Experiment Number: **F84681**
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: **09/23/2018**
Time Report Requested: **10:09:14**

NTP Study Number:	F84681
Study Duration:	4 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Positive

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Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

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Tissue: Blood; Sex: Male; Number of Treatments: 0; Time interval between final treatment and cell sampling: 0 h

		MN PCE/1000			MN NCE/1000		% PCE	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	2.680 ± 0.235		5	1.518 ± 0.039		1.973 ± 0.123	
50.0	5	3.660 ± 0.161	0.3130	5	1.555 ± 0.027	0.2466	1.899 ± 0.154	0.7228
100.0	5	9.050 ± 0.882	0.0023 *	5	1.632 ± 0.018	0.0258	1.580 ± 0.040	0.1121
200.0	5	17.480 ± 2.165	< 0.001 *	5	1.909 ± 0.037	< 0.001 *	0.589 ± 0.048	< 0.001 *
300.0	5	40.580 ± 2.080	< 0.001 *	5	1.907 ± 0.057	< 0.001 *	0.314 ± 0.040	< 0.001 *
Trend p-Value		< 0.001 *			< 0.001 *		< 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
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Phosphate Buffered Saline

** END OF REPORT **