Experiment Number: **A92090**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Methyl-t-butyl ether**
CAS Number: **1634-04-4**

Date Report Requested: **09/21/2018**
Time Report Requested: **10:50:08**

NTP Study Number:	A92090
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **A92090**

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Route: **Intraperitoneal Injection**

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Time Report Requested: **10:50:08**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	0.40 ± 0.19		63.00 ± 2.89
18.75	5	1.50 ± 0.52	0.0058	47.30 ± 7.17
37.5	5	0.90 ± 0.24	0.0827	61.10 ± 2.82
75.0	5	1.30 ± 0.34	0.0145	43.90 ± 3.52
150.0	5	1.00 ± 0.32	0.0543	52.80 ± 3.45
300.0	5	0.50 ± 0.22	0.3694	52.20 ± 4.59
600.0	5	0.80 ± 0.30	0.1240	64.30 ± 3.88
Trend p-Value		0.8100		
Positive Control[2]	5	27.00 ± 4.48	< 0.001 *	30.90 ± 4.26

Trial Summary: Negative

Experiment Number: **A92090**

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.30 ± 0.12		48.20 ± 1.71
312.5	5	2.20 ± 0.80	0.0639	52.10 ± 3.26
626.0	5	0.90 ± 0.46	0.8032	55.50 ± 5.74
1250.0	5	0.90 ± 0.33	0.8032	43.80 ± 8.12
2500.0	5	1.10 ± 0.19	0.6585	40.60 ± 7.16
Trend p-Value		0.8920		
Positive Control[2]	5	8.50 ± 1.90	< 0.001 *	44.70 ± 2.72

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: Corn Oil
2: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **