

Experiment Number: A97370

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/21/2018

Time Report Requested: 13:14:25

**NTP Study Number:**

A97370

**Study Duration:**

4 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Equivocal

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Tissue: Blood; Sex: Male; Number of Treatments: 0; Time interval between final treatment and cell sampling: 0 h

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| Dose (mg/kg)                 | N | MN PCE/1000 | p-Value  | % PCE       |
|------------------------------|---|-------------|----------|-------------|
|                              |   | Mean ± SEM  |          | Mean ± SEM  |
| Vehicle Control <sup>1</sup> | 5 | 0.10 ± 0.10 |          | 3.90 ± 0.44 |
| 12.5                         | 5 | 0.60 ± 0.24 | 0.0294   | 3.22 ± 0.36 |
| 25.0                         | 5 | 0.90 ± 0.19 | 0.0057 * | 3.28 ± 0.43 |
| 37.5                         | 5 | 0.70 ± 0.25 | 0.0169   | 2.58 ± 0.20 |
| 50.0                         | 5 | 1.20 ± 0.46 | 0.0011 * | 2.52 ± 0.10 |
| Trend p-Value                |   | 0.0030 *    |          |             |

Trial Summary: Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 0; Time interval between final treatment and cell sampling: 0 h

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| Dose (mg/kg)                 | N | MN PCE/1000 | p-Value | % PCE        |
|------------------------------|---|-------------|---------|--------------|
|                              |   | Mean ± SEM  |         | Mean ± SEM   |
| Vehicle Control <sup>1</sup> | 5 | 0.60 ± 0.24 |         | 51.60 ± 5.46 |
| 12.5                         | 5 | 1.30 ± 0.44 | 0.0541  | 57.60 ± 4.27 |
| 25.0                         | 5 | 1.10 ± 0.19 | 0.1125  | 58.10 ± 5.05 |
| 37.5                         | 5 | 1.20 ± 0.30 | 0.0786  | 44.60 ± 6.55 |
| 50.0                         | 5 | 0.80 ± 0.30 | 0.2964  | 42.10 ± 2.21 |
| Trend p-Value                |   | 0.3820      |         |              |

Trial Summary: Equivocal

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

**\*\* END OF REPORT \*\***