

**Experiment Number:** 20215-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** tert-Butyl hydroperoxide  
**CAS Number:** 75-91-2

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 05:20:39  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20215B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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First Dose M/F: NA / NA  
Lab: BAT

Male RAT FIRST TERMINAL SACRIFICE AT 17 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)				
<hr/>				
DOSE = 0	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 22	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 44	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 88	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

(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 Dose M/F: NA / NA  
Lab: BAT

Male RAT				
FIRST TERMINAL SACRIFICE AT 17 DAYS				
INDIVIDUAL SURVIVAL TIMES (DAYS)				
<hr/>				
DOSE = 175	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 350	MG/KG			
TOTAL 5		UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 4
UNCENSORED DEATH DAYS				
8				
CENSORED DEATH DAYS				
none				

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**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)											
DOSE		TIME (DAYS)									
		2	4	6	8	10	12	14	16	18	17(A)
0	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
22	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
44	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
350	MG/KG	100.0	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0

(A) FIRST TERMINAL SACRIFICE

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

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

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First Dose M/F: NA / NA  
Lab: BAT

Male RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	22 MG/KG	44 MG/KG	88 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.213	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)

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First Dose M/F: NA / NA  
Lab: BAT

Male RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS		
DOSE	175 MG/KG	350 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	8.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	17.0 (0.0)	15.2 (1.8)

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First Dose M/F: NA / NA  
Lab: BAT

Female RAT FIRST TERMINAL SACRIFICE AT 17 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)				
<hr/>				
DOSE = 0	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 22	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 44	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
<hr/>				
DOSE = 88	MG/KG			
TOTAL 5		UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

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Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA  
Lab: BAT

Female RAT			
FIRST TERMINAL SACRIFICE AT 17 DAYS			
INDIVIDUAL SURVIVAL TIMES (DAYS)			
<hr/>			
DOSE = 175    MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 350    MG/KG			
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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 FIRST TERMINAL SACRIFICE AT 17 DAYS

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		2	4	6	8	10	12	14	16	18	17(A)
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44	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
175	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
350	MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)

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Female RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS		
DOSE	175 MG/KG	350 MG/KG
SURVIVAL AT END OF STUDY	100.0%	100.0%
(KAPLAN-MEIER)		
SIGNIFICANCE (B)	-----	-----
(LIFE TABLE)		
MEAN DAY OF NATURAL DEATHS (C)	.	.
(STANDARD ERROR)	(.)	(.)
MEAN LIFE SPAN (D)	17.0	17.0
(STANDARD ERROR)	(0.0)	(0.0)

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

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