

Experiment Number: 666998  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: C.I. Solvent Yellow 14  
CAS Number: 842-07-9

Date Report Requested: 09/19/2018

Time Report Requested: 18:53:58

|                           |               |
|---------------------------|---------------|
| <b>NTP Study Number:</b>  | 666998        |
| <b>Study Duration:</b>    | 72 Hours      |
| <b>Study Methodology:</b> | Slide Scoring |
| <b>Male Study Result:</b> | Equivocal     |

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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 <sup>1</sup>  | 5 | 2.80 ± 0.25 |           | 48.20 ± 3.05 |
| 250.0                         | 5 | 2.70 ± 0.37 | 0.5537    | 56.10 ± 3.72 |
| 500.0                         | 5 | 5.50 ± 1.08 | 0.0015 *  | 41.70 ± 4.12 |
| 1000.0                        | 3 | 5.17 ± 1.30 | 0.0084    | 42.17 ± 3.53 |
| Trend p-Value                 |   | 0.0010 *    |           |              |
| Positive Control <sup>2</sup> | 5 | 6.80 ± 1.14 | < 0.001 * | 37.70 ± 2.34 |

Trial Summary: Equivocal

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| Dose (mg/kg)                  | N | MN PCE/1000 | p-Value   | % PCE        |
|-------------------------------|---|-------------|-----------|--------------|
|                               |   | Mean ± SEM  |           | Mean ± SEM   |
| Vehicle Control <sup>1</sup>  | 5 | 2.70 ± 0.30 |           | 53.80 ± 2.72 |
| 250.0                         | 5 | 2.30 ± 0.60 | 0.7144    | 51.60 ± 3.44 |
| 500.0                         | 5 | 2.30 ± 0.51 | 0.7144    | 39.80 ± 4.23 |
| 750.0                         | 5 | 3.90 ± 0.70 | 0.0695    | 27.70 ± 2.91 |
| Trend p-Value                 |   | 0.0640      |           |              |
| Positive Control <sup>2</sup> | 5 | 6.20 ± 1.12 | < 0.001 * | 34.10 ± 2.18 |

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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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

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