Experiment Number: **A84681**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Ethyl methanesulfonate**
CAS Number: **62-50-0**

Date Report Requested: **09/21/2018**
Time Report Requested: **07:24:50**

NTP Study Number:	A84681
Study Duration:	4 Days
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **A84681**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Ethyl methanesulfonate**
CAS Number: **62-50-0**

Date Report Requested: **09/21/2018**
Time Report Requested: **07:24:50**

Tissue: Blood; 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	3.20 ± 0.58		2.80 ± 0.22
50.0	5	4.00 ± 0.42	0.2481	2.68 ± 0.22
100.0	5	9.40 ± 2.18	< 0.001 *	2.00 ± 0.30
200.0	5	16.70 ± 2.08	< 0.001 *	1.18 ± 0.14
300.0	5	33.10 ± 1.09	< 0.001 *	0.54 ± 0.08
Trend p-Value		< 0.001 *		

Trial Summary: Positive

Experiment Number: **A84681**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Ethyl methanesulfonate**
CAS Number: **62-50-0**

Date Report Requested: **09/21/2018**
Time Report Requested: **07:24:50**

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/g)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.40 ± 0.43		66.80 ± 2.87
50.0	5	4.60 ± 0.73	0.0702	63.70 ± 3.37
100.0	5	12.60 ± 1.56	< 0.001 *	61.00 ± 3.30
200.0	5	23.77 ± 1.36	< 0.001 *	41.90 ± 7.32
300.0	5	40.20 ± 6.59	< 0.001 *	24.00 ± 3.63
Trend p-Value		< 0.001 *		

Trial Summary: 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: Phosphate Buffered Saline

** END OF REPORT **