

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

NTP Study Number:

024578

Study Result:

Negative

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 6.0	101 ± 13.0	124 ± 11.6	137 ± 5.9	120 ± 1.2
100.0	99 ± 6.1	108 ± 8.1	128 ± 2.8	146 ± 13.0	120 ± 9.7
333.0	112 ± 6.9	102 ± 3.6	129 ± 4.2	158 ± 7.7	113 ± 5.2
1000.0	128 ± 3.9	117 ± 7.5	126 ± 4.9	143 ± 5.3	128 ± 13.5
3333.0	109 ± 8.8	102 ± 2.8	136 ± 23.8 ^p	142 ± 4.0 ^p	112 ± 6.9 ^p
10000.0	111 ± 11.8	92 ± 1.8	118 ± 7.3 ^p	126 ± 14.3 ^p	120 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					699 ± 20.9
Positive Control ³	585 ± 9.2	546 ± 8.8			
Positive Control ⁴			696 ± 9.9		
Positive Control ⁵					
Positive Control ⁶				1132 ± 32.9	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	136 ± 3.6
100.0	126 ± 3.7
333.0	119 ± 8.3
1000.0	128 ± 3.5
3333.0	131 ± 4.8 ^P
10000.0	141 ± 6.4 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	478 ± 2.8
Positive Control ⁶	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

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 ± 1.0	11 ± 1.2	10 ± 2.3	12 ± 2.7	13 ± 1.5
100.0	9 ± 2.1	14 ± 3.5	10 ± 0.9	9 ± 1.7	14 ± 0.7
333.0	9 ± 1.5	14 ± 0.7	13 ± 2.1	12 ± 2.1	12 ± 3.4
1000.0	8 ± 0.7	6 ± 0.6	10 ± 2.6	14 ± 0.7	9 ± 1.2
3333.0	10 ± 1.2	5 ± 1.2	8 ± 1.2 ^P	7 ± 0.3 ^P	7 ± 0.9 ^P
10000.0	5 ± 0.9	5 ± 1.8	7 ± 2.0 ^P	8 ± 0.7 ^P	6 ± 0.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					63 ± 2.2
Positive Control ³	257 ± 8.7	325 ± 11.5			
Positive Control ⁵					
Positive Control ⁶			147 ± 7.2	112 ± 13.4	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.1
100.0	11 ± 1.5
333.0	10 ± 3.7
1000.0	10 ± 1.5
3333.0	7 ± 1.5 ^p
10000.0	6 ± 1.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	55 ± 5.7
Positive Control ⁶	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 3.8	125 ± 3.0	134 ± 6.3	227 ± 5.4	154 ± 8.2
100.0	134 ± 14.4	139 ± 1.9	134 ± 7.8	230 ± 16.5	155 ± 3.7
333.0	128 ± 10.4	128 ± 5.3	132 ± 7.1	219 ± 10.2	127 ± 4.6
1000.0	132 ± 6.2	120 ± 9.0	135 ± 3.8	208 ± 1.5	131 ± 1.5
3333.0	137 ± 7.2	105 ± 12.3	110 ± 6.7 ^P	221 ± 16.2 ^P	110 ± 6.3 ^P
10000.0	83 ± 5.9	0 ± 0.0	1 ± 0.3 ^P	135 ± 18.8 ^P	4 ± 2.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1175 ± 26.0
Positive Control ⁶			1440 ± 18.3	666 ± 27.0	
Positive Control ⁷	767 ± 65.3	1464 ± 108.3			

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	186 ± 3.4
100.0	187 ± 4.6
333.0	201 ± 4.1
1000.0	196 ± 12.0
3333.0	158 ± 9.6 ^P
10000.0	161 ± 9.5 ^P
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	1223 ± 9.4
Positive Control ⁷	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 0.6	17 ± 1.5	27 ± 2.6	22 ± 5.4	20 ± 2.3
100.0	26 ± 3.7	17 ± 2.5	19 ± 2.5	24 ± 1.9	24 ± 0.9
333.0	20 ± 1.2	18 ± 0.9	26 ± 1.2	26 ± 3.4	24 ± 2.3
1000.0	27 ± 1.0	18 ± 2.2	25 ± 3.7	26 ± 3.0	22 ± 1.8
3333.0	25 ± 1.5	19 ± 2.9	23 ± 2.3 ^p	21 ± 2.3 ^p	15 ± 3.0 ^p
10000.0	7 ± 1.5	10 ± 2.0	17 ± 1.0 ^p	6 ± 0.9 ^p	13 ± 1.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			314 ± 16.0		743 ± 4.3
Positive Control ⁸	277 ± 23.4	355 ± 9.4			
Positive Control ⁵				244 ± 28.4	

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 1.2
100.0	25 ± 8.0
333.0	22 ± 2.6
1000.0	22 ± 3.6
3333.0	23 ± 0.9 ^P
10000.0	8 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	527 ± 28.0

Experiment Number: 024578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,5-Dichlorobenzoic acid

CAS Number: 50-79-3

Date Report Requested: 09/14/2018

Time Report Requested: 13:16:16

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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****