

Experiment Number: **G04093**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

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: **11:46:28**

NTP Study Number:

G04093

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	2.460 ± 0.139		5	1.412 ± 0.037		1.473 ± 0.035	
25.0	5	2.280 ± 0.197	0.7182	5	1.378 ± 0.032	0.6865	1.673 ± 0.070	0.4960
50.0	5	2.300 ± 0.162	0.8021	5	1.395 ± 0.025	0.7720	1.626 ± 0.068	0.5939
100.0	5	2.220 ± 0.198	0.8338	5	1.391 ± 0.036	0.8051	1.522 ± 0.033	0.6357
200.0	5	2.480 ± 0.197	0.7655	5	1.387 ± 0.028	0.8209	1.453 ± 0.063	0.6548
400.0	5	2.280 ± 0.145	0.7783	5	1.373 ± 0.038	0.8337	1.404 ± 0.066	0.4638
Trend p-Value		0.5621			0.7457		0.0117 *	

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	2.210 ± 0.174		5	1.103 ± 0.039		1.281 ± 0.136	
25.0	5	2.040 ± 0.153	0.8089	5	1.052 ± 0.033	0.9386	1.424 ± 0.084	0.6334
50.0	5	1.710 ± 0.135	0.8806	5	0.986 ± 0.037	0.9717	1.275 ± 0.076	0.7528
100.0	5	2.130 ± 0.252	0.9048	5	1.064 ± 0.023	0.9802	1.401 ± 0.079	0.5888
200.0	5	1.830 ± 0.107	0.9152	5	1.010 ± 0.027	0.9844	1.468 ± 0.213	0.6064
400.0	5	2.010 ± 0.215	0.9056	5	0.970 ± 0.030	0.9868	1.817 ± 0.064	0.0150 *
Trend p-Value		0.6347			0.9883		0.0071 *	

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 ****