Experiment Number: **G625489**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Nitroethanol**
CAS Number: **625-48-9**

Date Report Requested: **09/23/2018**
Time Report Requested: **16:08:46**

NTP Study Number:	G625489
Study Duration:	4 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Equivocal

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Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

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G04: In Vivo Micronucleus Summary Data

Test Compound: **2-Nitroethanol**

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Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 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	3.140 ± 0.436		5	1.556 ± 0.046		1.254 ± 0.033	
250.0	5	2.620 ± 0.274	1.0000	5	1.467 ± 0.041	0.7980	1.614 ± 0.070	1.0000
500.0	5	3.050 ± 0.227	1.0000	5	1.535 ± 0.032	0.7372	1.469 ± 0.050	1.0000
1000.0	5	5.877 ± 1.418	0.1382	5	1.569 ± 0.024	0.5043	0.384 ± 0.115	< 0.001 *
Trend p-Value		0.0321			0.2165		< 0.001 *	
Positive Control[2]	5	10.245 ± 0.702	0.0044 *	5	1.864 ± 0.056	0.0015 *	1.147 ± 0.088	0.4647

Trial Summary: Equivocal

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: Saline
2: 150.0 mg/kg Ethyl Methane Sulfonate

** END OF REPORT **