

Experiment Number: **G1104Z**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **N,N-Dimethyl-p-toluidine**

CAS Number: **99-97-8**

Date Report Requested: **09/23/2018**

Time Report Requested: **15:10:16**

NTP Study Number:

G1104Z

Study Duration:

4 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 4 h

| Dose (mg/kg) | N | MN PCE/1000 | | N | MN NCE/1000 | | % PCE | |
|-------------------------------|---|----------------|-----------|---|---------------|-----------|---------------|----------|
| | | Mean ± SEM | p-Value | | Mean ± SEM | p-Value | Mean ± SEM | p-Value |
| Vehicle Control ¹ | 5 | 2.590 ± 0.197 | | 5 | 1.463 ± 0.024 | | 1.270 ± 0.105 | |
| 30.0 | 5 | 2.570 ± 0.189 | 0.5114 | 5 | 1.494 ± 0.028 | 0.3095 | 1.201 ± 0.073 | 0.7487 |
| 60.0 | 5 | 2.660 ± 0.217 | 0.5200 | 5 | 1.474 ± 0.024 | 0.3706 | 1.140 ± 0.148 | 0.4648 |
| 75.0 | 5 | 2.780 ± 0.535 | 0.4341 | 5 | 1.536 ± 0.038 | 0.0588 | 1.103 ± 0.125 | 0.4298 |
| Trend p-Value | | 0.3266 | | | 0.0888 | | 0.2426 | |
| Positive Control ² | 5 | 12.180 ± 0.336 | < 0.001 * | 5 | 1.691 ± 0.036 | < 0.001 * | 0.942 ± 0.044 | 0.0153 * |

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

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

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 150.0 mg/kg Ethyl Methane Sulfonate

**** END OF REPORT ****