

Experiment Number: **G03038E**

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

Route: **Oral**

Species/Strain: **Mouse/B6C3F1**

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

Test Compound: **Sodium tungstate dihydrate**

CAS Number: **10213-10-2**

Date Report Requested: **07/23/2019**

Time Report Requested: **15:45:14**

**NTP Study Number:** G03038E

**Study Duration:** 13 week

**Male Study Result:** Positive

**Female Study Result:** Negative

Experiment Number: G03038E

Test Type: Genetic Toxicology - In Vivo Alkaline Comet Assay

Route: Oral

Species/Strain: Mouse/B6C3F1

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

Test Compound: Sodium tungstate dihydrate

CAS Number: 10213-10-2

Date Report Requested: 07/23/2019

Time Report Requested: 15:45:14

**Sex: Male**

Dose (mg/L)	N	Blood		N	Ileum	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	2.491 ± 0.429		5	11.688 ± 2.337	
125	5	3.895 ± 0.477	0.0487	5	20.258 ± 1.906	0.0187 *
250	5	3.858 ± 0.537	0.0577	5	13.268 ± 0.677	0.0227 *
500	5	3.290 ± 0.367	0.0613	5	22.907 ± 1.167	0.0234 *
1000	5	3.342 ± 0.536	0.0623	5	9.354 ± 1.560	0.0234 *
2000	5	3.608 ± 0.331	0.0602	5	19.960 ± 0.907	< 0.001 *
Trend p-Value		0.1986			0.2121	

Experiment Number: G03038E

Test Type: Genetic Toxicology - In Vivo Alkaline Comet Assay

Route: Oral

Species/Strain: Mouse/B6C3F1

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

Test Compound: Sodium tungstate dihydrate

CAS Number: 10213-10-2

Date Report Requested: 07/23/2019

Time Report Requested: 15:45:14

**Sex: Male**

Dose (mg/L)	N	Kidney		N	Liver	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	6.195 ± 0.567		4	4.141 ± 0.322	
125	5	5.480 ± 0.731	0.8378	5	17.548 ± 0.496	< 0.001 *
250	5	5.065 ± 0.696	0.9036	5	17.509 ± 1.251	< 0.001 *
500	5	4.843 ± 0.344	0.9237	5	17.009 ± 1.025	< 0.001 *
1000	5	5.670 ± 0.540	0.8674	5	19.857 ± 1.023	< 0.001 *
2000	5	6.627 ± 0.378	0.4018	5	19.970 ± 1.251	< 0.001 *
Trend p-Value		0.3080			< 0.001 *	

Experiment Number: G03038E

Test Type: Genetic Toxicology - In Vivo Alkaline Comet Assay

Route: Oral

Species/Strain: Mouse/B6C3F1

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

Test Compound: Sodium tungstate dihydrate

CAS Number: 10213-10-2

Date Report Requested: 07/23/2019

Time Report Requested: 15:45:14

---

**Sex: Female**

---

Dose (mg/L)	N	Blood		N	Ileum	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	0.929 ± 0.187		5	20.499 ± 1.796	
125	5	1.241 ± 0.241	0.8303	5	21.849 ± 1.798	0.3395
250	5	1.026 ± 0.114	1.0000	5	21.069 ± 1.846	0.4038
500	5	1.039 ± 0.228	1.0000	5	24.653 ± 1.009	0.1312
1000	5	1.282 ± 0.288	1.0000	5	23.911 ± 1.938	0.1340
2000	5	1.419 ± 0.093	0.1674	5	21.884 ± 1.054	0.1370
Trend p-Value		0.0813			0.1123	

Experiment Number: G03038E

Test Type: Genetic Toxicology - In Vivo Alkaline Comet Assay

Route: Oral

Species/Strain: Mouse/B6C3F1

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

Test Compound: Sodium tungstate dihydrate

CAS Number: 10213-10-2

Date Report Requested: 07/23/2019

Time Report Requested: 15:45:14

**Sex: Female**

Dose (mg/L)	N	Kidney		N	Liver	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	6.813 ± 1.866		5	6.398 ± 0.523	
125	5	4.837 ± 0.465	1.0000	5	5.920 ± 0.893	0.5730
250	5	8.542 ± 3.125	1.0000	5	10.630 ± 1.220	0.0527
500	5	5.358 ± 0.591	1.0000	5	7.985 ± 1.141	0.0556
1000	5	12.162 ± 3.750	0.4031	5	8.903 ± 0.996	0.0561
2000	5	7.013 ± 1.015	1.0000	5	7.504 ± 0.644	0.0563
Trend p-Value		0.0573			0.1045	

Experiment Number: **G03038E**

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

Route: **Oral**

Species/Strain: **Mouse/B6C3F1**

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

Test Compound: **Sodium tungstate dihydrate**

CAS Number: **10213-10-2**

Date Report Requested: **07/23/2019**

Time Report Requested: **15:45:14**

#### 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: Water

**\*\* END OF REPORT \*\***