Experiment Number: **A04540**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Propylene glycol mono-t-butyl ether**
CAS Number: **57018-52-7**

Date Report Requested: **09/19/2018**
Time Report Requested: **23:32:59**

NTP Study Number:	A04540
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Weakly Positive

Experiment Number: **A04540**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Propylene glycol mono-t-butyl ether**

CAS Number: **57018-52-7**

Date Report Requested: **09/19/2018**

Time Report Requested: **23:32:59**

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	1.05 ± 0.23	
75.0	10	0.95 ± 0.17	0.6241
150.0	10	1.25 ± 0.20	0.2776
300.0	10	1.00 ± 0.17	0.5621
600.0	10	0.55 ± 0.17	0.9615
1200.0	10	1.10 ± 0.15	0.4394
Trend p-Value		0.6360	

Trial Summary: Negative

Experiment Number: **A04540**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Propylene glycol mono-t-butyl ether**
CAS Number: **57018-52-7**

Date Report Requested: **09/19/2018**
Time Report Requested: **23:32:59**

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	0.70 ± 0.15	
75.0	10	0.95 ± 0.20	0.1919
150.0	10	0.75 ± 0.20	0.4263
300.0	10	0.60 ± 0.18	0.6526
600.0	10	1.00 ± 0.15	0.1516
1200.0	10	1.25 ± 0.17	0.0390
Trend p-Value		0.0210 *	

Trial Summary: Weakly 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: Air

** END OF REPORT **