

Experiment Number: A21831

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 09/20/2018

Time Report Requested: 05:31:22

**NTP Study Number:**

A21831

**Study Duration:**

90 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (ppm)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	2.10 ± 0.33	
3125.0	5	1.90 ± 0.43	0.6242
6250.0	5	2.70 ± 0.44	0.1930
12500.0	5	2.90 ± 0.60	0.1287
25000.0	5	2.20 ± 0.20	0.4393
50000.0	5	3.10 ± 0.94	0.0825
Trend p-Value		0.0870	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (ppm)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	1.70 ± 0.46	
3125.0	5	2.50 ± 0.32	0.1083
6250.0	5	1.30 ± 0.37	0.7676
12500.0	5	2.40 ± 0.90	0.1369
25000.0	5	2.90 ± 0.70	0.0383
50000.0	5	1.90 ± 0.37	0.3693
Trend p-Value		0.3320	

Trial Summary: Negative

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LEGEND

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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: Solvent

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