

Experiment Number: 99920-95
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: 12:57:50
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 159 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F4 CONTROL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = F4/2PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = F4/10PPB TO CTRL			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
72			
CENSORED DEATH DAYS			
none			
DOSE = F4/50PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
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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Male RAT
FIRST TERMINAL SACRIFICE AT 159 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	16	32	48	64	80	96	112	128	144	159(A)
F4 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F4/2PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F4/10PPB TO CTRL	100.0	100.0	100.0	100.0	96.2	96.2	96.2	96.2	96.2	96.2
F4/50PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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 FIRST TERMINAL SACRIFICE AT 159 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F4 CONTROL	F4/2PPB TO CTRL	F4/10PPB TO CTRL	F4/50PPB TO CTRL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	96.2%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	72.0	.
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	159.0	159.0	155.7	159.0
	(0.0)	(0.0)	(3.3)	(0.0)

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INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F4 CONTROL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = F4/2PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = F4/10PPB TO CTRL			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
93			
CENSORED DEATH DAYS			
none			
DOSE = F4/50PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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F4/2PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F4/10PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	96.2	96.2	96.2	96.2	96.2	96.2
F4/50PPB TO CTRL	100.0	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	F4 CONTROL	F4/2PPB TO CTRL	F4/10PPB TO CTRL	F4/50PPB TO CTRL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	96.2%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	93.0	.
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	159.0	159.0	156.5	159.0
	(0.0)	(0.0)	(2.5)	(0.0)

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**** END OF REPORT ****

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