

Experiment Number: F79645

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Toluenesulfonamide

CAS Number: 70-55-3

Date Report Requested: 09/23/2018

Time Report Requested: 10:04:25

NTP Study Number:

F79645

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: 91; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	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	2.640 ± 0.183		5	1.475 ± 0.029		1.538 ± 0.053	
625.0	5	2.480 ± 0.207	0.6100	5	1.490 ± 0.032	0.3650	1.663 ± 0.040	0.1363
1250.0	5	2.840 ± 0.247	0.3212	5	1.498 ± 0.046	0.3605	1.647 ± 0.057	0.1620
2500.0	5	2.800 ± 0.135	0.3437	5	1.514 ± 0.018	0.3649	1.725 ± 0.041	0.0377
5000.0	5	2.870 ± 0.224	0.2989	5	1.506 ± 0.034	0.3782	1.710 ± 0.082	0.0376
10000.0	5	2.850 ± 0.207	0.3070	5	1.481 ± 0.025	0.3887	1.759 ± 0.049	0.0112 *
Trend p-Value		0.1503			0.5256		0.0262	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	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	1.850 ± 0.127		5	1.017 ± 0.025		1.351 ± 0.162	
625.0	5	1.770 ± 0.094	0.5748	5	1.035 ± 0.033	0.6186	1.289 ± 0.025	1.0000
1250.0	5	2.200 ± 0.183	0.3624	5	1.011 ± 0.022	0.7057	1.141 ± 0.120	1.0000
2500.0	5	1.820 ± 0.171	0.3865	5	1.012 ± 0.019	0.7404	1.471 ± 0.177	1.0000
5000.0	5	1.970 ± 0.078	0.4012	5	0.970 ± 0.025	0.7571	1.543 ± 0.059	1.0000
10000.0	5	1.860 ± 0.214	0.4121	5	0.983 ± 0.041	0.7704	1.525 ± 0.061	1.0000
Trend p-Value		0.5548			0.9273		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: Feed

**** END OF REPORT ****