

Experiment Number: 89029-04
Test Type: 150-DAY
Route: MAGNETIC FIELDS
Species/Strain: Mouse/P53(C57BL/6)

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

Date Report Requested: 10/20/2014
Time Report Requested: 19:54:21
First Dose M/F: NA / NA
Lab: IIT

C Number: C89029B
Lock Date: 01/03/1995
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

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Lab: IIT

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

| | | | |
|------------------------------|---------------------|-------------------|-------------|
| DOSE = SHAM CONTROL | | | |
| TOTAL 10 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 30 |
| UNCENSORED DEATH DAYS | | | |
| none | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = SHAM CONTROL | | | |
| TOTAL 20 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 30 |
| UNCENSORED DEATH DAYS | | | |
| none | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = 10 GAUSS | | | |
| TOTAL 10 | UNCENSORED DEATHS 1 | CENSORED DEATHS 0 | TERMINAL 29 |
| UNCENSORED DEATH DAYS | | | |
| 139 | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = 10 GAUSS | | | |
| TOTAL 20 | UNCENSORED DEATHS 1 | CENSORED DEATHS 0 | TERMINAL 29 |
| UNCENSORED DEATH DAYS | | | |
| 139 | | | |
| 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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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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| SHAM CONTROL | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 GAUSS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 90.0 | 90.0 |
| 10 GAUSS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.0 | 95.0 |

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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 | 10 GAUSS | 10 GAUSS |
|---|--------------|--------------|----------|----------|
| SURVIVAL AT END OF STUDY (KAPLAN-MEIER) | 100.0% | 100.0% | 90.0% | 95.0% |
| SIGNIFICANCE (B) (LIFE TABLE) | P=0.478 | ----- | P=1.000 | P=1.000 |
| MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR) | . | . | 139.0 | 139.0 |
| | (.) | (.) | (.) | (.) |
| MEAN LIFE SPAN (D) (STANDARD ERROR) | 163.0 | 163.0 | 162.2 | 162.2 |
| | (0.0) | (0.0) | (0.8) | (0.8) |

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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 = SHAM CONTROL | | | |
| TOTAL 9 | UNCENSORED DEATHS 1 | CENSORED DEATHS 0 | TERMINAL 29 |
| UNCENSORED DEATH DAYS | | | |
| 154 | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = SHAM CONTROL | | | |
| TOTAL 21 | UNCENSORED DEATHS 1 | CENSORED DEATHS 0 | TERMINAL 29 |
| UNCENSORED DEATH DAYS | | | |
| 154 | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = 10 GAUSS | | | |
| TOTAL 9 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 30 |
| UNCENSORED DEATH DAYS | | | |
| none | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |
| DOSE = 10 GAUSS | | | |
| TOTAL 21 | UNCENSORED DEATHS 0 | CENSORED DEATHS 0 | TERMINAL 30 |
| UNCENSORED DEATH DAYS | | | |
| none | | | |
| CENSORED DEATH DAYS | | | |
| none | | | |

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First Dose M/F: NA / NA
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 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 88.9 |
| SHAM CONTROL | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 95.2 |
| 10 GAUSS | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 GAUSS | 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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Lab: IIT

Female MOUSE
 FIRST TERMINAL SACRIFICE AT 162 DAYS

SURVIVAL SUMMARY STATISTICS

| DOSE | SHAM | CONTROL | SHAM | CONTROL | 10 GAUSS | 10 GAUSS |
|---|----------------|---------|----------------|---------|----------------|----------------|
| SURVIVAL AT END OF STUDY (KAPLAN-MEIER) | 88.9% | | 95.2% | | 100.0% | 100.0% |
| SIGNIFICANCE (B) (LIFE TABLE) | P=0.478N | | ----- | | P=1.000N | P=1.000N |
| MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR) | 154.0 (.) | | 154.0 (.) | | . (.) | . (.) |
| MEAN LIFE SPAN (D) (STANDARD ERROR) | 161.7 (0.3) | | 161.7 (0.3) | | 162.0 (0.0) | 162.0 (0.0) |

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**** END OF REPORT ****

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