

Experiment Number: **G10676B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Antimony Trioxide**

CAS Number: **1309-64-4**

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

Time Report Requested: **14:55:39**

NTP Study Number:

G10676B

Study Duration:

1 Years

Study Methodology:

Flow Cytometry

Male Study Result:

Positive

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 250; 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 ¹	5	2.530 ± 0.137		5	1.551 ± 0.047		1.436 ± 0.063	
3.0	5	2.370 ± 0.125	0.6223	5	1.595 ± 0.027	0.3054	1.481 ± 0.086	0.8605
10.0	5	2.870 ± 0.234	0.1622	5	1.662 ± 0.024	0.1198	2.193 ± 0.324	0.0262
30.0	5	2.780 ± 0.209	0.1731	5	1.933 ± 0.101	< 0.001 *	3.411 ± 0.531	< 0.001 *
Trend p-Value		0.1002			< 0.001 *		< 0.001 *	

Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 250; 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 ¹	5	2.170 ± 0.185		5	1.038 ± 0.020		1.131 ± 0.219	
3.0	5	1.770 ± 0.144	0.8408	5	1.084 ± 0.014	0.2750	1.215 ± 0.062	1.0000
10.0	5	2.210 ± 0.058	0.4985	5	1.128 ± 0.053	0.1462	1.398 ± 0.129	1.0000
30.0	5	2.380 ± 0.135	0.1931	5	1.378 ± 0.087	< 0.001 *	2.660 ± 0.339	0.0069 *
Trend p-Value		0.0300			< 0.001 *		0.0010 *	

Trial Summary: Positive

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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: Air

**** END OF REPORT ****