

Experiment Number: A26197
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Lead(2+) acetate
CAS Number: 301-04-2

Date Report Requested: 09/20/2018

Time Report Requested: 07:10:33

NTP Study Number:	A26197
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.44		1	0.00 ± 0.00		46.90 ± 0.00
12.5	5	1.60 ± 0.37	0.2247	1	0.00 ± 0.00	< 0.001 *	47.30 ± 0.00
25.0	5	1.90 ± 0.58	0.1042	3	0.00 ± 0.00	0.5000	48.47 ± 0.43
50.0	4	1.63 ± 0.24	0.2234	2	0.00 ± 0.00	0.5000	49.75 ± 0.25
100.0	5	2.80 ± 0.34	0.0057 *	4	0.00 ± 0.00	0.5000	42.43 ± 2.51
Trend p-Value		0.0050 *					
Positive Control ²	5	16.70 ± 0.56	< 0.001 *	5	0.00 ± 0.00	0.5000	53.46 ± 1.57

Trial Summary: Negative

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		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.10 ± 0.19					58.38 ± 3.04
60.0	3	2.33 ± 0.44	0.0279	2	0.00 ± 0.00	0.8750	39.90 ± 4.00
80.0	4	1.50 ± 0.74	0.2277				61.20 ± 2.74
100.0	2	1.25 ± 0.25	0.4062	1	0.00 ± 0.00	< 0.001 *	41.20 ± 0.00
120.0	5	2.00 ± 0.27	0.0529	2	0.00 ± 0.00	0.8712	41.80 ± 4.10
140.0	5	2.40 ± 0.29	0.0139	4	0.00 ± 0.00	0.9520	37.08 ± 2.62
160.0	5	1.50 ± 0.27	0.2162	4	0.00 ± 0.00	0.9471	40.63 ± 3.91
Trend p-Value		0.0950					
Positive Control ²	5	12.00 ± 1.94	< 0.001 *	5	0.00 ± 0.00	0.9521	49.58 ± 3.02
Trial Summary: Negative							

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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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****