Experiment Number: **A48805**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Benzonitrile**
CAS Number: **100-47-0**

Date Report Requested: **09/20/2018**
Time Report Requested: **16:20:22**

NTP Study Number:	A48805
Study Duration:	90 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A48805**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Benzonitrile**
CAS Number: **100-47-0**

Date Report Requested: **09/20/2018**
Time Report Requested: **16:20:22**

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]	10	1.59 ± 0.09	
37.5	10	1.51 ± 0.07	0.6645
75.0	9	1.25 ± 0.11	0.9549
150.0	10	1.27 ± 0.13	0.9483
300.0	9	1.50 ± 0.22	0.6764
600.0	10	1.59 ± 0.16	0.4990
Trend p-Value		0.2210	

Trial Summary: Negative

Experiment Number: **A48805**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Benzonitrile**

CAS Number: **100-47-0**

Date Report Requested: **09/20/2018**

Time Report Requested: **16:20:22**

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	1.09 ± 0.13	
37.5	8	1.25 ± 0.10	0.2243
75.0	7	0.84 ± 0.13	0.9003
150.0	8	1.19 ± 0.19	0.3166
300.0	8	1.07 ± 0.16	0.5486
600.0	8	1.25 ± 0.18	0.2304
Trend p-Value		0.2310	

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: Solvent

** END OF REPORT **