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

NTP Study Number: A48053
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative
**Experiment Number:** A48053  
**Test Type:** Genetic Toxicology - Micronucleus  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Mouse/B6C3F1

<table>
<thead>
<tr>
<th>Dose (mg/kg)</th>
<th>N</th>
<th>MN PCE/1000 Mean ± SEM</th>
<th>p-Value</th>
<th>% PCE Mean ± SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Control</td>
<td>5</td>
<td>1.40 ± 0.46</td>
<td>0.5543</td>
<td>59.40 ± 3.05</td>
</tr>
<tr>
<td>312.5</td>
<td>5</td>
<td>1.30 ± 0.58</td>
<td>0.5000</td>
<td>55.70 ± 1.68</td>
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<tr>
<td>625.0</td>
<td>5</td>
<td>1.40 ± 0.62</td>
<td>0.5543</td>
<td>55.10 ± 1.27</td>
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<tr>
<td>1250.0</td>
<td>5</td>
<td>1.30 ± 0.37</td>
<td>0.5543</td>
<td>48.10 ± 2.90</td>
</tr>
</tbody>
</table>

Trend p-Value: 0.5390

Positive Control | 5 | 7.90 ± 1.32 | < 0.001 * | 59.70 ± 3.46 |

**Trial Summary:** Negative
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 ± 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/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 **