

Experiment Number: A42271

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: beta-Sitosterol

CAS Number: 83-46-5

Date Report Requested: 09/20/2018

Time Report Requested: 13:28:43

**NTP Study Number:**

A42271

**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

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.40 ± 0.24		52.30 ± 4.36
500.0	5	0.70 ± 0.25	0.9368	49.20 ± 3.83
1000.0	5	1.50 ± 0.27	0.4263	54.50 ± 2.25
2000.0	6	1.92 ± 0.62	0.1759	59.33 ± 3.34
Trend p-Value		0.0480		
Positive Control <sup>2</sup>	5	13.40 ± 2.00	< 0.001 *	51.10 ± 4.89

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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  $p = 0.025$ /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 \*\***