

Experiment Number: A01583

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/P53 +/- (C57BL/6)

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/19/2018

Time Report Requested: 22:24:58

NTP Study Number:

A01583

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A01583
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/P53 +/- (C57BL/6)

G04: In Vivo Micronucleus Summary Data
Test Compound: Sodium bromate
CAS Number: 7789-38-0

Date Report Requested: 09/19/2018
Time Report Requested: 22:24:58

Tissue: Blood; Sex: Male; Number of Treatments: 182; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/L)	N	Mean ± SEM	p-Value
Vehicle Control ¹	14	1.54 ± 0.24	
80.0	14	1.79 ± 0.31	0.2338
400.0	14	2.29 ± 0.41	0.0211
800.0	14	3.86 ± 0.25	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A01583
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/P53 +/- (C57BL/6)

G04: In Vivo Micronucleus Summary Data
Test Compound: Sodium bromate
CAS Number: 7789-38-0

Date Report Requested: 09/19/2018
Time Report Requested: 22:24:58

Tissue: Blood; Sex: Female; Number of Treatments: 182; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/L)	N	Mean ± SEM	p-Value
Vehicle Control ¹	14	1.18 ± 0.18	
80.0	15	1.47 ± 0.23	0.1705
400.0	15	1.97 ± 0.22	0.0086
800.0	14	3.57 ± 0.25	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A01583

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/P53 +/- (C57BL/6)

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium bromate

CAS Number: 7789-38-0

Date Report Requested: 09/19/2018

Time Report Requested: 22:24:58

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: Water

**** END OF REPORT ****