

Experiment Number: 514794

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

**G06: Ames Summary Data**

Test Compound: **Azobenzene**

CAS Number: **103-33-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **12:07:33**

**NTP Study Number:**

514794

**Study Result:**

Positive

Experiment Number: 514794

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## G06: Ames Summary Data

Test Compound: Azobenzene

CAS Number: 103-33-3

Date Report Requested: 09/12/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	122 ± 12.7	135 ± 3.8	114 ± 4.2	130 ± 3.5	154 ± 13.1
0.3	111 ± 10.4				
1.0	117 ± 11.9				
3.3	120 ± 7.9	151 ± 10.5	129 ± 8.1	136 ± 6.2	120 ± 8.7
10.0	108 ± 4.0	210 ± 11.5	143 ± 5.6	155 ± 2.6	159 ± 16.3
33.3	91 ± 4.7	289 ± 11.6	231 ± 14.6	179 ± 13.1	169 ± 13.2
100.0		448 ± 31.1	406 ± 47.5	260 ± 14.8	240 ± 5.1
333.3		169 ± 41.4 <sup>s</sup>	353 ± 84.6 <sup>s</sup>	209 ± 41.7 <sup>s</sup>	32 ± 27.5 <sup>s</sup>
Trial Summary	Negative	Positive	Positive	Weakly Positive	Equivocal
Positive Control <sup>2</sup>		997 ± 34.8	305 ± 7.0	2304 ± 86.7	908 ± 11.0
Positive Control <sup>3</sup>	521 ± 13.7				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.9	12 ± 1.5	11 ± 3.5
0.3	21 ± 3.0		
1.0	19 ± 2.7		
3.3	20 ± 2.6	16 ± 0.3	10 ± 1.7
10.0	17 ± 3.4	13 ± 0.9	14 ± 2.2
33.3	15 ± 1.7	10 ± 1.8	11 ± 1.2
100.0		10 ± 1.2	12 ± 1.5
333.3		3 ± 1.5 <sup>s</sup>	9 ± 0.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	394 ± 18.9		
Positive Control <sup>4</sup>		246 ± 8.5	246 ± 7.2

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 1.7	6 ± 1.2	8 ± 1.3
0.3	5 ± 1.9		
1.0	6 ± 2.2		
3.3	7 ± 0.6	9 ± 0.6	9 ± 1.0
10.0	5 ± 0.3	7 ± 0.3	7 ± 1.2
33.3	6 ± 1.0	7 ± 1.3	9 ± 2.6
100.0		5 ± 1.7	10 ± 2.1
333.3		1 ± 1.0 <sup>s</sup>	8 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		239 ± 24.6	411 ± 10.3
Positive Control <sup>5</sup>	847 ± 54.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 0.6	18 ± 2.3	23 ± 1.8
0.3	15 ± 2.2		
1.0	12 ± 1.2		
3.3	15 ± 5.2	22 ± 4.7	28 ± 5.6
10.0	14 ± 2.3	25 ± 2.9	34 ± 3.0
33.3	15 ± 1.2 <sup>s</sup>	28 ± 2.2	28 ± 1.5
100.0		37 ± 6.7	32 ± 2.9
333.3		15 ± 12.1 <sup>s</sup>	45 ± 3.8 <sup>s</sup>
Trial Summary	Negative	Equivocal	Equivocal
Positive Control <sup>2</sup>		249 ± 26.4	823 ± 92.0
Positive Control <sup>6</sup>	714 ± 5.7		

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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