

Experiment Number: 838263

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Isoproterenol hydrochloride

CAS Number: 51-30-9

Date Report Requested: 09/15/2018

Time Report Requested: 23:48:14

**NTP Study Number:**

838263

**Study Result:**

Negative

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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>	87 ± 5.5	87 ± 3.5	133 ± 8.4	137 ± 5.0	145 ± 5.0
100.0	100 ± 3.8	70 ± 5.0	141 ± 10.0	125 ± 14.4	126 ± 2.4
333.0	83 ± 4.9	97 ± 4.6	131 ± 5.8	140 ± 7.3	164 ± 18.5
1000.0	86 ± 2.3	109 ± 2.1	144 ± 5.5	134 ± 2.3	146 ± 7.1
3333.0	81 ± 8.2	106 ± 4.0	139 ± 1.9	142 ± 6.1	132 ± 3.2
10000.0	84 ± 4.5	86 ± 5.9	136 ± 4.9	121 ± 3.3	113 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			352 ± 31.1	381 ± 28.8	1198 ± 217.9
Positive Control <sup>3</sup>	347 ± 48.4	466 ± 112.5			

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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>	140 ± 13.5
100.0	145 ± 12.1
333.0	149 ± 7.9
1000.0	139 ± 3.1
3333.0	142 ± 12.5
10000.0	98 ± 9.5
Trial Summary	Negative
Positive Control <sup>2</sup>	1226 ± 21.7
Positive Control <sup>3</sup>	

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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>	4 ± 0.9	9 ± 0.9	5 ± 0.7	9 ± 3.0	6 ± 2.0
100.0	3 ± 0.3	4 ± 0.7	3 ± 1.3	8 ± 0.9	4 ± 2.5
333.0	2 ± 0.0	7 ± 3.2	4 ± 0.9	14 ± 1.7	5 ± 2.1
1000.0	2 ± 0.3	9 ± 2.4	4 ± 0.7	12 ± 3.0	4 ± 1.2
3333.0	2 ± 1.2	11 ± 2.0	2 ± 0.3	10 ± 1.2	6 ± 1.2
10000.0	2 ± 0.3	5 ± 1.0	1 ± 0.7	7 ± 1.7	2 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			46 ± 1.9	48 ± 6.8	34 ± 1.7
Positive Control <sup>3</sup>	202 ± 51.4	119 ± 2.9			

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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>	9 ± 1.2
100.0	12 ± 1.5
333.0	13 ± 2.7
1000.0	10 ± 1.8
3333.0	9 ± 0.3
10000.0	7 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	52 ± 8.7
Positive Control <sup>3</sup>	

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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>	2 ± 0.7	10 ± 1.2	3 ± 0.7	6 ± 2.0	4 ± 0.6
100.0	2 ± 1.0	6 ± 1.2	2 ± 0.3	9 ± 0.6	3 ± 0.0
333.0	2 ± 0.6	9 ± 2.8	2 ± 0.3	10 ± 1.5	3 ± 0.3
1000.0	3 ± 0.7	11 ± 0.9	3 ± 0.9	7 ± 0.9	3 ± 0.7
3333.0	1 ± 0.7	7 ± 0.9	3 ± 0.6	7 ± 0.9	2 ± 1.2
10000.0	1 ± 0.6	6 ± 2.0	2 ± 0.7	9 ± 1.2	3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			52 ± 20.7	47 ± 7.1	46 ± 13.3
Positive Control <sup>4</sup>	126 ± 70.2	334 ± 98.8			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 0.5
100.0	13 ± 1.5
333.0	13 ± 1.0
1000.0	8 ± 0.6
3333.0	10 ± 3.0
10000.0	10 ± 1.0
Trial Summary	Negative
Positive Control <sup>2</sup>	181 ± 15.1
Positive Control <sup>4</sup>	

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## 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>	12 ± 2.3	22 ± 2.6	18 ± 2.1	29 ± 3.8	16 ± 1.0
100.0	18 ± 3.5	19 ± 2.8	16 ± 1.2	20 ± 3.5	18 ± 0.9
333.0	16 ± 1.0	27 ± 5.5	18 ± 2.3	30 ± 3.5	19 ± 0.3
1000.0	17 ± 1.8	18 ± 1.2	17 ± 3.1	25 ± 3.3	16 ± 1.2
3333.0	17 ± 2.7	15 ± 3.0	21 ± 1.2	32 ± 1.5	18 ± 2.9
10000.0	15 ± 0.9	19 ± 0.3	19 ± 3.6	31 ± 3.3	20 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			60 ± 5.3	383 ± 77.0	251 ± 18.1
Positive Control <sup>5</sup>	81 ± 1.2	270 ± 108.2			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	32 ± 0.9
100.0	35 ± 4.1
333.0	31 ± 1.9
1000.0	28 ± 4.6
3333.0	31 ± 1.8
10000.0	34 ± 2.6
Trial Summary	Negative
Positive Control <sup>2</sup>	846 ± 59.0
Positive Control <sup>5</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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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