

Experiment Number: **G10676C**

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

Route: **Inhalation**

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

**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: **11:46:25**

**NTP Study Number:** G10676C

**Study Duration:** 1 year

**Male Study Result:** Negative

**Female Study Result:** Negative

Experiment Number: G10676C

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Route: Inhalation

Species/Strain: Rat/Wistar Han

**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: 11:46:25

**Sex: Male**

Dose (mg/m3)	N	Blood		N	Lung	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	5.381 ± 1.042		5	31.041 ± 2.318	
3	5	7.864 ± 1.052	0.3075	5	34.727 ± 2.424	0.6048
10	5	6.037 ± 1.235	0.3682	5	25.794 ± 2.614	0.6926
30	5	4.506 ± 0.723	0.3912	5	29.333 ± 0.995	0.7281
Trend p-Value		0.9196			0.8318	

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**G01: In Vivo Alkaline Comet Summary Data**

Test Compound: Antimony Trioxide

CAS Number: 1309-64-4

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**Sex: Female**

Dose (mg/m3)	N	Blood		N	Lung	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	2.517 ± 0.507		5	32.228 ± 1.196	
3	5	1.710 ± 0.144	0.6748	5	30.054 ± 1.278	0.7113
10	5	3.329 ± 1.078	0.4556	5	28.925 ± 4.026	0.7947
30	5	2.242 ± 0.335	0.4848	5	29.179 ± 3.031	0.8292
Trend p-Value		0.4912			0.7406	

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LEGEND

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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 \*\***