

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

NTP Study Number:

A24437

Study Result:

Negative

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	113 ± 1.3	120 ± 5.5	117 ± 0.3	151 ± 5.2	116 ± 6.7
3.0	135 ± 3.5	109 ± 4.1			
10.0	112 ± 7.2	102 ± 8.5			122 ± 13.2
33.0	125 ± 6.4	112 ± 8.4	120 ± 4.4	151 ± 0.3	108 ± 3.2
100.0	130 ± 3.7	116 ± 6.7	117 ± 7.9	161 ± 13.6	120 ± 10.5
333.0	135 ± 6.9	116 ± 2.5	105 ± 8.4	140 ± 1.2	93 ± 3.3
1000.0			108 ± 4.4	125 ± 7.8	110 ± 12.7
3333.0			Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			632 ± 9.5	553 ± 38.0	1682 ± 120.0
Positive Control ³	533 ± 15.6	417 ± 19.3			

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	157 ± 8.1
3.0	
10.0	141 ± 9.0
33.0	156 ± 4.9
100.0	147 ± 4.3
333.0	138 ± 5.8
1000.0	121 ± 3.3
3333.0	
Trial Summary	Negative
Positive Control ²	797 ± 8.3
Positive Control ³	

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

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	7 ± 1.2	17 ± 4.0	10 ± 2.4	7 ± 0.6
3.0	4 ± 2.3	13 ± 2.9			
10.0	12 ± 3.2	14 ± 3.1			11 ± 3.5
33.0	11 ± 4.4	12 ± 3.8	10 ± 3.5	12 ± 2.5	7 ± 0.3
100.0	9 ± 2.6	10 ± 1.3	10 ± 1.0	9 ± 2.7	11 ± 2.3
333.0	8 ± 2.0	12 ± 1.8	8 ± 0.3	10 ± 1.2	12 ± 1.9
1000.0			14 ± 0.9	11 ± 1.8	7 ± 1.5
3333.0			6 ± 1.3	9 ± 0.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			79 ± 6.9	57 ± 2.3	214 ± 4.8
Positive Control ³	464 ± 7.1	404 ± 10.7			

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 3.0
3.0	
10.0	12 ± 1.3
33.0	11 ± 2.0
100.0	9 ± 2.0
333.0	13 ± 3.1
1000.0	13 ± 3.1
3333.0	
Trial Summary	Negative
Positive Control ²	139 ± 5.3
Positive Control ³	

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	88 ± 4.7	89 ± 4.7	168 ± 5.8	151 ± 4.0	194 ± 5.6
1.0				125 ± 12.3	
3.0	84 ± 4.9	74 ± 14.2		139 ± 2.9	
10.0	94 ± 5.0	78 ± 5.4		118 ± 7.9	
33.0	101 ± 5.0	51 ± 7.8 ^s	151 ± 3.7	111 ± 11.7 ^s	
100.0	74 ± 1.5	Toxic	145 ± 9.2	97 ± 6.0 ^s	188 ± 10.8
333.0	56 ± 4.5	Toxic	146 ± 10.4		176 ± 3.5
1000.0			139 ± 4.8		148 ± 6.7
3333.0			133 ± 6.5		150 ± 6.2
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			512 ± 15.0	385 ± 27.4	
Positive Control ⁴					520 ± 31.0
Positive Control ⁵	327 ± 18.7	253 ± 11.3			

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	168 ± 10.7	222 ± 6.8
1.0		
3.0		
10.0	140 ± 8.3	187 ± 7.0
33.0	129 ± 6.8	189 ± 5.7
100.0	123 ± 1.9	175 ± 3.8
333.0	128 ± 3.8	110 ± 3.3 ^s
1000.0	127 ± 3.2	Toxic
3333.0		
10000.0		
Trial Summary	Negative	Negative
Positive Control ²	1117 ± 14.7	596 ± 27.8
Positive Control ⁴		
Positive Control ⁵		

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

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 ± 1.0	32 ± 3.2	41 ± 4.0	37 ± 3.8	34 ± 8.4
3.0	25 ± 2.9	26 ± 3.9			
10.0	22 ± 2.5	25 ± 3.6			35 ± 2.5
33.0	21 ± 4.8	20 ± 4.5	33 ± 1.7	35 ± 2.3	33 ± 2.9
100.0	29 ± 4.9	23 ± 3.7	33 ± 3.8	28 ± 0.9	31 ± 3.6
333.0	19 ± 0.9	26 ± 1.2	32 ± 3.5	34 ± 1.8	38 ± 1.7
1000.0			25 ± 9.2	28 ± 3.5	28 ± 0.3
3333.0			24 ± 2.9	18 ± 5.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			652 ± 11.8	216 ± 17.4	1883 ± 22.3
Positive Control ⁶	101 ± 8.4	147 ± 1.5			

Experiment Number: A24437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4-Dichlorobenzoic acid

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 3.5
3.0	
10.0	31 ± 3.8
33.0	37 ± 2.7
100.0	35 ± 6.9
333.0	33 ± 3.2
1000.0	27 ± 6.1
3333.0	
Trial Summary	Negative
Positive Control ²	995 ± 22.8
Positive Control ⁶	

Experiment Number: A24437

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzoic acid**

CAS Number: 51-44-5

Date Report Requested: 09/16/2018

Time Report Requested: 14:12:39

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: 2.0 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****