

Experiment Number: G11185

Test Type: Genetic Toxicology - Micronucleus

Route: Oral gavage

Species/Strain: Rat/Sprague-Dawley

**G04: In Vivo Micronucleus Summary Data**

Test Compound: N-Ethyl-N-nitrosourea

CAS Number: 759-73-9

Date Report Requested: 05/06/2022

Time Report Requested: 15:32:44

**NTP Study Number:**

G11185

**Study Duration:**

3 day

**Study Methodology:**

Flow cytometry

**Male Study Result:**

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 3 h

| Dose (mg/kg/day)             | N | MN PCE/1000    |           | N | MN NCE/1000   |         | % PCE         |          |
|------------------------------|---|----------------|-----------|---|---------------|---------|---------------|----------|
|                              |   | Mean ± SEM     | p-Value   |   | Mean ± SEM    | p-Value | Mean ± SEM    | p-Value  |
| Vehicle Control <sup>1</sup> | 5 | 0.700 ± 0.042  |           | 5 | 0.041 ± 0.009 |         | 1.293 ± 0.096 |          |
| 10                           | 5 | 4.840 ± 2.979  | 0.0718    | 5 | 0.049 ± 0.008 | 0.2683  | 0.832 ± 0.192 | 0.0881   |
| 20                           | 5 | 3.680 ± 0.556  | 0.0280    | 5 | 0.050 ± 0.010 | 0.2752  | 0.504 ± 0.054 | 0.0102 * |
| 40                           | 5 | 11.823 ± 3.954 | < 0.001 * | 5 | 0.053 ± 0.007 | 0.2268  | 0.418 ± 0.092 | 0.0012 * |
| Trend p-Value                |   | < 0.001 *      |           |   | 0.1795        |         | < 0.001 *     |          |

Trial Summary: Positive

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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

Pairwise comparison with the vehicle control; values are significant at  $P \leq 0.025$  by Dunn's test

Concentration-related trend; significant at  $P \leq 0.025$  by Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: Saline

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