

Experiment Number: 623426

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichloroaniline

CAS Number: 95-76-1

Date Report Requested: 09/10/2018

Time Report Requested: 16:26:10

NTP Study Number:

623426

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 ¹	112 ± 5.8	110 ± 6.4	110 ± 4.7	131 ± 11.0	117 ± 3.5
3.0		116 ± 2.7		129 ± 5.4	
10.0	116 ± 5.4	112 ± 4.1	115 ± 9.8	147 ± 4.4	123 ± 7.8
33.0	110 ± 10.1	119 ± 3.2	109 ± 4.5	158 ± 6.4	150 ± 4.9
100.0	114 ± 9.3	115 ± 3.5	106 ± 5.5	137 ± 2.9	133 ± 9.6
333.0	83 ± 6.8	106 ± 3.2	101 ± 0.7	121 ± 10.7	124 ± 12.6
666.0	Toxic		7 ± 4.5 ^s		
1000.0					54 ± 13.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	451 ± 13.0	424 ± 24.6			
Positive Control ³			610 ± 9.9	617 ± 19.4	1723 ± 53.7

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	121 ± 7.8
3.0	
10.0	141 ± 5.3
33.0	143 ± 2.0
100.0	138 ± 11.1
333.0	124 ± 2.4
666.0	
1000.0	2 ± 2.3 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	569 ± 27.5

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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	29 ± 2.0	25 ± 2.3	11 ± 1.7	13 ± 1.5	12 ± 1.7
3.0		23 ± 2.0		16 ± 1.2	
10.0	32 ± 5.7	16 ± 1.2	10 ± 1.5	12 ± 2.2	10 ± 2.6
33.0	29 ± 4.4	17 ± 2.5	14 ± 0.6	12 ± 1.3	10 ± 2.9
100.0	29 ± 1.5	26 ± 3.2	10 ± 1.9	10 ± 2.3	10 ± 1.5
333.0	34 ± 3.2	20 ± 1.8	9 ± 2.6	12 ± 3.5	9 ± 1.8
666.0	Toxic		4 ± 1.3 ^s		
1000.0					4 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	537 ± 15.3	389 ± 11.7			
Positive Control ⁴			205 ± 9.6	166 ± 8.4	627 ± 8.1

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.5
3.0	
10.0	10 ± 1.2
33.0	8 ± 0.9
100.0	10 ± 3.5
333.0	9 ± 1.5
666.0	
1000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	382 ± 26.0

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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 ¹	122 ± 4.0	163 ± 5.5	152 ± 2.0	183 ± 4.2	162 ± 13.5
3.0		193 ± 6.0		191 ± 10.7	
10.0	127 ± 7.3	202 ± 8.8	178 ± 3.3	176 ± 9.3	177 ± 10.3
33.0	117 ± 9.3	194 ± 8.5	180 ± 6.4	188 ± 3.8	178 ± 8.1
100.0	123 ± 3.2	187 ± 11.7	173 ± 4.3	170 ± 8.1	193 ± 7.8
333.0	105 ± 12.8	114 ± 5.5	167 ± 2.8	166 ± 7.2	187 ± 8.1
666.0	Toxic		33 ± 31.7 ^s		
1000.0					87 ± 13.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1111 ± 10.9	469 ± 29.1	1852 ± 2.8
Positive Control ⁵	1387 ± 77.1	1118 ± 41.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	160 ± 15.5
3.0	
10.0	147 ± 1.5
33.0	168 ± 10.1
100.0	179 ± 11.0
333.0	185 ± 12.2
666.0	
1000.0	27 ± 27.3 ^s
Trial Summary	Negative
Positive Control ⁴	609 ± 5.8
Positive Control ⁵	

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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	20 ± 2.3	16 ± 1.2	24 ± 2.1	26 ± 4.0	34 ± 2.4
3.0		17 ± 0.6		32 ± 1.5	
10.0	19 ± 1.2	15 ± 1.5	21 ± 3.3	26 ± 2.5	33 ± 4.5
33.0	16 ± 2.3	14 ± 1.2	27 ± 1.0	27 ± 1.3	40 ± 1.5
100.0	14 ± 2.2	16 ± 0.9	29 ± 4.6	34 ± 1.3	36 ± 7.4
333.0	12 ± 1.5	14 ± 0.3	33 ± 2.6	27 ± 2.7	45 ± 3.0
666.0	Toxic		4 ± 2.3 ^s		
1000.0					32 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			318 ± 28.5	340 ± 10.8	1000 ± 14.2
Positive Control ⁶	1101 ± 68.3	718 ± 15.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 5.8
3.0	
10.0	26 ± 1.5
33.0	23 ± 1.5
100.0	34 ± 3.8
333.0	30 ± 2.3
666.0	
1000.0	1 ± 0.7 ^s
Trial Summary	Negative
Positive Control ³	203 ± 5.7
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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

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 ****