

Experiment Number: **G00058C**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Black Cohosh**

CAS Number: **84776-26-1**

Date Report Requested: **09/23/2018**

Time Report Requested: **10:39:42**

**NTP Study Number:**

G00058C

**Study Duration:**

92 Days

**Study Methodology:**

Flow Cytometry

**Female Study Result:**

Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 91; 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	p-Value
Vehicle Control <sup>1</sup>	5	2.050 ± 0.119		5	1.056 ± 0.018		1.585 ± 0.101	
30.0	5	2.080 ± 0.221	1.0000	5	1.080 ± 0.013	0.3328	1.639 ± 0.117	0.8229
100.0	5	2.420 ± 0.189	0.8277	5	1.370 ± 0.045	< 0.001 *	1.826 ± 0.133	0.7443
300.0	5	3.250 ± 0.099	0.0404	5	1.908 ± 0.052	< 0.001 *	1.695 ± 0.116	0.7906
1000.0	5	5.530 ± 0.485	0.0012 *	5	2.890 ± 0.046	< 0.001 *	1.638 ± 0.208	0.8121
Trend p-Value		< 0.001 *			< 0.001 *		0.6474	

Trial Summary: Positive

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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

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: 0.5% Methylcellulose

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