Experiment Number: **A55749**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Nitromethane**
CAS Number: **75-52-5**

Date Report Requested: **09/20/2018**
Time Report Requested: **19:30:04**

NTP Study Number:	A55749
Study Duration:	90 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A55749**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Nitromethane**

CAS Number: **75-52-5**

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

Time Report Requested: **19:30:04**

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

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	10	0.52 ± 0.08	
94.0	10	0.80 ± 0.08	0.0064
188.0	10	0.61 ± 0.06	0.1978
375.0	10	0.67 ± 0.11	0.0753
750.0	10	0.64 ± 0.08	0.1254
1500.0	10	0.70 ± 0.07	0.0487
Trend p-Value		0.2730	
Positive Control[2]	3	3.27 ± 0.53	< 0.001 *

Trial Summary: Negative

Experiment Number: **A55749**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Nitromethane**

CAS Number: **75-52-5**

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

Time Report Requested: **19:30:04**

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

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	10	0.55 ± 0.07	
94.0	10	0.37 ± 0.06	0.9738
188.0	10	0.40 ± 0.07	0.9341
375.0	10	0.39 ± 0.03	0.9486
750.0	10	0.55 ± 0.06	0.4960
1500.0	10	0.49 ± 0.06	0.7112
Trend p-Value		0.1860	

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: Air
2: 0.2 ppm Urne

** END OF REPORT **