

Experiment Number: 956216

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

G06: Ames Summary Data

Test Compound: **4,4'-Diaminodicyclohexylmethane**

CAS Number: 1761-71-3

Date Report Requested: **09/17/2018**

Time Report Requested: **17:31:38**

NTP Study Number:

956216

Study Result:

Negative

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Test Compound: 4,4'-Diaminodicyclohexylmethane
CAS Number: 1761-71-3

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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 ¹	114 ± 8.2	90 ± 6.4	111 ± 0.9	98 ± 8.1	104 ± 2.9
33.0		82 ± 1.9		81 ± 3.5	
100.0	86 ± 9.6	84 ± 3.8	93 ± 9.3	106 ± 6.6	97 ± 5.2
333.0	97 ± 7.5	83 ± 3.2	131 ± 16.3	106 ± 8.5	118 ± 5.5
1000.0	60 ± 3.8	80 ± 3.3	126 ± 19.8	95 ± 3.3	115 ± 6.1
3333.0	38 ± 22.5 ^s	13 ± 13.0 ^s	117 ± 27.2	86 ± 6.3	114 ± 13.6
6666.0	Toxic		44 ± 11.3 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			523 ± 23.5	351 ± 22.9	1521 ± 82.5
Positive Control ³	452 ± 17.6	388 ± 4.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	103 ± 8.7
33.0	100 ± 7.5
100.0	97 ± 5.6
333.0	97 ± 9.5
1000.0	107 ± 3.5
3333.0	95 ± 11.5
6666.0	
Trial Summary	Negative
Positive Control ²	1111 ± 49.2
Positive Control ³	

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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 ¹	36 ± 2.6	20 ± 3.5	11 ± 1.7	9 ± 0.6	12 ± 3.8
33.0		15 ± 1.7		9 ± 0.7	
100.0	23 ± 1.5	17 ± 1.3	8 ± 1.3	8 ± 0.6	11 ± 3.2
333.0	21 ± 2.0	16 ± 1.0	12 ± 0.3	7 ± 0.3	8 ± 0.6
1000.0	12 ± 2.6	7 ± 0.7	7 ± 1.0	9 ± 1.5	10 ± 1.2
3333.0	5 ± 1.5 ^s	3 ± 3.0 ^s	9 ± 3.5	3 ± 0.3	12 ± 2.7 ^s
6666.0	Toxic		0 ± 0.0 ^s		5 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	448 ± 1.0	410 ± 15.2			
Positive Control ⁴			185 ± 3.8	168 ± 21.2	476 ± 26.5

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Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.1
33.0	8 ± 2.6
100.0	11 ± 2.3
333.0	11 ± 1.5
1000.0	6 ± 0.6
3333.0	15 ± 0.6
6666.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	369 ± 20.8

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Test Compound: 4,4'-Diaminodicyclohexylmethane
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Date Report Requested: 09/17/2018

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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 ¹	9 ± 0.6	5 ± 0.3	9 ± 3.7	6 ± 0.9	8 ± 2.3
33.0		5 ± 1.3		9 ± 1.3	
100.0	6 ± 0.3	5 ± 1.2	6 ± 1.5	5 ± 2.7	8 ± 0.7
333.0	8 ± 1.9	3 ± 0.7	8 ± 2.3	9 ± 0.7	5 ± 0.3
1000.0	7 ± 0.7	7 ± 0.9	4 ± 0.3	5 ± 1.0	6 ± 0.9
3333.0	8 ± 2.1	1 ± 0.7 ^s	2 ± 0.3	4 ± 1.0	5 ± 1.2
6666.0	4 ± 1.5 ^s		0 ± 0.0 ^s		3 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			149 ± 9.0	124 ± 11.9	316 ± 24.9
Positive Control ⁵	137 ± 24.3	521 ± 48.1			

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Date Report Requested: 09/17/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.7
33.0	4 ± 1.5
100.0	7 ± 1.2
333.0	6 ± 0.9
1000.0	6 ± 3.8
3333.0	5 ± 0.7
6666.0	
Trial Summary	Negative
Positive Control ⁴	426 ± 15.5
Positive Control ⁵	

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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 ¹	19 ± 2.4	16 ± 1.7	32 ± 1.9	20 ± 4.1	29 ± 3.6
33.0		13 ± 0.7		20 ± 3.3	
100.0	14 ± 0.3	13 ± 2.1	22 ± 1.9	21 ± 2.4	25 ± 2.2
333.0	11 ± 4.0	12 ± 1.0	27 ± 4.9	22 ± 2.2	31 ± 2.9
1000.0	9 ± 2.9	12 ± 2.4	27 ± 4.6	30 ± 0.9	30 ± 4.0
3333.0	4 ± 2.3 ^s	10 ± 2.2 ^s	25 ± 5.9	33 ± 2.2	20 ± 7.0 ^s
6666.0	0 ± 0.0 ^s		8 ± 4.1 ^s		10 ± 3.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			391 ± 11.1	444 ± 76.4	1573 ± 74.7
Positive Control ⁶	738 ± 13.0	421 ± 1.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 3.7
33.0	25 ± 2.6
100.0	33 ± 3.2
333.0	31 ± 1.2
1000.0	34 ± 3.9
3333.0	39 ± 1.3
6666.0	
Trial Summary	Negative
Positive Control ²	1365 ± 55.1
Positive Control ⁶	

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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: 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 ****