

Experiment Number: 739526  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzoin  
CAS Number: 119-53-9

Date Report Requested: 09/19/2018  
Time Report Requested: 19:48:39

**NTP Study Number:** 739526  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Negative

Experiment Number: 739526  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzoin  
CAS Number: 119-53-9

Date Report Requested: 09/19/2018  
Time Report Requested: 19:48:39

Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	3.00 ± 0.65		2.20 ± 0.17
438.0	5	2.20 ± 0.20	0.8667	1.52 ± 0.15
875.0	5	2.60 ± 0.40	0.7038	1.52 ± 0.19
1750.0	3	3.67 ± 1.42	0.2366	2.37 ± 0.12
Trend p-Value		0.1860		
Positive Control <sup>2</sup>	5	9.20 ± 1.41	< 0.001 *	0.68 ± 0.08

Trial Summary: Negative

Experiment Number: 739526  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzoin  
CAS Number: 119-53-9

Date Report Requested: 09/19/2018  
Time Report Requested: 19:48:39

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	3.50 ± 0.82		68.00 ± 3.62
438.0	5	1.80 ± 0.37	0.9903	58.40 ± 3.49
875.0	5	2.50 ± 0.71	0.9020	61.80 ± 2.77
1750.0	3	3.17 ± 0.88	0.6376	61.67 ± 3.09
Trend p-Value		0.5450		
Positive Control <sup>2</sup>	5	9.10 ± 1.39	< 0.001 *	58.30 ± 3.54

Trial Summary: Negative

Experiment Number: 739526  
Test Type: **Genetic Toxicology - Micronucleus**  
Route: **Intraperitoneal Injection**  
Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Benzoin**  
CAS Number: **119-53-9**

Date Report Requested: **09/19/2018**  
Time Report Requested: **19:48:39**

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  $p = 0.025/\text{number of treatment groups}$ ; 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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

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