

Experiment Number: **G03038C**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Water**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sodium Tungstate Dihydrate**

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

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

Time Report Requested: **11:22:20**

NTP Study Number:

G03038C

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

Experiment Number: G03038C
 Test Type: Genetic Toxicology - Micronucleus
 Route: Dosed-Water
 Species/Strain: Rat/Harlan Sprague Dawley

G04: In Vivo Micronucleus Summary Data
 Test Compound: Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 09/23/2018
 Time Report Requested: 11:22:20

Tissue: Blood; Sex: Male; Number of Treatments: 61; Time interval between final treatment and cell sampling: 24 h

Dose (mg/L)	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	0.379 ± 0.041		5	0.055 ± 0.011		1.048 ± 0.084	
125.0	5	0.447 ± 0.064	0.4827	5	0.037 ± 0.006	0.9340	1.138 ± 0.078	1.0000
250.0	5	0.320 ± 0.102	0.5625	5	0.034 ± 0.008	0.9690	0.926 ± 0.041	1.0000
500.0	5	0.450 ± 0.027	0.3857	5	0.051 ± 0.008	0.9784	1.036 ± 0.040	1.0000
1000.0	5	0.450 ± 0.061	0.4004	5	0.033 ± 0.004	0.9826	1.182 ± 0.076	0.2222
2000.0	5	0.390 ± 0.089	0.4115	5	0.025 ± 0.003	0.9852	1.318 ± 0.075	0.0162 *
Trend p-Value		0.4394			0.9875		0.0027 *	

Trial Summary: Negative

Experiment Number: G03038C
 Test Type: Genetic Toxicology - Micronucleus
 Route: Dosed-Water
 Species/Strain: Rat/Harlan Sprague Dawley

G04: In Vivo Micronucleus Summary Data
 Test Compound: Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 09/23/2018
 Time Report Requested: 11:22:20

Tissue: Blood; Sex: Female; Number of Treatments: 61; Time interval between final treatment and cell sampling: 24 h

Dose (mg/L)	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	0.520 ± 0.030		5	0.074 ± 0.015		0.891 ± 0.110	
125.0	5	0.560 ± 0.137	0.6485	5	0.038 ± 0.004	0.8611	0.799 ± 0.084	1.0000
250.0	5	0.488 ± 0.049	0.7352	5	0.064 ± 0.015	0.9213	1.050 ± 0.100	0.2781
500.0	5	0.520 ± 0.037	0.7697	5	0.056 ± 0.010	0.9388	1.085 ± 0.144	0.2745
1000.0	5	0.506 ± 0.093	0.7868	5	0.050 ± 0.014	0.9477	1.240 ± 0.065	0.0420
2000.0	5	0.280 ± 0.044	0.7995	5	0.045 ± 0.012	0.9538	1.191 ± 0.086	0.0431
Trend p-Value		0.9952			0.8528		0.0115 *	

Trial Summary: Negative

Experiment Number: **G03038C**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Water**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sodium Tungstate Dihydrate**

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

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

Time Report Requested: **11:22:20**

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: Water

**** END OF REPORT ****