

Experiment Number: A50848

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Nickel subsulfide

CAS Number: 12035-72-2

Date Report Requested: 09/20/2018

Time Report Requested: 17:37:34

NTP Study Number:

A50848

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/m3) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 10 | 0.73 ± 0.09 | |
| 0.6 | 10 | 0.70 ± 0.11 | 0.5931 |
| 1.2 | 10 | 0.69 ± 0.08 | 0.6340 |
| Trend p-Value | | 0.6340 | |
| Positive Control ² | 3 | 10.72 ± 0.47 | < 0.001 * |

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/m3) | N | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 8 | 0.42 ± 0.09 | |
| 0.6 | 10 | 0.52 ± 0.09 | 0.2275 |
| 1.2 | 10 | 0.42 ± 0.09 | 0.4976 |
| Trend p-Value | | 0.5220 | |

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: Air

2: 0.2 mg/m³ Urne

**** END OF REPORT ****