Experiment Number: **A69991**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Acrylonitrile**
CAS Number: **107-13-1**

Date Report Requested: **09/21/2018**
Time Report Requested: **01:15:27**

NTP Study Number:	A69991
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A69991**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Acrylonitrile**

CAS Number: **107-13-1**

Date Report Requested: **09/21/2018**

Time Report Requested: **01:15:27**

Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	9	0.89 ± 0.29	
5.0	10	0.70 ± 0.15	0.7436
10.0	10	0.95 ± 0.22	0.4223
20.0	10	0.55 ± 0.20	0.8921
40.0	1	3.00 ± 0.00	< 0.001 *
Trend p-Value		0.8480	

Trial Summary: Negative

Experiment Number: **A69991**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Acrylonitrile**

CAS Number: **107-13-1**

Date Report Requested: **09/21/2018**

Time Report Requested: **01:15:27**

Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	10	0.50 ± 0.17	
5.0	10	0.80 ± 0.20	0.1196
10.0	10	1.00 ± 0.24	0.0339
20.0	10	0.70 ± 0.19	0.2070
40.0	7	1.07 ± 0.17	0.0279
Trend p-Value		0.0850	

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: Water

** END OF REPORT **