

Experiment Number: **G10472**  
Test Type: **Genetic Toxicology - Micronucleus**  
Route: **Inhalation**  
Species/Strain: **Rat/Harlan Sprague Dawley**

**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: **14:37:01**

<b>NTP Study Number:</b>	G10472
<b>Study Duration:</b>	13 Weeks
<b>Study Methodology:</b>	Flow Cytometry
<b>Male Study Result:</b>	Equivocal
<b>Female Study Result:</b>	Negative

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**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 <sup>1</sup>	5	0.520 ± 0.049		5	0.143 ± 0.024		0.916 ± 0.044	
125.0	5	0.530 ± 0.060	0.4831	5	0.141 ± 0.024	0.7538	0.838 ± 0.054	1.0000
250.0	5	0.520 ± 0.041	0.5629	5	0.098 ± 0.011	0.8340	0.945 ± 0.055	0.9999
500.0	5	0.670 ± 0.103	0.1856	5	0.113 ± 0.017	0.8632	0.902 ± 0.081	1.0000
1000.0	5	0.600 ± 0.112	0.1904	5	0.096 ± 0.018	0.8758	0.925 ± 0.048	0.9985
2000.0	5	0.707 ± 0.054	0.0585	5	0.131 ± 0.044	0.7864	1.062 ± 0.067	0.1859
Trend p-Value		0.0227 *			0.5900		0.0375	

Trial Summary: **Equivocal**

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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 <sup>1</sup>	5	0.490 ± 0.127		5	0.089 ± 0.013		0.847 ± 0.068	
125.0	5	0.600 ± 0.146	0.2167	5	0.065 ± 0.004	1.0000	0.895 ± 0.067	1.0000
250.0	5	0.770 ± 0.089	0.1872	5	0.128 ± 0.035	1.0000	1.038 ± 0.179	0.8613
500.0	5	0.620 ± 0.085	0.2014	5	0.109 ± 0.025	1.0000	1.113 ± 0.047	0.2213
1000.0	5	0.530 ± 0.058	0.2069	5	0.095 ± 0.019	1.0000	1.020 ± 0.048	0.9798
2000.0	5	0.610 ± 0.040	0.2115	5	0.163 ± 0.059	0.9229	1.072 ± 0.096	0.6569
Trend p-Value		0.5247			0.1122		0.0989	

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 \*\***