

Experiment Number: A63179  
Test Type: Genetic Toxicology - Micronucleus  
Route: Gavage  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Methacrylonitrile  
CAS Number: 126-98-7

Date Report Requested: 09/20/2018  
Time Report Requested: 22:52:21

|                             |               |
|-----------------------------|---------------|
| <b>NTP Study Number:</b>    | A63179        |
| <b>Study Duration:</b>      | 13 Weeks      |
| <b>Study Methodology:</b>   | Slide Scoring |
| <b>Male Study Result:</b>   | Negative      |
| <b>Female Study Result:</b> | Negative      |

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Tissue: Blood; Sex: Male; Number of Treatments: 65; 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> | 10       | 0.45 ± 0.16       |                |
| 0.75                         | 10       | 0.50 ± 0.17       | 0.4093         |
| 1.5                          | 10       | 0.60 ± 0.12       | 0.2563         |
| 3.0                          | 10       | 0.70 ± 0.13       | 0.1485         |
| 6.0                          | 10       | 0.55 ± 0.12       | 0.3273         |
| 12.0                         | 10       | 0.60 ± 0.18       | 0.2563         |
| Trend p-Value                |          | 0.3400            |                |

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

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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> | 10       | 0.55 ± 0.19       |                |
| 0.75                         | 10       | 0.50 ± 0.07       | 0.5864         |
| 1.5                          | 10       | 0.35 ± 0.11       | 0.8272         |
| 3.0                          | 10       | 0.40 ± 0.16       | 0.7544         |
| 6.0                          | 10       | 0.35 ± 0.17       | 0.8272         |
| 12.0                         | 8        | 0.31 ± 0.09       | 0.8560         |
| Trend p-Value                |          | 0.8550            |                |

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: Water

**\*\* END OF REPORT \*\***