

Experiment Number: 875607

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2,3-Benzotriazole

CAS Number: 95-14-7

Date Report Requested: 09/16/2018

Time Report Requested: 16:57:57

**NTP Study Number:**

875607

**Study Result:**

Weakly Positive

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	85 ± 4.7	115 ± 14.8	108 ± 7.7
33.0	101 ± 7.2	132 ± 2.3	121 ± 18.7
100.0	104 ± 3.5	124 ± 11.6	118 ± 7.5
333.0	106 ± 15.6	127 ± 5.8	115 ± 6.6
1000.0	119 ± 9.3	129 ± 13.9	138 ± 14.5
1666.0	121 ± 11.4	140 ± 4.7	136 ± 13.6
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		595 ± 37.7	1258 ± 67.3
Positive Control <sup>3</sup>	400 ± 3.2		

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## Strain: TA1535

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>	21 ± 4.3	8 ± 2.6	9 ± 0.7	7 ± 1.5	9 ± 1.5
33.0	18 ± 1.0	8 ± 2.6	10 ± 0.3	13 ± 0.9	7 ± 1.9
100.0	19 ± 1.7	10 ± 1.8	10 ± 1.0	11 ± 1.2	10 ± 2.1
333.0	20 ± 2.0	16 ± 2.4	48 ± 32.3	16 ± 1.7	13 ± 0.7
1000.0	30 ± 3.5	26 ± 4.0	20 ± 1.8	27 ± 2.1	22 ± 1.5
1666.0	0 ± 0.0 <sup>s</sup>	19 ± 5.6 <sup>s</sup>	22 ± 4.8	21 ± 5.5 <sup>s</sup>	18 ± 0.3
Trial Summary	Negative	Weakly Positive	Weakly Positive	Positive	Weakly Positive
Positive Control <sup>3</sup>	370 ± 15.3				
Positive Control <sup>4</sup>		240 ± 24.7	169 ± 13.0	530 ± 71.5	332 ± 24.6

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Test Compound: 1,2,3-Benzotriazole

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Date Report Requested: 09/16/2018

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	127 ± 7.3	147 ± 13.0	133 ± 10.4
33.0	139 ± 1.9	159 ± 16.5	152 ± 6.9
100.0	123 ± 9.2	160 ± 4.8	157 ± 5.4
333.0	134 ± 12.6	177 ± 7.4	145 ± 2.8
1000.0	117 ± 14.4	175 ± 3.7	146 ± 2.0
1666.0	69 ± 8.2 <sup>s</sup>	141 ± 6.9	146 ± 9.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		579 ± 18.3	1030 ± 21.5
Positive Control <sup>5</sup>	839 ± 219.2		

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Test Compound: 1,2,3-Benzotriazole

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 1.5	22 ± 4.2	20 ± 3.5
33.0	8 ± 0.3	21 ± 1.5	17 ± 0.6
100.0	10 ± 4.0	19 ± 4.3	16 ± 2.1
333.0	11 ± 2.3	19 ± 4.5	18 ± 4.4
1000.0	14 ± 3.3	15 ± 0.9	16 ± 2.1
1666.0	17 ± 2.4	20 ± 1.3	14 ± 3.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		324 ± 17.8	1140 ± 67.8
Positive Control <sup>6</sup>	596 ± 8.5		

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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 \*\***