

Experiment Number: **G04093B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Rat/Wistar Han**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Metal Working Fluids: TRIM VX**

CAS Number: **TRIMVX**

Date Report Requested: **09/23/2018**

Time Report Requested: **11:51:14**

NTP Study Number:

G04093B

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.810 ± 0.078		5	0.208 ± 0.068		0.775 ± 0.109	
25.0	5	0.950 ± 0.076	0.4911	5	0.111 ± 0.026	1.0000	0.661 ± 0.036	1.0000
50.0	5	0.790 ± 0.112	0.5717	5	0.136 ± 0.024	1.0000	0.817 ± 0.116	0.8231
100.0	5	0.740 ± 0.142	0.6049	5	0.125 ± 0.008	1.0000	0.993 ± 0.119	0.1055
200.0	5	0.775 ± 0.096	0.6246	5	0.193 ± 0.018	0.9229	1.047 ± 0.049	0.0469
400.0	5	0.840 ± 0.087	0.5534	5	0.334 ± 0.114	0.9716	1.014 ± 0.080	0.0476
Trend p-Value		0.5628			0.0309		0.0073 *	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.880 ± 0.194		5	0.063 ± 0.011		0.851 ± 0.048	
25.0	5	0.728 ± 0.146	0.8086	5	0.048 ± 0.010	0.7388	1.033 ± 0.055	0.6569
50.0	5	0.745 ± 0.069	0.8804	5	0.065 ± 0.012	0.8205	0.924 ± 0.075	1.0000
100.0	5	0.770 ± 0.152	0.9046	5	0.047 ± 0.009	0.8510	1.154 ± 0.126	0.2410
200.0	5	0.720 ± 0.090	0.9150	5	0.052 ± 0.018	0.8644	0.975 ± 0.176	1.0000
400.0	5	0.470 ± 0.058	0.9236	5	0.037 ± 0.009	0.8750	1.182 ± 0.081	0.1297
Trend p-Value		0.9848			0.9315		0.0850	

Trial Summary: Negative

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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 \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Air

**** END OF REPORT ****