

Experiment Number: **G04098B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Metal working fluids (Syntilo 1023)**

CAS Number: **SYNTHILO1023**

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

Time Report Requested: **12:00:57**

**NTP Study Number:**

G04098B

**Study Duration:**

13 Weeks

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Equivocal

**Female Study Result:**

Negative

Experiment Number: G04098B

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**G04: In Vivo Micronucleus Summary Data**

Test Compound: Metal working fluids (Syntilo 1023)

CAS Number: SYNTILO1023

Date Report Requested: 09/23/2018

Time Report Requested: 12:00:57

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 <sup>1</sup>	5	2.050 ± 0.153		5	1.362 ± 0.033		1.635 ± 0.047	
25.0	5	2.010 ± 0.103	0.5398	5	1.373 ± 0.029	0.4065	1.734 ± 0.037	1.0000
50.0	5	2.150 ± 0.100	0.3822	5	1.383 ± 0.035	0.4675	1.746 ± 0.106	1.0000
100.0	5	2.640 ± 0.091	0.0168 *	5	1.371 ± 0.028	0.4984	1.480 ± 0.039	0.1311
200.0	5	2.450 ± 0.206	0.0161 *	5	1.373 ± 0.033	0.5164	1.512 ± 0.031	0.1344
400.0	5	2.590 ± 0.199	0.0106 *	5	1.371 ± 0.044	0.5267	1.540 ± 0.040	0.1351
Trend p-Value		0.0040 *			0.4893		0.0312	

Trial Summary: Equivocal

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Test Compound: Metal working fluids (Syntilo 1023)

CAS Number: SYNTILO1023

Date Report Requested: 09/23/2018

Time Report Requested: 12:00:57

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 <sup>1</sup>	5	2.200 ± 0.241		5	1.056 ± 0.038		1.201 ± 0.081	
25.0	5	2.210 ± 0.306	0.6988	5	1.027 ± 0.038	0.8019	1.325 ± 0.052	0.3207
50.0	5	1.970 ± 0.137	0.7833	5	1.002 ± 0.023	0.8754	1.411 ± 0.080	0.3857
100.0	5	2.190 ± 0.328	0.8161	5	1.015 ± 0.054	0.9001	1.267 ± 0.131	0.4130
200.0	5	1.780 ± 0.169	0.8313	5	1.018 ± 0.031	0.9110	1.489 ± 0.101	0.0760
400.0	5	1.800 ± 0.155	0.8442	5	0.957 ± 0.020	0.9197	1.435 ± 0.072	0.0767
Trend p-Value		0.9403			0.9622		0.1123	

Trial Summary: Negative

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LEGEND

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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 \*\***