

Experiment Number: **G94036**

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

Route: **Oral Gavage**

Species/Strain: **Rat/Sprague Dawley**

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **Sodium Arsenite**

CAS Number: **7784-46-5**

Date Report Requested: **08/31/2018**

Time Report Requested: **13:22:19**

NTP Study Number:

G94036

Study Duration:

3 day

Male Study Result:

Negative

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Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 3 h

Dose (mg/kg/day)	N	Liver		N	Stomach	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	5	0.158 ± 0.025		5	14.860 ± 3.065	
7.5	5	0.262 ± 0.093	0.6814	5	11.074 ± 2.552	0.8062
15	5	0.184 ± 0.016	0.5886	5	10.894 ± 1.466	0.8763
30	5	0.287 ± 0.091	0.4276	5	10.430 ± 2.421	0.9015
Trend p-Value		0.1908			0.8695	
Positive Control ²	5	12.376 ± 1.093	0.0045 *	5	31.047 ± 1.794	0.0011 *

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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: 0.9% Saline

2: 200 mg/kg/day EMS

**** END OF REPORT ****