

Experiment Number: **695078**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Cytarabine hydrochloride**
CAS Number: **69-74-9**

Date Report Requested: **09/19/2018**
Time Report Requested: **19:16:07**

| | |
|---------------------------|---------------|
| NTP Study Number: | 695078 |
| Study Duration: | 72 Hours |
| Study Methodology: | Slide Scoring |
| Male Study Result: | Positive |

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

| | | MN PCE/1000 | | % PCE |
|-------------------------------|---|--------------|-----------|--------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value | Mean ± SEM |
| Vehicle Control ¹ | 5 | 1.80 ± 0.62 | | 57.70 ± 1.91 |
| 40.0 | 5 | 21.10 ± 1.91 | < 0.001 * | 57.00 ± 2.13 |
| 80.0 | 5 | 27.80 ± 0.75 | < 0.001 * | 53.50 ± 1.40 |
| 160.0 | 5 | 29.50 ± 2.32 | < 0.001 * | 42.30 ± 3.59 |
| Trend p-Value | | < 0.001 * | | |
| Positive Control ² | 4 | 2.88 ± 0.43 | 0.0664 | 60.25 ± 2.24 |
| Trial Summary: Positive | | | | |

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| | | MN PCE/1000 | | % PCE |
|-------------------------------|---|--------------|-----------|--------------|
| Dose (mg/kg) | N | Mean ± SEM | p-Value | Mean ± SEM |
| Vehicle Control ¹ | 5 | 2.00 ± 0.16 | | 58.30 ± 2.19 |
| 40.0 | 5 | 18.70 ± 1.95 | < 0.001 * | 53.60 ± 1.13 |
| 80.0 | 5 | 31.60 ± 2.60 | < 0.001 * | 48.30 ± 3.33 |
| 160.0 | 5 | 36.80 ± 3.18 | < 0.001 * | 49.20 ± 1.07 |
| Trend p-Value | | < 0.001 * | | |
| Positive Control ³ | 4 | 4.13 ± 0.66 | 0.0045 * | 57.13 ± 2.10 |
| Trial Summary: Positive | | | | |

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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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

3: 0.6 mg/kg Mitomycin-C

**** END OF REPORT ****