

Experiment Number: A46724

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 09/17/2018

Time Report Requested: 03:10:21

**NTP Study Number:**

A46724

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	84 ± 1.0	97 ± 5.5	98 ± 7.5	107 ± 5.4	105 ± 8.1
0.1		87 ± 3.8			
0.3	86 ± 3.7	97 ± 6.7			
1.0	85 ± 2.3	100 ± 3.8			
3.0	88 ± 6.8	92 ± 6.1	103 ± 2.9		95 ± 1.5
10.0	85 ± 0.0	62 ± 3.8 <sup>s</sup>	98 ± 4.3	102 ± 5.2	89 ± 1.2
33.0	Toxic		94 ± 4.3	112 ± 6.7	88 ± 7.9
100.0			83 ± 2.5	97 ± 2.8	94 ± 3.2
333.0			22 ± 11.7 <sup>s</sup>	86 ± 1.9	57 ± 5.4 <sup>s</sup>
666.0				39 ± 5.8 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					522 ± 26.4
Positive Control <sup>3</sup>			428 ± 13.5		
Positive Control <sup>4</sup>	829 ± 11.4	792 ± 19.7			
Positive Control <sup>5</sup>				492 ± 35.4	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	92 ± 1.9
0.1	
0.3	
1.0	
3.0	
10.0	101 ± 0.3
33.0	90 ± 0.3
100.0	88 ± 5.8
333.0	87 ± 0.9
666.0	8 ± 5.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	612 ± 11.8
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 2.3	12 ± 2.3	15 ± 1.5	12 ± 1.8	11 ± 1.5
0.1	10 ± 0.9	11 ± 1.8			
0.3	8 ± 0.9	11 ± 1.5			
1.0	10 ± 0.3	10 ± 3.3			
3.0	11 ± 2.5	13 ± 2.1	12 ± 2.7	10 ± 1.0	10 ± 1.9
10.0	8 ± 1.2	6 ± 0.9	10 ± 1.9	11 ± 2.2	9 ± 0.3
33.0			12 ± 2.0	10 ± 2.3	9 ± 1.8
100.0			7 ± 0.6	15 ± 2.3	7 ± 0.6
333.0			9 ± 1.5	9 ± 1.5	4 ± 0.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					101 ± 7.3
Positive Control <sup>4</sup>	651 ± 20.4	443 ± 6.4			
Positive Control <sup>5</sup>			100 ± 6.1		
Positive Control <sup>6</sup>				119 ± 3.4	

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 0.9
0.1	
0.3	
1.0	
3.0	9 ± 2.6
10.0	9 ± 1.5
33.0	10 ± 1.9
100.0	8 ± 2.2
333.0	6 ± 0.6
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	263 ± 18.0
Positive Control <sup>6</sup>	

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	98 ± 9.0	115 ± 9.8	132 ± 15.3	162 ± 4.9	128 ± 6.3
0.0	0 ± 0.0				
0.1	112 ± 5.4	122 ± 6.7			
0.3	115 ± 4.8	133 ± 5.4			
1.0	119 ± 4.3	123 ± 10.7			
3.0	112 ± 9.4	141 ± 10.5	141 ± 8.1	154 ± 3.6	124 ± 3.6
10.0	118 ± 10.7	105 ± 7.8	154 ± 4.4	159 ± 3.8	144 ± 7.4
33.0			153 ± 8.2	165 ± 3.2	157 ± 3.8
100.0			152 ± 13.5	150 ± 2.8	158 ± 6.6
333.0			116 ± 7.4	155 ± 6.0	118 ± 9.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					447 ± 13.1
Positive Control <sup>3</sup>			325 ± 11.0		
Positive Control <sup>5</sup>				323 ± 20.0	
Positive Control <sup>7</sup>	341 ± 22.0	370 ± 32.7			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	151 ± 4.3
0.0	
0.1	
0.3	
1.0	
3.0	166 ± 6.0
10.0	172 ± 0.9
33.0	165 ± 3.5
100.0	153 ± 3.5
333.0	149 ± 7.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	439 ± 22.2
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 1.2	12 ± 2.9	13 ± 1.0	17 ± 1.5	20 ± 1.2
0.1		13 ± 1.5			
0.3	13 ± 1.8	15 ± 3.3			
1.0	16 ± 4.2	11 ± 0.6			
3.0	13 ± 2.2	9 ± 1.2	16 ± 0.9		16 ± 1.0
10.0	11 ± 1.2	11 ± 2.8	12 ± 1.0	14 ± 0.6	11 ± 1.0
33.0	9 ± 0.3 <sup>s</sup>		13 ± 3.2	13 ± 1.5	13 ± 1.3
100.0			15 ± 2.3	14 ± 0.3	10 ± 2.5
333.0			9 ± 0.7 <sup>s</sup>	11 ± 1.5	8 ± 3.3 <sup>s</sup>
666.0				7 ± 0.9 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					349 ± 4.7
Positive Control <sup>3</sup>			226 ± 5.0		
Positive Control <sup>8</sup>	287 ± 25.2	298 ± 21.1			
Positive Control <sup>5</sup>				223 ± 13.1	



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	17 ± 3.6
0.1	
0.3	
1.0	
3.0	
10.0	15 ± 2.4
33.0	14 ± 1.2
100.0	13 ± 2.6
333.0	12 ± 2.1
666.0	13 ± 1.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	265 ± 17.2
Positive Control <sup>8</sup>	
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: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

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