

Experiment Number: F26791

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Metal working fluids (Trim SC210)

CAS Number: TRIMSC210

Date Report Requested: 09/21/2018

Time Report Requested: 15:39:14

NTP Study Number:

F26791

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	2.360 ± 0.130		5	1.398 ± 0.045		1.555 ± 0.061	
25.0	5	2.580 ± 0.130	1.0000	5	1.455 ± 0.051	0.6982	1.983 ± 0.407	1.0000
50.0	5	2.260 ± 0.261	1.0000	5	1.330 ± 0.039	0.7824	1.401 ± 0.051	0.5300
100.0	5	2.163 ± 0.073	1.0000	5	1.361 ± 0.032	0.8154	1.549 ± 0.097	1.0000
200.0	5	2.310 ± 0.191	1.0000	5	1.352 ± 0.035	0.8305	1.463 ± 0.031	1.0000
400.0	5	2.180 ± 0.294	1.0000	5	1.300 ± 0.050	0.8436	1.531 ± 0.037	1.0000
Trend p-Value		0.8700			0.9743		0.9855	

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	1.800 ± 0.133		5	0.988 ± 0.014		1.279 ± 0.090	
25.0	5	1.940 ± 0.098	0.2599	5	1.026 ± 0.022	0.4986	1.397 ± 0.164	0.5612
50.0	5	2.110 ± 0.104	0.2064	5	1.050 ± 0.018	0.5800	1.542 ± 0.071	0.2718
100.0	5	1.920 ± 0.203	0.2216	5	0.976 ± 0.052	0.6130	1.473 ± 0.083	0.2919
200.0	5	1.990 ± 0.144	0.2282	5	0.954 ± 0.024	0.6331	1.421 ± 0.107	0.2991
400.0	5	2.050 ± 0.194	0.1711	5	0.937 ± 0.039	0.6453	1.657 ± 0.195	0.0682
Trend p-Value		0.2195			0.9878		0.1071	

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 ****