

Experiment Number: 597306

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Benzyl alcohol**

CAS Number: **100-51-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **18:48:24**

**NTP Study Number:**

597306

**Study Result:**

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Benzyl alcohol

CAS Number: 100-51-6

Date Report Requested: 09/14/2018

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**Strain: TA100**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	132 ± 6.7	142 ± 5.1	88 ± 8.4	134 ± 4.7	83 ± 3.3
100.0	134 ± 3.2	137 ± 9.2	117 ± 11.9	137 ± 3.2	69 ± 2.0
333.0	115 ± 3.7	133 ± 6.4	115 ± 6.4	138 ± 8.2	88 ± 4.8
1000.0	110 ± 8.9	137 ± 10.7	111 ± 7.8	122 ± 10.5	70 ± 6.7
3333.0	105 ± 7.2 <sup>s</sup>	135 ± 6.5	119 ± 11.3	138 ± 4.6 <sup>s</sup>	66 ± 4.0
5000.0		135 ± 8.5 <sup>s</sup>			
6666.0	Toxic		98 ± 3.2 <sup>s</sup>	124 ± 12.3 <sup>s</sup>	66 ± 3.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1289 ± 70.8
Positive Control <sup>3</sup>			939 ± 72.6	1611 ± 59.0	
Positive Control <sup>4</sup>	1819 ± 110.1	2012 ± 17.2			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	122 ± 8.5
100.0	125 ± 6.7
333.0	131 ± 7.2
1000.0	148 ± 9.5
3333.0	134 ± 8.4 <sup>s</sup>
5000.0	
6666.0	120 ± 11.6 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	2056 ± 17.1
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

Test Compound: Benzyl alcohol

CAS Number: 100-51-6

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	30 ± 6.6	18 ± 2.1	12 ± 2.7	11 ± 1.2	8 ± 1.2
100.0	23 ± 4.9	22 ± 2.1	9 ± 2.7	10 ± 3.3	7 ± 1.8
333.0	29 ± 2.3	22 ± 3.2	7 ± 1.8	10 ± 3.2	10 ± 1.7
1000.0	25 ± 1.2	17 ± 2.3	8 ± 2.5	13 ± 2.7	9 ± 0.9
3333.0	26 ± 3.3	25 ± 0.3	13 ± 0.7	12 ± 1.9	13 ± 2.8
5000.0		26 ± 3.3			
6666.0	Toxic		8 ± 1.0 <sup>s</sup>	10 ± 2.9 <sup>s</sup>	9 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					69 ± 6.6
Positive Control <sup>3</sup>			43 ± 1.7	70 ± 2.1	
Positive Control <sup>4</sup>	1266 ± 53.7	1384 ± 33.3			

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Benzyl alcohol**

CAS Number: **100-51-6**

Date Report Requested: **09/14/2018**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 2.0
100.0	8 ± 2.1
333.0	13 ± 1.5
1000.0	11 ± 0.7
3333.0	13 ± 2.7
5000.0	
6666.0	12 ± 0.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	123 ± 3.4
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Benzyl alcohol

CAS Number: 100-51-6

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**Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	4 ± 0.9	8 ± 2.5	7 ± 0.6	9 ± 0.7
100.0	5 ± 0.9	9 ± 2.6	7 ± 2.1	9 ± 0.9	8 ± 0.9
333.0	6 ± 1.5	7 ± 2.6	8 ± 1.5	8 ± 0.7	6 ± 0.3
1000.0	7 ± 1.2	5 ± 0.6	7 ± 1.5	7 ± 0.9	6 ± 0.6
3333.0	8 ± 1.5	4 ± 1.7	8 ± 3.6	9 ± 1.5	8 ± 1.2
5000.0		8 ± 1.2			
6666.0	Toxic		8 ± 3.1 <sup>s</sup>	6 ± 2.0 <sup>s</sup>	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					69 ± 10.1
Positive Control <sup>3</sup>			60 ± 0.7	86 ± 5.9	
Positive Control <sup>5</sup>	157 ± 15.3	777 ± 30.3			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 0.9
100.0	5 ± 1.5
333.0	5 ± 2.2
1000.0	7 ± 1.2
3333.0	7 ± 2.1
5000.0	
6666.0	8 ± 0.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	136 ± 4.9
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 597306

Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Benzyl alcohol

CAS Number: 100-51-6

Date Report Requested: 09/14/2018

Time Report Requested: 18:48:24

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 3.5	14 ± 3.5	30 ± 0.6	29 ± 1.7	31 ± 5.4
100.0	20 ± 4.4	13 ± 0.7	27 ± 1.5	24 ± 1.7	30 ± 0.7
333.0	20 ± 1.0	13 ± 4.0	32 ± 2.7	26 ± 4.2	31 ± 5.1
1000.0	15 ± 0.9	18 ± 2.4	24 ± 3.6	28 ± 5.9	33 ± 4.0
3333.0	14 ± 0.9	14 ± 1.0	34 ± 5.0	28 ± 2.9	31 ± 3.6
5000.0		15 ± 3.0			
6666.0	20 ± 3.8 <sup>s</sup>		30 ± 3.8	19 ± 1.5 <sup>s</sup>	32 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1093 ± 30.3
Positive Control <sup>3</sup>			804 ± 29.7	922 ± 20.4	
Positive Control <sup>6</sup>	1205 ± 23.7	1580 ± 32.0			



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G06: Ames Summary Data

Test Compound: Benzyl alcohol

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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	30 ± 2.5
100.0	27 ± 2.1
333.0	28 ± 5.2
1000.0	22 ± 4.1
3333.0	25 ± 3.2
5000.0	
6666.0	27 ± 1.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1525 ± 84.5
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

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### **LEGEND**

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Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Dimethyl Sulfoxide

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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