

Experiment Number: 89029-03
Test Type: 150-DAY
Route: MAGNETIC FIELDS
Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Magnetic fields (EMF)
CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
Time Report Requested: 19:44:24
First Dose M/F: NA / NA
Lab: IIT

C Number: C89029B
Lock Date: 01/05/1995
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

Experiment Number: 89029-03

Test Type: 150-DAY

Route: MAGNETIC FIELDS

Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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First Dose M/F: NA / NA

Lab: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = SHAM CONTROL											
TOTAL 19			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS											
72	79	82	82	90	105	113	120	124	138	154	157
CENSORED DEATH DAYS											
none											
DOSE = SHAM CONTROL											
TOTAL 11			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS											
72	79	82	82	90	105	113	120	124	138	154	157
CENSORED DEATH DAYS											
none											
DOSE = 0.02 GAUSS											
TOTAL 19			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS											
82	91	94	94	98	98	100	112	118	122	126	141
CENSORED DEATH DAYS											
none											
DOSE = 0.02 GAUSS											
TOTAL 11			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS											
82	91	94	94	98	98	100	112	118	122	126	141
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: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2 GAUSS													
TOTAL 19			UNCENSORED DEATHS 10				CENSORED DEATHS 0			TERMINAL 20			
UNCENSORED DEATH DAYS													
66	82	84	87	90	95	99	101	105	123				
CENSORED DEATH DAYS													
none													
DOSE = 2 GAUSS													
TOTAL 11			UNCENSORED DEATHS 10				CENSORED DEATHS 0			TERMINAL 20			
UNCENSORED DEATH DAYS													
66	82	84	87	90	95	99	101	105	123				
CENSORED DEATH DAYS													
none													
DOSE = 10 GAUSS													
TOTAL 19			UNCENSORED DEATHS 7				CENSORED DEATHS 0			TERMINAL 23			
UNCENSORED DEATH DAYS													
64	76	91	103	106	107	154							
CENSORED DEATH DAYS													
none													
DOSE = 10 GAUSSINTER													
TOTAL 19			UNCENSORED DEATHS 16				CENSORED DEATHS 0			TERMINAL 14			
UNCENSORED DEATH DAYS													
34	78	81	84	85	91	98	101	111	111	114	121	125	127
154	154												
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: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 10 GAUSS													
TOTAL 11			UNCENSORED DEATHS 7				CENSORED DEATHS 0				TERMINAL 23		
UNCENSORED DEATH DAYS													
64	76	91	103	106	107	154							
CENSORED DEATH DAYS													
none													

DOSE = 10 GAUSSINTER													
TOTAL 11			UNCENSORED DEATHS 16				CENSORED DEATHS 0				TERMINAL 14		
UNCENSORED DEATH DAYS													
34	78	81	84	85	91	98	101	111	111	114	121	125	127
154	154												
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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Test Type: 150-DAY
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First Dose M/F: NA / NA
Lab: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	17	34	51	68	85	102	119	136	153	163(A)
SHAM CONTROL	100.0	100.0	100.0	100.0	78.9	73.7	63.2	52.6	47.4	36.8
SHAM CONTROL	100.0	100.0	100.0	100.0	63.6	54.5	36.4	18.2	9.1	0.0
0.02 GAUSS	100.0	100.0	100.0	100.0	94.7	63.2	52.6	42.1	36.8	36.8
0.02 GAUSS	100.0	100.0	100.0	100.0	90.9	36.4	18.2	0.0	0.0	0.0
2 GAUSS	100.0	100.0	100.0	94.7	84.2	57.9	52.6	47.4	47.4	47.4
2 GAUSS	100.0	100.0	100.0	90.9	72.7	27.3	18.2	9.1	9.1	9.1
10 GAUSS	100.0	100.0	100.0	94.7	89.5	84.2	68.4	68.4	68.4	63.2
10 GAUSSINTER	100.0	94.7	94.7	94.7	73.7	57.9	42.1	26.3	26.3	15.8
10 GAUSS	100.0	100.0	100.0	90.9	81.8	72.7	45.5	45.5	45.5	36.4
10 GAUSSINTER	100.0	90.9	90.9	90.9	54.5	27.3	0.0	0.0	0.0	0.0

(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)

Experiment Number: 89029-03
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Route: MAGNETIC FIELDS
Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Magnetic fields (EMF)
CAS Number: MAGNETIC

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	SHAM CONTROL	SHAM CONTROL	0.02 GAUSS	0.02 GAUSS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	36.8%	0.0%	36.8%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	----	P=1.000	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	109.7 (8.5)	109.7 (8.5)	106.3 (5.0)	106.3 (5.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	141.7 (5.9)	141.7 (5.9)	140.3 (5.5)	140.3 (5.5)

(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)

Experiment Number: 89029-03
Test Type: 150-DAY
Route: MAGNETIC FIELDS
Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Magnetic fields (EMF)
CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2 GAUSS	2 GAUSS	10 GAUSS	10 GAUSSINTER
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	47.4%	9.1%	63.2%	15.8%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.877N	P=0.877N	P=0.291N	P=0.390
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	93.2 (4.9)	93.2 (4.9)	100.1 (10.9)	104.3 (7.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	139.7 (6.3)	139.7 (6.3)	148.3 (5.5)	131.7 (6.7)

(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: IIT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 163 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	10 GAUSS	10 GAUSSINTER
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	36.4%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.291N	P=0.390
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	100.1 (10.9)	104.3 (7.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	148.3 (5.5)	131.7 (6.7)

