

Experiment Number: 679194
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Trichloroethylene
CAS Number: 79-01-6

Date Report Requested: 09/19/2018

Time Report Requested: 19:04:07

| | |
|---------------------------|---------------|
| NTP Study Number: | 679194 |
| Study Duration: | 72 Hours |
| Study Methodology: | Slide Scoring |
| Male Study Result: | Negative |

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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|-------------------------------|---|-------------|-----------|-------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 5 | 3.30 ± 0.60 | | 3.44 ± 0.15 |
| 500.0 | 5 | 3.40 ± 0.62 | 0.4513 | 3.36 ± 0.23 |
| 1000.0 | 5 | 3.20 ± 0.25 | 0.5494 | 3.76 ± 0.37 |
| 2000.0 | 5 | 3.00 ± 0.35 | 0.6475 | 3.18 ± 0.31 |
| Trend p-Value | | 0.6780 | | |
| Positive Control ² | 5 | 9.00 ± 1.64 | < 0.001 * | 1.98 ± 0.21 |

Trial Summary: Negative

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| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|-------------------------------|---|--------------|-----------|-------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 5 | 2.40 ± 0.10 | | 3.76 ± 0.38 |
| 2000.0 | 4 | 2.25 ± 0.32 | 0.5821 | 4.30 ± 1.14 |
| 2500.0 | 5 | 3.10 ± 0.51 | 0.1723 | 2.44 ± 0.13 |
| Trend p-Value | | 0.2430 | | |
| Positive Control ² | 5 | 10.20 ± 1.85 | < 0.001 * | 2.32 ± 0.22 |

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|-------------------------------|---|-------------|-----------|--------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 5 | 2.30 ± 0.49 | | 63.40 ± 2.95 |
| 500.0 | 5 | 2.80 ± 0.54 | 0.2416 | 59.10 ± 4.45 |
| 1000.0 | 5 | 2.10 ± 0.33 | 0.6186 | 65.80 ± 1.63 |
| 2000.0 | 6 | 1.92 ± 0.47 | 0.7323 | 64.67 ± 5.24 |
| Trend p-Value | | 0.8350 | | |
| Positive Control ² | 5 | 8.60 ± 1.43 | < 0.001 * | 56.20 ± 2.84 |

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|-------------------------------|---|-------------|-----------|--------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 5 | 1.40 ± 0.24 | | 59.30 ± 2.09 |
| 2000.0 | 4 | 2.25 ± 0.43 | 0.0893 | 64.50 ± 2.21 |
| 2500.0 | 5 | 2.60 ± 0.76 | 0.0288 | 63.80 ± 1.47 |
| Trend p-Value | | 0.0280 | | |
| Positive Control ² | 5 | 4.40 ± 0.76 | < 0.001 * | 56.80 ± 2.79 |

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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****