

Experiment Number: **G10472B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **p-Chloro-a,a,a-trifluorotoluene**

CAS Number: **98-56-6**

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

Time Report Requested: **14:41:47**

NTP Study Number:

G10472B

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Positive

Female Study Result:

Equivocal

Experiment Number: G10472B
Test Type: Genetic Toxicology - Micronucleus
Route: Inhalation
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: p-Chloro-a,a,a-trifluorotoluene
CAS Number: 98-56-6

Date Report Requested: 09/23/2018
Time Report Requested: 14:41:47

Tissue: Blood; Sex: Male; Number of Treatments: 65; 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	2.180 ± 0.125		5	1.458 ± 0.028		1.543 ± 0.065	
125.0	5	2.310 ± 0.126	1.0000	5	1.443 ± 0.026	0.5848	1.595 ± 0.041	1.0000
250.0	5	2.460 ± 0.211	1.0000	5	1.455 ± 0.037	0.6700	1.464 ± 0.059	0.6641
500.0	5	2.210 ± 0.091	1.0000	5	1.418 ± 0.016	0.7043	1.285 ± 0.071	0.7086
1000.0	5	2.430 ± 0.161	0.8739	5	1.476 ± 0.045	0.5151	1.516 ± 0.085	0.7305
2000.0	5	2.930 ± 0.551	0.4432	5	1.799 ± 0.094	< 0.001 *	1.715 ± 0.088	0.1617
Trend p-Value		0.1050			< 0.001 *		0.0967	

Trial Summary: Positive

Experiment Number: G10472B

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 09/23/2018

Time Report Requested: 14:41:47

Tissue: Blood; Sex: Female; Number of Treatments: 65; 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	1.740 ± 0.193		5	1.073 ± 0.021		0.985 ± 0.100	
125.0	5	2.150 ± 0.221	0.2655	5	1.073 ± 0.041	0.8172	1.169 ± 0.103	0.1561
250.0	5	1.900 ± 0.198	0.3173	5	1.043 ± 0.029	0.8874	1.392 ± 0.111	0.0154 *
500.0	5	1.790 ± 0.075	0.3400	5	0.937 ± 0.033	0.9102	1.336 ± 0.162	0.0160 *
1000.0	5	1.940 ± 0.140	0.3515	5	1.039 ± 0.034	0.8880	1.395 ± 0.078	0.0072 *
2000.0	5	1.690 ± 0.160	0.3609	5	1.191 ± 0.028	0.0085 *	1.614 ± 0.090	< 0.001 *
Trend p-Value		0.8322			0.0068 *		0.0013 *	

Trial Summary: Equivocal

Experiment Number: **G10472B**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **p-Chloro-a,a,a-trifluorotoluene**
CAS Number: **98-56-6**

Date Report Requested: **09/23/2018**
Time Report Requested: **14:41:47**

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 ****