

Experiment Number: A89285

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 09/21/2018

Time Report Requested: 09:17:18

**NTP Study Number:**

A89285

**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: 90; Time interval between final treatment and cell sampling: 24 h

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| <b>MN NCE/1000</b>           |          |                   |                |
|------------------------------|----------|-------------------|----------------|
| <b>Dose (mg/kg)</b>          | <b>N</b> | <b>Mean ± SEM</b> | <b>p-Value</b> |
| Vehicle Control <sup>1</sup> | 9        | 1.66 ± 0.18       |                |
| 0.313                        | 8        | 1.32 ± 0.11       | 0.9761         |
| 0.625                        | 9        | 1.23 ± 0.08       | 0.9966         |
| 1.25                         | 9        | 1.44 ± 0.15       | 0.9122         |
| 2.5                          | 8        | 1.51 ± 0.12       | 0.8172         |
| 5.0                          | 8        | 1.72 ± 0.11       | 0.3730         |
| Trend p-Value                |          | 0.0240 *          |                |

Trial Summary: Negative

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| <b>MN NCE/1000</b>           |          |                   |                |
|------------------------------|----------|-------------------|----------------|
| <b>Dose (mg/kg)</b>          | <b>N</b> | <b>Mean ± SEM</b> | <b>p-Value</b> |
| Vehicle Control <sup>1</sup> | 7        | 1.02 ± 0.09       |                |
| 0.313                        | 7        | 0.93 ± 0.09       | 0.7364         |
| 0.625                        | 9        | 0.98 ± 0.06       | 0.6037         |
| 1.25                         | 9        | 0.97 ± 0.06       | 0.6275         |
| 2.5                          | 8        | 0.98 ± 0.06       | 0.5963         |
| 5.0                          | 8        | 1.28 ± 0.10       | 0.0470         |
| Trend p-Value                |          | 0.0090 *          |                |

Trial Summary: Negative

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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

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 \*\***