

Experiment Number: 88038-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Glyoxal
CAS Number: 107-22-2

Date Report Requested: 10/17/2014
Time Report Requested: 13:22:12
First Dose M/F: NA / NA
Lab: SRI

C Number:	C88038
Lock Date:	01/24/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Male RAT
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 1 MG/ML

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 2 MG/ML

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 4 MG/ML

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

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: SRI

Male RAT
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 8 MG/ML									
TOTAL 10			UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10
UNCENSORED DEATH DAYS									
none									
CENSORED DEATH DAYS									
none									

DOSE = 16 MG/ML									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
12	12	12	12	12	12	12	12	12	12
CENSORED DEATH DAYS									
none									

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Male RAT
FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16 MG/ML	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

Male RAT
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	1 MG/ML	2 MG/ML	4 MG/ML
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	92.0	92.0	92.0	92.0
	(0.0)	(0.0)	(0.0)	(0.0)

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Lab: SRI

Male RAT
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	8 MG/ML	16 MG/ML
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	12.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	92.0 (0.0)	12.0 (0.0)

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First Dose M/F: NA / NA

Lab: SRI

Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 1 MG/ML			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 2 MG/ML			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 4 MG/ML			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Female RAT
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 8 MG/ML											
TOTAL 10			UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10		
UNCENSORED DEATH DAYS											
none											
CENSORED DEATH DAYS											
none											

DOSE = 16 MG/ML											
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0		
UNCENSORED DEATH DAYS											
12	12	12	12	12	12	12	12	12	12	12	
CENSORED DEATH DAYS											
none											

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4 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
8 MG/ML	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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