(A) FIRST TERMINAL SACRIFICE

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Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Magnetic fields (EMF)

CAS Number: MAGNETIC

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Time Report Requested: 19:44:24

First Dose M/F: NA / NA

Lab: IIT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = SHAM CONTROL										
TOTAL 19			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 20	
UNCENSORED DEATH DAYS										
82	90	90	97	114	120	123	125	132	138	
CENSORED DEATH DAYS										
none										
DOSE = SHAM CONTROL										
TOTAL 11			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 20	
UNCENSORED DEATH DAYS										
82	90	90	97	114	120	123	125	132	138	
CENSORED DEATH DAYS										
none										
DOSE = 0.02 GAUSS										
TOTAL 19			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18	
UNCENSORED DEATH DAYS										
22	43	43	86	90	91	100	113	116	138	141 141
CENSORED DEATH DAYS										
none										
DOSE = 0.02 GAUSS										
TOTAL 11			UNCENSORED DEATHS 12			CENSORED DEATHS 0			TERMINAL 18	
UNCENSORED DEATH DAYS										
22	43	43	86	90	91	100	113	116	138	141 141
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: IIT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2 GAUSS												
TOTAL 19			UNCENSORED DEATHS 8				CENSORED DEATHS 0			TERMINAL 21		
UNCENSORED DEATH DAYS												
81	90	90	93	106	120	124	128					
CENSORED DEATH DAYS												
none												
DOSE = 2 GAUSS												
TOTAL 11			UNCENSORED DEATHS 8				CENSORED DEATHS 0			TERMINAL 21		
UNCENSORED DEATH DAYS												
81	90	90	93	106	120	124	128					
CENSORED DEATH DAYS												
none												
DOSE = 10 GAUSS												
TOTAL 19			UNCENSORED DEATHS 13				CENSORED DEATHS 0			TERMINAL 17		
UNCENSORED DEATH DAYS												
78	89	92	96	96	97	99	103	111	120	121	124	148
CENSORED DEATH DAYS												
none												
DOSE = 10 GAUSSINTER												
TOTAL 19			UNCENSORED DEATHS 12				CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS												
36	83	90	93	94	98	99	120	132	136	153	153	
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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Lab: IIT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 10 GAUSS												
TOTAL 11			UNCENSORED DEATHS 13				CENSORED DEATHS 0			TERMINAL 17		
UNCENSORED DEATH DAYS												
78	89	92	96	96	97	99	103	111	120	121	124	148
CENSORED DEATH DAYS												
none												

DOSE = 10 GAUSSINTER												
TOTAL 11			UNCENSORED DEATHS 12				CENSORED DEATHS 0			TERMINAL 18		
UNCENSORED DEATH DAYS												
36	83	90	93	94	98	99	120	132	136	153	153	
CENSORED DEATH DAYS												
none												

- (A) FIRST TERMINAL SACRIFICE
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Lab: IIT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	17	34	51	68	85	102	119	136	153	162(A)
SHAM CONTROL	100.0	100.0	100.0	100.0	94.7	78.9	73.7	52.6	47.4	47.4
SHAM CONTROL	100.0	100.0	100.0	100.0	90.9	63.6	54.5	18.2	9.1	9.1
0.02 GAUSS	100.0	94.7	84.2	84.2	84.2	63.2	52.6	52.6	36.8	36.8
0.02 GAUSS	100.0	90.9	72.7	72.7	72.7	36.4	18.2	18.2	0.0	0.0
2 GAUSS	100.0	100.0	100.0	100.0	94.7	78.9	73.7	57.9	57.9	57.9
2 GAUSS	100.0	100.0	100.0	100.0	90.9	63.6	54.5	27.3	27.3	27.3
10 GAUSS	100.0	100.0	100.0	100.0	94.7	63.2	52.6	36.8	31.6	31.6
10 GAUSSINTER	100.0	100.0	94.7	94.7	89.5	63.2	63.2	47.4	36.8	36.8
10 GAUSS	100.0	100.0	100.0	100.0	90.9	36.4	18.2	0.0	0.0	0.0
10 GAUSSINTER	100.0	100.0	90.9	90.9	81.8	36.4	36.4	9.1	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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

Female MOUSE
 FIRST TERMINAL SACRIFICE AT 162 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	SHAM CONTROL	SHAM CONTROL	0.02 GAUSS	0.02 GAUSS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	47.4%	9.1%	36.8%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.292	----	P=0.691	P=0.691
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	111.1 (6.3)	111.1 (6.3)	93.7 (11.6)	93.7 (11.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	145.0 (4.9)	145.0 (4.9)	134.7 (7.7)	134.7 (7.7)

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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2 GAUSS	2 GAUSS	10 GAUSS	10 GAUSS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	57.9%	27.3%	31.6%	36.8%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.877N	P=0.877N	P=0.498	P=0.761
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	104.0 (6.4)	104.0 (6.4)	105.7 (5.2)	107.3 (9.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	146.0 (5.2)	146.0 (5.2)	137.6 (5.6)	140.1 (6.2)

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Lab: IIT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 162 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	10 GAUSS	10 GAUSSINTER
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.498	P=0.761
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	105.7 (5.2)	107.3 (9.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	137.6 (5.6)	140.1 (6.2)

(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: 89029-03

Test Type: 150-DAY

Route: MAGNETIC FIELDS

Species/Strain: Mouse/PIM

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Magnetic fields (EMF)

CAS Number: MAGNETIC

Date Report Requested: 10/20/2014

Time Report Requested: 19:44:24

First Dose M/F: NA / NA

Lab: IIT

**** 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

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