

Experiment Number: A57325
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Ethyl cyanoacrylate
CAS Number: 7085-85-0

Date Report Requested: 09/20/2018
Time Report Requested: 20:25:43

| | |
|---------------------------|---------------|
| NTP Study Number: | A57325 |
| Study Duration: | 96 Hours |
| Study Methodology: | Slide Scoring |
| Male Study Result: | Negative |

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|------------------------------|---|-------------|---------|--------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 4 | 0.88 ± 0.13 | | 46.00 ± 2.65 |
| 312.5 | 2 | 0.25 ± 0.25 | 0.8944 | 45.50 ± 4.00 |
| 625.0 | 3 | 0.83 ± 0.17 | 0.5332 | 31.67 ± 5.73 |
| 1250.0 | 3 | 1.17 ± 0.33 | 0.2945 | 35.33 ± 4.28 |
| 2500.0 | 3 | 0.33 ± 0.17 | 0.8946 | 24.83 ± 4.97 |
| Trend p-Value | | 0.7590 | | |

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 | 4 | 0.88 ± 0.13 | | 35.75 ± 10.42 |
| 625.0 | 3 | 1.83 ± 0.73 | 0.0587 | 34.50 ± 6.66 |
| 1250.0 | 5 | 0.70 ± 0.20 | 0.6622 | 46.60 ± 5.18 |
| 2500.0 | 5 | 0.80 ± 0.34 | 0.5688 | 47.10 ± 4.07 |
| Trend p-Value | | 0.7920 | | |
| Positive Control ² | 4 | 15.63 ± 2.21 | < 0.001 * | 4.63 ± 1.28 |

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****