

Experiment Number: A11335

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Fischer 344**

G04: In Vivo Micronucleus Summary Data

Test Compound: **beta-Sitosterol**

CAS Number: **83-46-5**

Date Report Requested: **09/20/2018**

Time Report Requested: **02:21:28**

NTP Study Number:

A11335

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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.90 ± 0.29		46.70 ± 4.69	
468.8	5	1.50 ± 0.63	0.1102	51.00 ± 0.89	
937.5	5	0.60 ± 0.10	0.7808	52.80 ± 3.22	
1875.0	5	1.30 ± 0.44	0.1968	49.20 ± 1.71	
Trend p-Value		0.3490			
Positive Control ²	5	22.90 ± 1.39	< 0.001 *	16.00 ± 4.38	

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 $p = 0.025$ /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 ****