

Experiment Number: **A04388**

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

**G06: Ames Summary Data**

Test Compound: **Iodoacetic acid**

CAS Number: **64-69-7**

Date Report Requested: **09/15/2018**

Time Report Requested: **15:19:53**

**NTP Study Number:**

A04388

**Study Result:**

Weakly Positive

Experiment Number: A04388

## G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: Iodoacetic acid

Time Report Requested: 15:19:53

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	123 ± 6.7	139 ± 13.3	114 ± 1.2	136 ± 8.3	126 ± 6.8
1.0	124 ± 2.9				
3.0	122 ± 2.4	145 ± 10.4	104 ± 7.8		
10.0	127 ± 10.9	139 ± 7.1	123 ± 3.1		131 ± 8.8
33.0	142 ± 4.7	167 ± 5.2	134 ± 7.8	134 ± 7.3	132 ± 4.7
66.0		196 ± 3.3	178 ± 6.4		
100.0	254 ± 29.8 <sup>s</sup>	212 ± 28.8 <sup>s</sup>	202 ± 14.1 <sup>s</sup>	136 ± 3.8	134 ± 3.6
333.0				138 ± 2.0	133 ± 3.2
1000.0				123 ± 7.2	Toxic
3333.0				Toxic	
Trial Summary	Equivocal	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control <sup>2</sup>					1257 ± 49.9
Positive Control <sup>3</sup>	897 ± 12.9		869 ± 16.5		
Positive Control <sup>4</sup>		889 ± 22.8			
Positive Control <sup>5</sup>				818 ± 13.7	

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.3
3.0	9 ± 0.6
10.0	8 ± 0.3
33.0	6 ± 2.5
66.0	8 ± 2.9
100.0	5 ± 0.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	932 ± 18.3

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**Strain: TA98**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 2.7	20 ± 2.2	25 ± 4.1
1.0	22 ± 3.5		
3.0	17 ± 0.7		
10.0	19 ± 2.6		20 ± 4.5
33.0	19 ± 2.9	19 ± 0.6	21 ± 4.9
100.0	8 ± 2.1 <sup>s</sup>	21 ± 0.6	27 ± 1.2
333.0		21 ± 2.0	23 ± 0.6
1000.0		21 ± 2.7	Toxic
3333.0		Toxic	
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			949 ± 18.1
Positive Control <sup>6</sup>	375 ± 13.7		
Positive Control <sup>5</sup>		562 ± 19.7	

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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: Water

2: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate N-Methyl-N-Nitro-N-Nitrosoguanidine

5: 5.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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