

Experiment Number: A52310

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 1,6-Hexanediamine dihydrochloride
CAS Number: 6055-52-3

Date Report Requested: 09/20/2018

Time Report Requested: 18:12:27

NTP Study Number:

A52310

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 10 | 1.92 ± 0.15 | |
| 16.0 | 10 | 1.81 ± 0.15 | 0.7390 |
| 50.0 | 10 | 2.19 ± 0.15 | 0.0879 |
| 160.0 | 10 | 1.78 ± 0.12 | 0.7922 |
| Trend p-Value | | 0.7770 | |

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

| MN NCE/1000 | | | |
|------------------------------|----------|-------------------|----------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 10 | 1.38 ± 0.13 | |
| 16.0 | 10 | 1.35 ± 0.19 | 0.5572 |
| 50.0 | 10 | 1.15 ± 0.07 | 0.9040 |
| 160.0 | 10 | 1.22 ± 0.11 | 0.8182 |
| Trend p-Value | | 0.8180 | |

Trial Summary: Negative

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LEGEND

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: Solvent

**** END OF REPORT ****