

Experiment Number: A20180

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,5-Dichlorobenzoic acid

CAS Number: 51-36-5

Date Report Requested: 09/16/2018

Time Report Requested: 09:36:36

NTP Study Number:

A20180

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	159 ± 9.7	98 ± 5.8	138 ± 6.2	148 ± 0.7	127 ± 1.5
10.0	145 ± 6.7	127 ± 3.8			
33.0	146 ± 2.1	117 ± 7.5	144 ± 16.4	164 ± 3.0	131 ± 14.8
100.0	137 ± 12.5	117 ± 5.5	128 ± 9.5	163 ± 10.5	137 ± 4.9
333.0	141 ± 7.3	111 ± 3.7	110 ± 5.5	147 ± 3.8	125 ± 1.9
1000.0	117 ± 4.3	94 ± 10.2	112 ± 1.2	142 ± 6.3	104 ± 3.4
3333.0			Toxic	116 ± 4.7	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			598 ± 7.7	342 ± 14.4	1731 ± 31.6
Positive Control ³	578 ± 18.7	552 ± 7.8			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 1.2
10.0	
33.0	166 ± 6.6
100.0	162 ± 3.8
333.0	146 ± 5.9
1000.0	131 ± 7.2
3333.0	139 ± 13.3
Trial Summary	Negative
Positive Control ²	907 ± 30.3
Positive Control ³	

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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	12 ± 2.6	14 ± 0.9	7 ± 1.2	10 ± 2.4	12 ± 2.0
10.0	10 ± 3.0	16 ± 1.7			
33.0	11 ± 2.3	14 ± 3.2	13 ± 2.1	13 ± 2.9	11 ± 2.8
100.0	8 ± 0.7	13 ± 2.2	10 ± 2.4	10 ± 1.5	9 ± 2.3
333.0	14 ± 2.6	13 ± 0.9	7 ± 1.2	8 ± 4.2	7 ± 1.2
1000.0	9 ± 2.2	11 ± 2.1	10 ± 2.2	10 ± 1.7	8 ± 2.6
3333.0			11 ± 1.3	6 ± 1.7 ^p	9 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			70 ± 5.4	57 ± 2.3	163 ± 6.1
Positive Control ³	464 ± 7.1	408 ± 19.0			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 3.0
10.0	
33.0	10 ± 2.2
100.0	15 ± 1.7
333.0	15 ± 1.9
1000.0	12 ± 3.0
3333.0	3 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	139 ± 5.3
Positive Control ³	

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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	86 ± 3.5	118 ± 3.8	153 ± 1.7	240 ± 9.1	141 ± 10.1
10.0	104 ± 5.7	101 ± 8.2			
33.0	96 ± 13.1	95 ± 7.7	156 ± 9.8	209 ± 8.1	146 ± 4.7
100.0	75 ± 5.8	89 ± 2.1	162 ± 11.1	234 ± 11.2	141 ± 15.7
333.0	Toxic	Toxic	101 ± 6.4	152 ± 17.7	140 ± 2.9
1000.0	Toxic	Toxic	Toxic	Toxic	92 ± 19.0
3333.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			597 ± 9.2	374 ± 17.6	1205 ± 22.6
Positive Control ⁴	358 ± 20.6	338 ± 23.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	209 ± 12.6
10.0	
33.0	192 ± 2.3
100.0	178 ± 12.5
333.0	159 ± 4.1
1000.0	Toxic
3333.0	Toxic
Trial Summary	Negative
Positive Control ²	941 ± 15.0
Positive Control ⁴	

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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	18 ± 4.6	22 ± 2.0	34 ± 9.3	30 ± 3.1	37 ± 3.2
10.0	25 ± 3.5	23 ± 3.8			
33.0	18 ± 2.8	25 ± 6.9	26 ± 4.7	28 ± 1.8	26 ± 4.7
100.0	14 ± 1.5	21 ± 2.1	30 ± 4.2	31 ± 2.9	30 ± 4.2
333.0	15 ± 0.9	18 ± 1.2	22 ± 4.5	33 ± 2.2	22 ± 4.5
1000.0	13 ± 4.3	21 ± 5.0	22 ± 6.9	25 ± 2.6	22 ± 6.9
3333.0			23 ± 1.9	19 ± 2.7 ^p	23 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			947 ± 13.5	182 ± 2.7	2094 ± 52.0
Positive Control ⁵	112 ± 1.8	113 ± 8.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	30 ± 0.6
10.0	
33.0	23 ± 3.5
100.0	24 ± 0.3
333.0	32 ± 0.3
1000.0	29 ± 2.7
3333.0	28 ± 2.6 ^p
Trial Summary	Negative
Positive Control ²	844 ± 21.7
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: 1.0 ug/Plate Sodium Azide

4: 50.0 ug/Plate 9-Aminoacridine

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **