

Experiment Number: **G10676**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Rat/Wistar Han**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Antimony Trioxide**

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

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

Time Report Requested: **14:50:51**

NTP Study Number:

G10676

Study Duration:

1 Years

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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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	0.980 ± 0.085		5	0.045 ± 0.006		0.632 ± 0.052	
3.0	5	0.810 ± 0.100	0.6885	5	0.058 ± 0.010	0.2690	0.702 ± 0.056	0.8513
10.0	5	1.110 ± 0.148	0.5738	5	0.058 ± 0.011	0.3234	0.651 ± 0.033	0.9500
30.0	5	0.860 ± 0.139	0.6068	5	0.052 ± 0.019	0.3447	0.588 ± 0.054	0.6545
Trend p-Value		0.6422			0.4668		0.2265	

Trial Summary: Negative

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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	1.500 ± 0.368		5	0.053 ± 0.011		0.869 ± 0.210	
3.0	5	1.150 ± 0.328	0.8909	5	0.027 ± 0.004	0.9471	0.887 ± 0.105	1.0000
10.0	5	0.658 ± 0.080	0.9416	5	0.037 ± 0.006	0.9771	0.741 ± 0.063	0.9143
30.0	5	0.800 ± 0.150	0.9567	5	0.030 ± 0.004	0.9843	0.772 ± 0.129	0.9236
Trend p-Value		0.9361			0.8918		0.5732	

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: Air

**** END OF REPORT ****