

Experiment Number: 99920-99
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: 10:31:13
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 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 CONTROL			
TOTAL 25	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 24
UNCENSORED DEATH DAYS			
139			
CENSORED DEATH DAYS			
none			

DOSE = F0 2.0 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F0 10 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F0 50 PPB			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
63			
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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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	14	28	42	56	70	84	98	112	126	140(A)
F0 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0
F0 2.0 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F0 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F0 50 PPB	100.0	100.0	100.0	100.0	96.2	96.2	96.2	96.2	96.2	96.2

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SURVIVAL SUMMARY STATISTICS

DOSE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	96.0%	100.0%	100.0%	96.2%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	139.0 (.)	. (.)	. (.)	63.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	140.0 (0.0)	140.0 (0.0)	140.0 (0.0)	137.0 (3.0)

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Female RAT
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INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0	CONTROL	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 25		0	0	25
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = F0	2.0 PPB	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 25		0	0	25
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = F0	10 PPB	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 25		0	0	25
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = F0	50 PPB	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 25		0	0	25
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

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F0 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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F0 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F0 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	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 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)	140.0 (0.0)	140.0 (0.0)	140.0 (0.0)	140.0 (0.0)

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