

Experiment Number: **G00058E**

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: **10:43:57**

**NTP Study Number:**

G00058E

**Study Duration:**

1 Years

**Study Methodology:**

Flow Cytometry

**Female Study Result:**

Positive

Experiment Number: G00058E

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: 10:43:57

Tissue: Blood; Sex: Female; Number of Treatments: 364; 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	1.870 ± 0.116		5	1.002 ± 0.035		1.801 ± 0.167	
30.0	5	2.100 ± 0.106	0.8271	5	1.074 ± 0.036	1.0000	1.880 ± 0.230	0.8948
100.0	5	2.090 ± 0.128	0.8271	5	1.378 ± 0.118	0.1174	2.081 ± 0.145	0.8261
300.0	5	3.950 ± 0.695	0.0060 *	5	1.892 ± 0.196	0.0070 *	1.928 ± 0.348	0.8697
1000.0	5	5.000 ± 0.359	0.0011 *	5	2.641 ± 0.228	< 0.001 *	2.439 ± 0.305	0.2152
Trend p-Value		< 0.001 *			< 0.001 *		0.1440	

Trial Summary: Positive

Experiment Number: **G00058E**

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: **10:43:57**

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

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 \*\***