

Experiment Number: 432849

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 09/19/2018

Time Report Requested: 16:43:01

**NTP Study Number:**

432849

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

Experiment Number: 432849  
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**G04: In Vivo Micronucleus Summary Data**

Test Compound: Benzyl acetate  
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Date Report Requested: 09/19/2018  
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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	4.30 ± 0.97		2.70 ± 0.17
312.5	5	3.80 ± 0.56	0.7111	3.66 ± 0.30
625.0	5	3.80 ± 0.85	0.7111	3.38 ± 0.34
1250.0	5	3.90 ± 0.58	0.6710	2.54 ± 0.30
Trend p-Value		0.6370		
Positive Control <sup>2</sup>	4	9.63 ± 1.78	< 0.001 *	1.80 ± 0.13

Trial Summary: Negative

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Test Compound: Benzyl acetate  
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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	3.00 ± 0.69		69.90 ± 2.37
312.5	5	2.90 ± 0.60	0.5519	65.80 ± 3.18
625.0	5	3.20 ± 0.60	0.3996	64.30 ± 5.41
1250.0	5	1.80 ± 0.46	0.9586	60.70 ± 3.08
Trend p-Value		0.9530		
Positive Control <sup>2</sup>	5	8.60 ± 0.64	< 0.001 *	51.70 ± 4.61

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  $p = 0.025/\text{number of treatment groups}$ ; 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 \*\***