

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

Tetrabromobisphenol A

**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013

**Time Report Requested:** 09:26:56

**First Dose M/F:** 08/07/07 / 08/06/07

**Lab:** BAT

F1\_M3

**NTP Study Number:** C20320  
**Lock Date:** 01/12/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.1.0\_004  
**PWG Approval Date:** NONE

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MALE MICE

FIRST TERMINAL SACRIFICE AT 730 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 50	UNCENSORED DEATHS 17	CENSORED DEATHS 0	TERMINAL 33										
UNCENSORED DEATH DAYS													
374	448	501	521	555	595	619	631	640	640	644	645	661	673
683	699	714											
CENSORED DEATH DAYS													
None													

DOSE = 250 mg/kg

TOTAL 50	UNCENSORED DEATHS 25	CENSORED DEATHS 0	TERMINAL 25										
UNCENSORED DEATH DAYS													
403	426	470	526	535	589	598	602	608	613	613	633	657	664
665	673	687	693	697	700	708	713	713	714	729			
CENSORED DEATH DAYS													
None													

DOSE = 500 mg/kg

TOTAL 50	UNCENSORED DEATHS 11	CENSORED DEATHS 0	TERMINAL 39										
UNCENSORED DEATH DAYS													
513	522	535	540	568	577	613	668	674	714	722			
CENSORED DEATH DAYS													
None													

DOSE = 1000 mg/kg

TOTAL 50	UNCENSORED DEATHS 37	CENSORED DEATHS 1	TERMINAL 12										
UNCENSORED DEATH DAYS													
130	213	233	340	385	408	411	421	424	459	465	484	502	511
511	522	528	537	543	547	548	585	594	609	613	616	633	653
661	667	686	686	688	704	704	707	718					
CENSORED DEATH DAYS													
451													

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MALE MICE

FIRST TERMINAL SACRIFICE AT 730 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
0 mg/kg	100.0	100.0	100.0	100.0	98.0	96.0	92.0	88.0	74.0	66.0
250 mg/kg	100.0	100.0	100.0	100.0	98.0	94.0	90.0	84.0	70.0	50.0
500 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	92.0	88.0	86.0	78.0
1000 mg/kg	100.0	98.0	94.0	92.0	82.0	75.9	61.5	53.3	41.0	24.6

(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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Lab: BAT

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 730 DAYS

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	66.0%	50.0%	78.0%	24.6%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.200	P=0.260N	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	602.5 (22.6)	625.2 (18.3)	604.2 (23.5)	531.0 (23.9)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	686.7 (11.5)	677.6 (11.7)	702.3 (9.0)	577.1 (21.5)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg

TOTAL 0	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 0
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 250 mg/kg

TOTAL 50	UNCENSORED DEATHS 19	CENSORED DEATHS 0	TERMINAL 31											
UNCENSORED DEATH DAYS														
526	556	561	596	619	631	645	656	673	683	694	701	702	710	
711	712	718	722	723										
CENSORED DEATH DAYS														
None														

DOSE = 500 mg/kg

TOTAL 50	UNCENSORED DEATHS 14	CENSORED DEATHS 0	TERMINAL 36										
UNCENSORED DEATH DAYS													
480	486	487	520	552	619	624	638	644	659	669	688	701	728
CENSORED DEATH DAYS													
None													

DOSE = 1000 mg/kg

TOTAL 50	UNCENSORED DEATHS 45	CENSORED DEATHS 1	TERMINAL 4										
UNCENSORED DEATH DAYS													
129	157	185	206	212	221	227	231	233	234	250	276	278	291
302	302	325	339	339	344	347	354	354	362	367	373	374	388
430	433	440	486	487	527	531	531	534	542	545	633	643	646
655	681	682											
CENSORED DEATH DAYS													
318													

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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	98.0	92.0	84.0	62.0
500 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	92.0	90.0	80.0	72.0
1000 mg/kg	100.0	96.0	78.0	51.5	43.3	37.1	20.6	20.6	12.4	8.2

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	62.0%	72.0%	8.2%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	659.9 (14.3)	606.8 (22.9)	387.2 (22.8)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	. (.)	702.8 (7.2)	694.8 (10.0)	413.2 (24.5)

\*\*\* END OF REPORT \*\*\*

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)