

**Experiment Number:** 20215-03  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**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:** 10/20/2014  
**Time Report Requested:** 04:21:44  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20215
<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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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				

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**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

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

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

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)	-----	-----	-----	-----
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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(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)

Male RAT  
FIRST TERMINAL SACRIFICE AT 17 DAYS

SURVIVAL SUMMARY STATISTICS

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

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

**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

<b>DOSE = 0    MG/KG</b>				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				
<b>DOSE = 22    MG/KG</b>				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				
<b>DOSE = 44    MG/KG</b>				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				
<b>DOSE = 88    MG/KG</b>				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
<b>UNCENSORED DEATH DAYS</b>				
none				
<b>CENSORED DEATH DAYS</b>				
none				

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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				

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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
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88	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 SUMMARY STATISTICS

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

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