

Experiment Number: **G10676D**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **Antimony Trioxide**

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

Date Report Requested: **02/27/2019**

Time Report Requested: **11:47:36**

NTP Study Number:

G10676D

Study Duration:

1 year

Male Study Result:

Positive

Female Study Result:

Positive

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Route: Inhalation

Species/Strain: Mouse/B6C3F1

G01: In Vivo Alkaline Comet Summary Data

Test Compound: Antimony Trioxide

CAS Number: 1309-64-4

Date Report Requested: 02/27/2019

Time Report Requested: 11:47:36

Sex: Male; Number of Treatments: 250

Dose (mg/m3)	N	Blood		N	Lung	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	5	3.265 ± 0.309		5	25.561 ± 0.778	
3	5	2.842 ± 0.658	0.5782	5	33.707 ± 2.616	0.0068 *
10	4	3.458 ± 0.594	0.5096	4	34.631 ± 2.120	0.0038 *
30	5	4.187 ± 1.210	0.2621	5	37.545 ± 2.279	< 0.001 *
Trend p-Value		0.1177			0.0047 *	

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Test Compound: Antimony Trioxide

CAS Number: 1309-64-4

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Sex: Female; Number of Treatments: 250

Dose (mg/m3)	N	Blood		N	Lung	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	5	3.548 ± 0.681		5	32.801 ± 1.107	
3	5	3.813 ± 0.404	0.7743	5	35.833 ± 2.094	0.1632
10	5	2.515 ± 0.204	0.8508	5	36.414 ± 2.651	0.1487
30	5	2.444 ± 0.280	0.8780	5	45.456 ± 2.315	< 0.001 *
Trend p-Value		0.9783			< 0.001 *	

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LEGEND

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 ****