

Experiment Number: 99920-98
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

Date Report Requested: 10/23/2014
Time Report Requested: 09:37:36
First Dose M/F: NA / NA
Lab: NCTR

C Number:	MG96006
Lock Date:	Not Entered.
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 160 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F1 CONTROL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 2.0 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 10 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 50 PPB			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
98			
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 TERMINAL SACRIFICE AT 160 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	16	32	48	64	80	96	112	128	144	160(A)
F1 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F1 2.0 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F1 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F1 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	96.2	96.2	96.2	96.2

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Male RAT
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SURVIVAL SUMMARY STATISTICS

DOSE	F1 CONTROL	F1 2.0 PPB	F1 10 PPB	F1 50 PPB
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	96.2%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.489	-----	-----	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	98.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	160.0 (0.0)	160.0 (0.0)	160.0 (0.0)	157.6 (2.4)

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INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F1 CONTROL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 2.0 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 10 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F1 50 PPB			
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UNCENSORED DEATH DAYS			
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CENSORED DEATH DAYS			
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F1 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F1 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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DOSE	F1 CONTROL	F1 2.0 PPB	F1 10 PPB	F1 50 PPB
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)	159.0 (0.0)	159.0 (0.0)	159.0 (0.0)	159.0 (0.0)

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