

Experiment Number: A40138

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,5-Dichloroaniline

CAS Number: 626-43-7

Date Report Requested: 09/16/2018

Time Report Requested: 21:38:07

NTP Study Number:

A40138

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	102 ± 3.8	84 ± 3.1	100 ± 5.8	132 ± 8.8	95 ± 5.8
3.0	95 ± 3.0	83 ± 6.1	94 ± 2.4		101 ± 2.0
10.0	101 ± 11.5	85 ± 3.0	94 ± 7.6	97 ± 3.8	91 ± 1.3
33.0	103 ± 4.9	97 ± 5.4	102 ± 9.2	102 ± 4.5	100 ± 5.2
100.0	91 ± 1.2	108 ± 10.4	116 ± 6.5	98 ± 4.2	112 ± 5.9
166.0	66 ± 5.5 ^s	83 ± 2.9 ^s			
333.0			47 ± 13.2 ^s	101 ± 4.5	83 ± 3.5 ^s
666.0				68 ± 5.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					683 ± 14.7
Positive Control ³			669 ± 21.6		
Positive Control ⁴	943 ± 19.4	815 ± 27.7			
Positive Control ⁵				569 ± 29.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	126 ± 5.7
3.0	
10.0	99 ± 4.3
33.0	108 ± 1.5
100.0	98 ± 6.2
166.0	
333.0	93 ± 3.5
666.0	55 ± 6.9 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	675 ± 43.2
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	7 ± 0.3	8 ± 0.6	9 ± 1.7	10 ± 1.5	8 ± 1.5
3.0	13 ± 1.3	8 ± 1.9	9 ± 1.0		10 ± 1.0
10.0	9 ± 1.2	8 ± 2.4	6 ± 0.3	9 ± 1.8	7 ± 1.2
33.0	9 ± 2.2	12 ± 1.8	5 ± 1.8	7 ± 0.7	7 ± 1.2
100.0	8 ± 1.9	9 ± 1.8	8 ± 0.9	7 ± 1.5	7 ± 0.3
166.0	7 ± 0.3 ^s	12 ± 0.3 ^s			
333.0			5 ± 0.0 ^s	6 ± 0.3	4 ± 0.3 ^s
666.0				4 ± 0.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					129 ± 2.9
Positive Control ⁵			107 ± 7.8		
Positive Control ⁴	955 ± 41.0	831 ± 18.3			
Positive Control ⁶				158 ± 7.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.7
3.0	
10.0	6 ± 1.2
33.0	8 ± 2.7
100.0	9 ± 2.2
166.0	
333.0	7 ± 1.3
666.0	3 ± 0.3 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	171 ± 0.9
Positive Control ⁴	
Positive Control ⁶	

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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	104 ± 2.3	109 ± 3.1	128 ± 10.9	123 ± 6.7	110 ± 7.5
3.0	112 ± 3.2	104 ± 3.2	124 ± 6.1		117 ± 2.0
10.0	108 ± 6.0	101 ± 9.3	132 ± 1.2	103 ± 6.5	96 ± 7.5
33.0	105 ± 7.3	106 ± 4.3	116 ± 5.4	125 ± 5.5	107 ± 11.5
100.0	109 ± 4.0	110 ± 11.9	114 ± 4.8	119 ± 10.9	117 ± 6.2
166.0	51 ± 4.4 ^s	62 ± 12.8 ^s			
333.0			44 ± 6.6 ^s	116 ± 6.7	75 ± 6.2 ^s
666.0				59 ± 14.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					659 ± 24.6
Positive Control ³			643 ± 17.8		
Positive Control ⁵				567 ± 23.7	
Positive Control ⁷	460 ± 19.8	535 ± 16.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	115 ± 2.5
3.0	
10.0	111 ± 3.8
33.0	110 ± 2.5
100.0	133 ± 1.0
166.0	
333.0	113 ± 7.8
666.0	49 ± 9.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	605 ± 6.4
Positive Control ⁵	
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	14 ± 1.8	15 ± 2.9	12 ± 1.3	22 ± 0.7	26 ± 1.5
3.0	13 ± 2.6	15 ± 2.4	22 ± 2.0		25 ± 4.4
10.0	14 ± 1.9	13 ± 0.6	16 ± 2.4	18 ± 4.3	25 ± 2.3
33.0	15 ± 2.0	16 ± 1.7	22 ± 3.1	22 ± 2.0	20 ± 0.6
100.0	14 ± 0.7	15 ± 1.5	23 ± 2.5	20 ± 3.9	26 ± 4.4
166.0	6 ± 1.5 ^x	21 ± 12.1 ^s			
333.0			4 ± 4.0 ^x	19 ± 2.4	16 ± 3.3 ^s
666.0				10 ± 3.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					659 ± 24.6
Positive Control ³			643 ± 17.8		
Positive Control ⁸	371 ± 27.8	341 ± 14.4			
Positive Control ⁵				457 ± 21.6	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 2.7
3.0	
10.0	21 ± 2.6
33.0	18 ± 2.6
100.0	24 ± 5.7
166.0	
333.0	26 ± 1.7
666.0	7 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	499 ± 12.2
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

x: Slight Toxicity and Precipitate

**** END OF REPORT ****