

Experiment Number: A47624

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/20/2018

Time Report Requested: 15:47:53

NTP Study Number:

A47624

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A47624

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/20/2018

Time Report Requested: 15:47:53

Tissue: Blood; Sex: Male; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	12	0.92 ± 0.16	
64.0	11	2.14 ± 0.20	< 0.001 *
128.0	13	4.42 ± 0.39	< 0.001 *
256.0	15	5.20 ± 0.42	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A47624

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/20/2018

Time Report Requested: 15:47:53

Tissue: Blood; Sex: Female; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.45 ± 0.31	
64.0	10	2.60 ± 0.31	0.0053 *
128.0	11	3.00 ± 0.44	< 0.001 *
256.0	11	4.09 ± 0.46	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A47624

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/20/2018

Time Report Requested: 15:47:53

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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Ethanol

**** END OF REPORT ****