				
UNCENSORED DEATH DAYS													
6	9	21	108	216	239	275	309	328	362	407	467	506	506
530	541	584	610	628	632	632	675	698	700	715	719		
CENSORED DEATH DAYS													
99													

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FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1000 mg/kg

TOTAL 50

UNCENSORED DEATHS 43

CENSORED DEATHS 3

TERMINAL 4

UNCENSORED DEATH DAYS

7	15	15	96	99	161	165	173	173	211	217	226	236	267
334	373	386	408	434	443	444	446	471	497	509	513	513	530
531	533	537	540	544	574	584	599	603	610	611	627	656	668
714													

CENSORED DEATH DAYS

20	84	99
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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	98.0	96.0	96.0	90.0	82.0	70.0	52.0
100 mg/kg	96.0	96.0	96.0	94.0	92.0	88.0	82.0	78.0	70.0	56.0
300 mg/kg	94.0	92.0	87.9	79.7	77.7	75.6	67.4	65.4	57.2	47.0
1000 mg/kg	94.0	81.3	70.6	68.4	62.0	51.3	29.9	21.4	12.8	8.6

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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)	52.0%	56.0%	47.0%	8.6%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	P=0.910N	P=0.394	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	607.5 (20.7)	539.1 (42.2)	439.3 (45.5)	402.2 (30.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	670.7 (13.1)	645.5 (22.7)	565.8 (32.5)	408.2 (31.6)

*** END OF REPORT ***

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