

Experiment Number: **842590**

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

**G06: Ames Summary Data**

Test Compound: **Dicyclohexylamine**

CAS Number: **101-83-7**

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

Time Report Requested: **00:41:19**

**NTP Study Number:**

842590

**Study Result:**

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	94 ± 4.7	104 ± 4.7	87 ± 1.5	101 ± 3.5	108 ± 8.8
10.0		98 ± 5.5	83 ± 1.5		
33.0		95 ± 2.3	80 ± 2.5		
100.0	89 ± 5.8	109 ± 5.4	78 ± 1.8	97 ± 6.9	129 ± 8.4
333.0	92 ± 4.5	91 ± 0.9	78 ± 1.0	120 ± 9.0	137 ± 17.3
1000.0	97 ± 4.5	83 ± 4.4	77 ± 4.7	115 ± 2.3	149 ± 5.7
3333.0	Toxic			122 ± 6.9	131 ± 3.0
10000.0	Toxic			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>				2291 ± 115.9	1368 ± 54.6
Positive Control <sup>3</sup>	357 ± 29.9	1617 ± 71.0	1130 ± 71.7		

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**Strain: TA100**

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	166 ± 3.2	95 ± 6.9	122 ± 8.3
10.0			
33.0			
100.0	160 ± 1.7	102 ± 1.3	112 ± 11.1
333.0	174 ± 10.8	109 ± 2.1	85 ± 3.3
1000.0	144 ± 6.2	105 ± 6.4	77 ± 4.5
3333.0	140 ± 6.4	96 ± 3.3	87 ± 2.3
10000.0	157 ± 8.5	82 ± 10.7	77 ± 2.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	1558 ± 235.2	887 ± 44.6	935 ± 83.4
Positive Control <sup>3</sup>			

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Test Compound: Dicyclohexylamine

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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>	8 ± 1.2	8 ± 1.3	9 ± 2.3	11 ± 1.2	13 ± 2.8
100.0	12 ± 1.9	7 ± 1.3	11 ± 1.2	9 ± 2.2	9 ± 1.2
333.0	11 ± 1.2	8 ± 1.2	9 ± 1.0	10 ± 1.3	8 ± 1.2
1000.0	14 ± 3.5	6 ± 1.5	11 ± 0.9	7 ± 0.6	9 ± 1.2
3333.0	11 ± 0.9	3 ± 0.3	10 ± 2.3	9 ± 2.0	7 ± 1.9
10000.0	4 ± 1.5	1 ± 0.9	5 ± 0.9	7 ± 1.5	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			318 ± 17.7	129 ± 13.1	535 ± 39.3
Positive Control <sup>3</sup>	1171 ± 32.9	913 ± 46.0			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 2.2
100.0	10 ± 0.3
333.0	11 ± 0.9
1000.0	6 ± 0.9
3333.0	10 ± 4.3
10000.0	4 ± 1.2
Trial Summary	Negative
Positive Control <sup>4</sup>	168 ± 4.6
Positive Control <sup>3</sup>	

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Test Compound: Dicyclohexylamine

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	11 ± 2.4	8 ± 1.5	7 ± 0.9	7 ± 2.2	15 ± 2.5
10.0		4 ± 0.7	6 ± 1.9		
33.0		6 ± 0.9	2 ± 1.0		
100.0	10 ± 0.9	5 ± 0.6	4 ± 1.5	6 ± 1.5	8 ± 2.3
333.0	8 ± 1.0	5 ± 1.5	2 ± 0.3	6 ± 1.5	7 ± 2.2
1000.0	Toxic	5 ± 0.9	2 ± 0.6	7 ± 1.7	7 ± 1.7
3333.0	0 ± 0.0			4 ± 0.9	3 ± 0.3
10000.0	0 ± 0.0			7 ± 1.2	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>				268 ± 30.4	261 ± 26.3
Positive Control <sup>5</sup>	213 ± 50.5	635 ± 333.4	398 ± 22.5		

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	14 ± 1.5	18 ± 3.0
10.0		
33.0		
100.0	15 ± 2.7	15 ± 0.3
333.0	10 ± 0.3	20 ± 0.5
1000.0	14 ± 1.9	16 ± 0.3
3333.0	14 ± 1.7	9 ± 0.3
10000.0	8 ± 3.2	10 ± 1.2
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>	229 ± 6.2	257 ± 21.4
Positive Control <sup>5</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>	14 ± 2.4	19 ± 1.7	23 ± 1.5	16 ± 1.9	35 ± 4.0
100.0	14 ± 3.1	13 ± 2.9	23 ± 2.2	20 ± 2.1	23 ± 1.2
333.0	13 ± 3.6	19 ± 3.5	19 ± 3.5	20 ± 3.6	43 ± 2.1
1000.0	12 ± 2.7	13 ± 0.9	21 ± 1.8	15 ± 3.5	39 ± 3.2
3333.0	11 ± 3.5	13 ± 1.2	24 ± 2.8	17 ± 1.5	38 ± 1.5
10000.0	6 ± 1.3	17 ± 1.5	18 ± 3.2	9 ± 1.7	31 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1957 ± 237.5	698 ± 8.2	951 ± 57.2
Positive Control <sup>6</sup>	216 ± 8.4	327 ± 16.8			



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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>	40 ± 9.5
100.0	38 ± 4.4
333.0	35 ± 2.3
1000.0	29 ± 2.5
3333.0	30 ± 4.4
10000.0	24 ± 3.6
Trial Summary	Negative
Positive Control <sup>2</sup>	1554 ± 84.7
Positive Control <sup>6</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: 3.3 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

\*\* END OF REPORT \*\*