NTP Study Number: A56933
Study Duration: 6 Weeks
Study Methodology: Slide Scoring
Female Study Result: Negative
## G04: In Vivo Micronucleus Summary Data

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

### Experiment Number: A56933  
**Test Type:** Genetic Toxicology - Micronucleus  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

<table>
<thead>
<tr>
<th>Dose (mg/kg)</th>
<th>MN PCE/1000</th>
<th>MN NCE/1000</th>
<th>% PCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>Mean ± SEM</td>
<td>p-Value</td>
</tr>
<tr>
<td>Vehicle Control</td>
<td>10</td>
<td>2.20 ± 0.47</td>
<td></td>
</tr>
<tr>
<td>20.0</td>
<td>10</td>
<td>2.40 ± 0.52</td>
<td>0.3839</td>
</tr>
</tbody>
</table>

**Trend p-Value**  
0.3840

**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 $p = 0.025/\text{number of treatment groups}$; 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: Solvent

** END OF REPORT **