

Experiment Number: A22845

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

**G06: Ames Summary Data**

Test Compound: **Iodoethyl benzene**

CAS Number: **17376-04-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **10:39:18**

**NTP Study Number:**

A22845

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Iodoethyl benzene

CAS Number: 17376-04-4

Date Report Requested: 09/16/2018

Time Report Requested: 10:39:18

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	115 ± 3.5	98 ± 9.2	103 ± 2.6	128 ± 1.2	103 ± 5.9
1.0	119 ± 3.7	95 ± 10.7			
3.0	120 ± 3.0	89 ± 9.4	97 ± 6.5		102 ± 8.1
10.0	116 ± 3.5	110 ± 2.3	99 ± 1.7	114 ± 2.9	105 ± 3.7
33.0	115 ± 3.0	108 ± 1.2	107 ± 0.6	119 ± 0.7	102 ± 2.9
66.0		83 ± 9.1			
100.0	52 ± 17.5 <sup>s</sup>		103 ± 2.0	118 ± 5.8	97 ± 5.9
333.0			83 ± 4.8 <sup>s</sup>	104 ± 7.4	70 ± 5.8 <sup>s</sup>
666.0			Toxic		Toxic
1000.0				99 ± 6.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					420 ± 5.7
Positive Control <sup>3</sup>			330 ± 14.7		
Positive Control <sup>4</sup>				458 ± 11.4	
Positive Control <sup>5</sup>	1243 ± 23.2	874 ± 16.2			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	124 ± 3.2
1.0	
3.0	
10.0	119 ± 6.1
33.0	106 ± 6.7
66.0	
100.0	122 ± 3.8
333.0	114 ± 2.8
666.0	
1000.0	48 ± 16.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	548 ± 24.9
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 1.2	8 ± 1.2	12 ± 0.9	12 ± 2.7	9 ± 1.0
0.0		0 ± 0.0			
1.0	6 ± 0.7	7 ± 0.9			
3.0	7 ± 1.2	6 ± 1.2	11 ± 2.3		9 ± 0.0
10.0	8 ± 1.5	10 ± 0.6	9 ± 1.5	14 ± 1.2	7 ± 0.3
33.0	7 ± 0.7	9 ± 0.7	7 ± 0.3	12 ± 0.9	9 ± 0.7
66.0	7 ± 1.5	4 ± 0.6 <sup>s</sup>			
100.0			9 ± 0.6	15 ± 1.2	8 ± 0.0
333.0			4 ± 0.0 <sup>s</sup>	19 ± 1.5	3 ± 0.3 <sup>s</sup>
666.0			Toxic		Toxic
1000.0				11 ± 3.5 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					85 ± 4.1
Positive Control <sup>4</sup>			115 ± 2.3		
Positive Control <sup>5</sup>	879 ± 18.5	855 ± 22.2			
Positive Control <sup>6</sup>				142 ± 15.9	

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**G06: Ames Summary Data**

Test Compound: Iodoethyl benzene

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.7
0.0	
1.0	
3.0	
10.0	7 ± 0.6
33.0	6 ± 0.9
66.0	
100.0	9 ± 0.3
333.0	7 ± 3.0
666.0	3 ± 0.0 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	308 ± 15.0
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	157 ± 7.5	97 ± 6.4	96 ± 3.6	186 ± 3.8	100 ± 7.2
1.0	164 ± 5.8	96 ± 8.4			
3.0	167 ± 3.3	109 ± 10.4	118 ± 6.4		126 ± 5.3
10.0	177 ± 9.0	92 ± 2.9	112 ± 0.9	181 ± 5.7	121 ± 9.2
33.0	169 ± 7.0	89 ± 5.5	119 ± 4.6	185 ± 13.0	131 ± 3.7
66.0	79 ± 11.2 <sup>s</sup>	62 ± 5.7 <sup>s</sup>			
100.0			110 ± 6.2	192 ± 8.4	101 ± 8.4
333.0			76 ± 7.5 <sup>s</sup>	161 ± 5.8	65 ± 8.9 <sup>s</sup>
666.0			Toxic		Toxic
1000.0				103 ± 3.3 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					436 ± 7.8
Positive Control <sup>3</sup>			332 ± 4.8		
Positive Control <sup>4</sup>				424 ± 6.5	
Positive Control <sup>7</sup>	372 ± 19.1	437 ± 20.0			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	183 ± 6.7
1.0	
3.0	
10.0	174 ± 5.8
33.0	184 ± 8.1
66.0	
100.0	174 ± 8.7
333.0	176 ± 12.4
666.0	67 ± 13.0 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	522 ± 1.8
Positive Control <sup>4</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.8	18 ± 0.6	22 ± 2.0	27 ± 5.4	16 ± 0.3
1.0	15 ± 0.3	14 ± 2.3			
3.0	13 ± 0.3	15 ± 1.9	16 ± 1.7		17 ± 0.6
10.0	12 ± 1.0	14 ± 0.6	14 ± 0.3	19 ± 2.6	18 ± 1.7
33.0	17 ± 0.9	11 ± 0.3	14 ± 0.3	18 ± 2.8	16 ± 0.3
66.0		7 ± 1.0 <sup>s</sup>			
100.0	5 ± 1.5 <sup>s</sup>		16 ± 0.9	23 ± 1.9	16 ± 3.0
333.0			8 ± 2.9 <sup>s</sup>	20 ± 2.6	9 ± 0.3 <sup>s</sup>
666.0			Toxic		Toxic
1000.0				14 ± 2.1	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					226 ± 20.2
Positive Control <sup>3</sup>			146 ± 10.3		
Positive Control <sup>8</sup>	266 ± 17.6	274 ± 14.8			
Positive Control <sup>4</sup>				320 ± 14.0	



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 0.6
1.0	
3.0	
10.0	23 ± 4.5
33.0	17 ± 3.3
66.0	
100.0	21 ± 5.3
333.0	21 ± 3.2
666.0	
1000.0	7 ± 2.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	393 ± 32.5
Positive Control <sup>8</sup>	
Positive Control <sup>4</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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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