Experiment Number: A27137
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 4-Hexylresorcinol
CAS Number: 136-77-6

NTP Study Number: A27137
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Positive
<table>
<thead>
<tr>
<th>Dose (mg/kg)</th>
<th>N</th>
<th>Mean ± SEM</th>
<th>p-Value</th>
<th>Mean ± SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Control</td>
<td>5</td>
<td>1.20 ± 0.20</td>
<td>0.0314</td>
<td>53.90 ± 5.43</td>
</tr>
<tr>
<td>21.875</td>
<td>5</td>
<td>2.30 ± 0.58</td>
<td>0.0057 *</td>
<td>60.40 ± 3.16</td>
</tr>
<tr>
<td>43.75</td>
<td>5</td>
<td>2.80 ± 0.49</td>
<td>0.0227</td>
<td>63.80 ± 2.43</td>
</tr>
<tr>
<td>87.5</td>
<td>5</td>
<td>2.40 ± 0.43</td>
<td>0.4086</td>
<td>58.20 ± 2.19</td>
</tr>
<tr>
<td>175.0</td>
<td>3</td>
<td>1.33 ± 0.44</td>
<td>0.5760</td>
<td>52.00 ± 0.50</td>
</tr>
</tbody>
</table>

Trend p-Value

Positive Control | 5  | 13.40 ± 2.51 | < 0.001 * | 59.90 ± 4.23 |

Trial Summary: Positive
### G04: In Vivo Micronucleus Summary Data

**Test Compound:** 4-Hexylresorcinol  
**CAS Number:** 136-77-6

**Experiment Number:** A27137  
**Test Type:** Genetic Toxicology - Micronucleus  
**Route:** Intraperitoneal Injection  
**Species/Strain:** Mouse/B6C3F1  
**Date Report Requested:** 09/20/2018  
**Time Report Requested:** 07:25:13

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

<table>
<thead>
<tr>
<th>Dose (mg/kg)</th>
<th>N</th>
<th>MN PCE/1000</th>
<th>% PCE</th>
<th>p-Value</th>
<th>Trend p-Value</th>
<th>Mean ± SEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle Control</td>
<td>5</td>
<td>0.80 ± 0.41</td>
<td>57.00 ± 5.45</td>
<td>0.3186</td>
<td>0.4810</td>
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<tr>
<td>21.875</td>
<td>5</td>
<td>1.00 ± 0.35</td>
<td>48.60 ± 4.60</td>
<td>0.0015 *</td>
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</tr>
<tr>
<td>43.75</td>
<td>5</td>
<td>2.50 ± 0.69</td>
<td>59.80 ± 4.12</td>
<td>&lt; 0.001 *</td>
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</tr>
<tr>
<td>87.5</td>
<td>5</td>
<td>0.70 ± 0.20</td>
<td>47.10 ± 6.98</td>
<td>0.6019</td>
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</tr>
</tbody>
</table>

**Trial Summary:** Positive
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 **