

Experiment Number: A48053
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 17beta-Estradiol
CAS Number: 50-28-2

Date Report Requested: 09/20/2018

Time Report Requested: 16:01:50

NTP Study Number: A48053
Study Duration: 72 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: 24 h

| | | MN PCE/1000 | | % PCE | |
|-------------------------------|---|-------------|-----------|--------------|--|
| Dose (mg/kg) | N | Mean ± SEM | p-Value | Mean ± SEM | |
| Vehicle Control ¹ | 5 | 1.40 ± 0.46 | | 59.40 ± 3.05 | |
| 312.5 | 5 | 1.30 ± 0.58 | 0.5543 | 55.70 ± 1.68 | |
| 625.0 | 5 | 1.40 ± 0.62 | 0.5000 | 55.10 ± 1.27 | |
| 1250.0 | 5 | 1.30 ± 0.37 | 0.5543 | 48.10 ± 2.90 | |
| Trend p-Value | | 0.5390 | | | |
| Positive Control ² | 5 | 7.90 ± 1.32 | < 0.001 * | 59.70 ± 3.46 | |

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 ****