

Experiment Number: F07614

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Rat/Fischer 344

**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: 15:12:30

**NTP Study Number:**

F07614

**Study Duration:**

13 Weeks

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Equivocal

**Female Study Result:**

Equivocal

Experiment Number: F07614

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Rat/Fischer 344

**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: 15:12:30

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	0.500 ± 0.110		5	0.050 ± 0.006		1.306 ± 0.049	
25.0	5	0.520 ± 0.072	0.6323	5	0.091 ± 0.016	0.3061	1.356 ± 0.082	0.7704
50.0	5	0.390 ± 0.058	0.7182	5	0.103 ± 0.037	0.6259	1.308 ± 0.042	0.8895
100.0	5	0.420 ± 0.054	0.7535	5	0.048 ± 0.015	1.0000	1.382 ± 0.069	0.6157
200.0	5	0.580 ± 0.120	0.6871	5	0.147 ± 0.025	0.0269	1.348 ± 0.020	0.6336
400.0	5	0.390 ± 0.099	0.7004	5	0.185 ± 0.096	0.1310	1.399 ± 0.073	0.3937
Trend p-Value		0.6929			0.0309		0.2843	

Trial Summary: Equivocal

Experiment Number: F07614

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Rat/Fischer 344

**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: 15:12:30

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	0.367 ± 0.064		5	0.104 ± 0.013		0.988 ± 0.042	
25.0	5	0.310 ± 0.066	0.6110	5	0.173 ± 0.047	0.6649	1.095 ± 0.129	0.6451
50.0	5	0.450 ± 0.061	0.5271	5	0.147 ± 0.022	0.5623	1.233 ± 0.066	0.3569
100.0	5	0.380 ± 0.068	0.5605	5	0.076 ± 0.014	1.0000	1.148 ± 0.038	0.3823
200.0	5	0.310 ± 0.046	0.5764	5	0.133 ± 0.011	0.6649	1.254 ± 0.106	0.2621
400.0	7	0.536 ± 0.080	0.0523	7	0.226 ± 0.057	0.4044	1.724 ± 0.448	0.0169 *
Trend p-Value		0.0242 *			0.1735		0.0076 *	

Trial Summary: Equivocal

Experiment Number: F07614

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Rat/Fischer 344

**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: 15:12:30

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 \*\***