

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
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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First Dose M/F: NA / NA
Lab: NCTR

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 = F1 CONTROL

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F2 CONTROL

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F3 CONTROL

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

Male RAT
FIRST TERMINAL SACRIFICE AT 140 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

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

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

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

Male RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 2.0 PPB			
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 = F2 2.0 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F3/2PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

(A) FIRST TERMINAL SACRIFICE

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

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

Male RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 10 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 = F2 10 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F3/10PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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

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Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
Route: DOSED FEED
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First Dose M/F: NA / NA
Lab: NCTR

Male RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 50 PPB			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
63			
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			
DOSE = F2 50 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = F3/50PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

(A) FIRST TERMINAL SACRIFICE

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Male RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

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
F1 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F2 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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	100.0	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
F0 2.0 PPB	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
F2 2.0 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/2PPB TO CTRL	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
F1 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F2 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/10PPB TO CTRL	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
F1 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	96.2	96.2	96.2	96.2
F2 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/50PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(A) FIRST TERMINAL SACRIFICE

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

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CAS Number: 57-63-6

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: NCTR

Male RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 CONTROL	F1 CONTROL	F2 CONTROL	F3 CONTROL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	96.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.433	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	139.0 (.)	. (.)	. (.)	. (.)
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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Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)
CAS Number: 57-63-6

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Time Report Requested: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Male RAT
 FIRST TERMINAL SACRIFICE AT 140 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)	140.0	140.0	137.4	140.0
	(0.0)	(0.0)	(2.6)	(0.0)

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Lab: NCTR

Male RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 2.0 PPB	F1 2.0 PPB	F2 2.0 PPB	F3/2PPB TO CTRL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=1.000N	P=1.000N	P=1.000N
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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Lab: NCTR

Male RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 10 PPB	F1 10 PPB	F2 10 PPB	F3/10PPB TO CTRL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	140.0	140.0	140.0	140.0
	(0.0)	(0.0)	(0.0)	(0.0)

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Male RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 50 PPB	F1 50 PPB	F2 50 PPB	F3/50PPB TO CTRL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	96.2%	96.2%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	63.0 (.)	98.0 (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	137.0 (3.0)	138.4 (1.6)	140.0 (0.0)	140.0 (0.0)

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

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 CONTROL

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F1 Control

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F2 CONTROL

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F3 CONTROL

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

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Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 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			
<hr/>			
DOSE = F4/2PPB TO CTRL			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = F4/10PPB TO CTRL			
TOTAL 26	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
93			
CENSORED DEATH DAYS			
none			
<hr/>			
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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Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 2.0 PPB			
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 = F2 2.0 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F3/2PPB 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)

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = F0 10 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 = F2 10 PPB

TOTAL 25 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = F3/10PPB 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)

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

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

DOSE = F1 50 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F2 50 PPB			
TOTAL 25	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 25
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = F3/50PPB 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)

Experiment Number: 99920-91
 Test Type: MULTIGEN CHRONIC
 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: 11:11:44
 First Dose M/F: NA / NA
 Lab: NCTR

Female RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

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	100.0
F1 Control	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F2 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3 CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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 CTR	100.0	100.0	100.0	100.0	100.0	100.0	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
F0 2.0 PPB	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
F2 2.0 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/2PPB TO CTRL	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
F1 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F2 10 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/10PPB TO CTRL	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
F1 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F2 50 PPB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
F3/50PPB TO CTRL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(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)

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 CONTROL	F1 Control	F2 CONTROL	F3 CONTROL
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	140.0	140.0	140.0	140.0
	(0.0)	(0.0)	(0.0)	(0.0)

(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)

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F4 CONTROL	F4/2PPB TO CTRL	F4/10PPB TO CTR	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)	140.0	140.0	138.2	140.0
	(0.0)	(0.0)	(1.8)	(0.0)

(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)

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 2.0 PPB	F1 2.0 PPB	F2 2.0 PPB	F3/2PPB TO CTRL
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)

(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".

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

Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
 FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 10 PPB	F1 10 PPB	F2 10 PPB	F3/10PPB TO CTRL
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)

(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".

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Experiment Number: 99920-91
Test Type: MULTIGEN CHRONIC
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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

Female RAT
FIRST TERMINAL SACRIFICE AT 140 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	F0 50 PPB	F1 50 PPB	F2 50 PPB	F3/50PPB TO CTRL
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)

(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".

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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: 11:11:44
First Dose M/F: NA / NA
Lab: NCTR

**** END OF REPORT ****

(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)