

Experiment Number: A92772

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diisopropylcarbodiimide

CAS Number: 693-13-0

Date Report Requested: 09/15/2018

Time Report Requested: 12:33:42

NTP Study Number:

A92772

Study Result:

Negative

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Test Compound: Diisopropylcarbodiimide
CAS Number: 693-13-0

Date Report Requested: 09/15/2018

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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 ¹	120 ± 3.6	110 ± 3.3	112 ± 5.5	152 ± 6.7	475 ± 359.3
0.0					0 ± 0.0
3.0	118 ± 3.8	108 ± 2.4			
10.0	124 ± 2.1	112 ± 1.8	111 ± 4.0	136 ± 2.9	97 ± 11.4
33.0	105 ± 3.6	116 ± 1.5	110 ± 4.3	139 ± 6.1	105 ± 8.5
100.0	112 ± 6.2	106 ± 0.6	101 ± 5.0	140 ± 7.4	105 ± 3.3
333.0	100 ± 6.9	57 ± 6.1	105 ± 8.0	129 ± 7.5	108 ± 3.5
1000.0			50 ± 9.5 ^s	132 ± 2.4	37 ± 6.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					453 ± 13.0
Positive Control ³			386 ± 7.0		
Positive Control ⁴	870 ± 14.7	833 ± 25.0			
Positive Control ⁵				366 ± 7.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	137 ± 3.8
0.0	
3.0	
10.0	137 ± 3.5
33.0	129 ± 7.9
100.0	118 ± 6.6
333.0	122 ± 4.6
1000.0	113 ± 6.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	415 ± 10.5
Positive Control ⁴	
Positive Control ⁵	

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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 ¹	9 ± 1.5	9 ± 1.7	7 ± 0.3	8 ± 1.2	8 ± 0.6
3.0	9 ± 2.0	11 ± 1.9			
10.0	8 ± 1.0	10 ± 2.6	6 ± 0.3	7 ± 0.7	8 ± 0.6
33.0	9 ± 2.4	8 ± 0.3	11 ± 2.2	11 ± 1.5	7 ± 1.2
100.0	8 ± 0.3	10 ± 2.2	9 ± 1.5	8 ± 2.4	9 ± 0.0
333.0	9 ± 1.5	6 ± 1.2	6 ± 0.7	8 ± 0.6	7 ± 1.8
1000.0			2 ± 0.3 ^s	8 ± 0.9	4 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					105 ± 5.2
Positive Control ⁴	851 ± 15.6	732 ± 7.9			
Positive Control ⁵			97 ± 10.3		
Positive Control ⁶				138 ± 8.4	

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CAS Number: 693-13-0

Date Report Requested: 09/15/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.7
3.0	
10.0	9 ± 1.5
33.0	8 ± 1.8
100.0	8 ± 1.2
333.0	8 ± 2.3
1000.0	9 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	198 ± 14.3
Positive Control ⁶	

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Test Compound: Diisopropylcarbodiimide
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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	105 ± 8.0	102 ± 2.5	138 ± 15.3	116 ± 7.7	136 ± 19.0
3.0	114 ± 7.0	102 ± 7.9			
10.0	112 ± 8.8	105 ± 1.8		123 ± 0.0	
33.0	117 ± 0.3	126 ± 7.2		111 ± 9.1	
66.0			102 ± 2.8		128 ± 0.9
100.0	108 ± 4.6	111 ± 3.5	110 ± 10.7	140 ± 7.1	112 ± 12.7
166.0			131 ± 3.5		136 ± 10.7
333.0	105 ± 3.3	116 ± 10.9	106 ± 3.8	140 ± 4.9	138 ± 17.0
666.0			87 ± 7.1		94 ± 9.3
1000.0				78 ± 6.1 ^s	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					
Positive Control ³			315 ± 22.3	330 ± 14.5	318 ± 21.3
Positive Control ⁵					
Positive Control ⁷	392 ± 11.9	387 ± 5.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	127 ± 7.9	155 ± 3.2	118 ± 10.2	147 ± 8.7	136 ± 4.3
3.0					119 ± 9.5
10.0	124 ± 4.1		109 ± 1.3		117 ± 2.0
33.0	118 ± 8.6		121 ± 6.9		138 ± 7.9
66.0		141 ± 1.0		140 ± 3.5	
100.0	135 ± 10.7	141 ± 3.3	120 ± 9.2	145 ± 8.2	125 ± 9.9
166.0		149 ± 11.8		168 ± 5.2	
333.0	141 ± 12.5	148 ± 1.7	153 ± 7.3	160 ± 8.2	108 ± 6.1
666.0		125 ± 16.8		123 ± 17.6	
1000.0	120 ± 5.8		62 ± 2.6 ^s		
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²		344 ± 17.4	393 ± 40.1	332 ± 21.0	
Positive Control ³					409 ± 8.5
Positive Control ⁵	374 ± 10.7				
Positive Control ⁷					

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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 ¹	22 ± 2.0	10 ± 1.7	14 ± 1.5	23 ± 1.9	15 ± 0.3
0.0				0 ± 0.0	
3.0	18 ± 0.9	11 ± 2.0			
10.0	19 ± 2.6	11 ± 0.9	10 ± 0.9	22 ± 2.0	17 ± 1.5
33.0	17 ± 1.5	10 ± 0.9	11 ± 2.0	22 ± 2.2	16 ± 1.5
100.0	17 ± 1.7	8 ± 0.6	14 ± 0.9	19 ± 1.5	9 ± 1.3
333.0	19 ± 2.9	8 ± 0.6	12 ± 1.5	21 ± 2.0	9 ± 0.9
1000.0			2 ± 0.9 ^s	22 ± 2.4	4 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					276 ± 21.4
Positive Control ³			168 ± 2.7		
Positive Control ⁸	374 ± 13.0	272 ± 3.9			
Positive Control ⁵				187 ± 15.1	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.2
0.0	
3.0	
10.0	20 ± 3.1
33.0	22 ± 2.1
100.0	21 ± 2.3
333.0	23 ± 2.2
1000.0	22 ± 3.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	328 ± 21.0
Positive Control ⁸	
Positive Control ⁵	

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LEGEND

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 ****