

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

NTP Study Number:

A65679

Study Result:

Negative

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	152 ± 37.4	170 ± 12.0	178 ± 9.2	190 ± 11.3	156 ± 4.1
100.0	120 ± 9.6	171 ± 3.8	208 ± 8.0	190 ± 17.1	146 ± 10.5
333.0	130 ± 1.7	181 ± 4.6	186 ± 12.4	181 ± 17.3	138 ± 5.2
1000.0	115 ± 2.7	164 ± 14.3	176 ± 27.6	181 ± 11.1	141 ± 6.2
3333.0	111 ± 3.1	163 ± 15.4	156 ± 22.0	118 ± 3.9 ^s	127 ± 8.3
6667.0	116 ± 5.2				134 ± 10.1 ^s
10000.0		127 ± 6.1 ^s	Toxic	65 ± 26.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	572 ± 35.5	543 ± 17.6	512 ± 22.0		
Positive Control ⁴				967 ± 36.8	
Positive Control ⁵					
Positive Control ⁶					487 ± 64.9

Experiment Number: A65679
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

Date Report Requested: 09/17/2018
Time Report Requested: 13:23:14

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	192 ± 6.1	168 ± 9.6
100.0	220 ± 10.2	154 ± 7.8
333.0	217 ± 6.1	161 ± 3.2
1000.0	197 ± 7.8	151 ± 2.1
3333.0	121 ± 6.4 ^s	134 ± 11.0
6667.0		145 ± 10.4 ^s
10000.0	38 ± 33.0 ^s	
Trial Summary	Negative	Negative
Positive Control ²	1350 ± 47.2	
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵		745 ± 287.9
Positive Control ⁶		

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 0.6	25 ± 0.0	18 ± 1.5	14 ± 2.0	14 ± 1.5
100.0	16 ± 2.2	21 ± 0.6	19 ± 1.2	9 ± 1.3	14 ± 2.1
333.0	14 ± 0.9	23 ± 1.2	23 ± 2.5	13 ± 1.2	12 ± 3.5
1000.0	16 ± 1.5	22 ± 1.2	22 ± 3.7	12 ± 1.7	15 ± 1.8
3333.0	16 ± 0.9	21 ± 1.5	16 ± 1.2 ^s	12 ± 2.6 ^s	14 ± 1.9
10000.0	7 ± 0.9 ^s	Toxic	Toxic	2 ± 1.2 ^s	1 ± 1.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	242 ± 21.6	270 ± 26.4			
Positive Control ⁵					157 ± 10.8
Positive Control ⁶			175 ± 26.0	130 ± 6.8	

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.8
100.0	17 ± 2.3
333.0	19 ± 2.6
1000.0	23 ± 4.1
3333.0	18 ± 2.4 ^s
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	72 ± 12.3
Positive Control ³	
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	123 ± 10.3	143 ± 13.0	159 ± 3.5	201 ± 21.5	162 ± 8.3
33.0		162 ± 9.8	160 ± 6.0		150 ± 7.0
100.0	139 ± 3.7	153 ± 1.8	174 ± 6.2	174 ± 13.1	131 ± 2.0
333.0	127 ± 16.9	155 ± 7.5	176 ± 12.7	172 ± 8.1	153 ± 7.2
1000.0	117 ± 5.5	148 ± 3.8	151 ± 5.0	164 ± 25.4	134 ± 7.2
3333.0	68 ± 28.0 ^s	135 ± 16.7 ^s	81 ± 3.5 ^s	118 ± 10.4 ^s	111 ± 8.1 ^s
10000.0	2 ± 1.5 ^s			119 ± 1.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1176 ± 61.6
Positive Control ⁶			1300 ± 154.1	650 ± 19.8	
Positive Control ⁷	617 ± 15.5	864 ± 104.0			

Experiment Number: A65679
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

Date Report Requested: 09/17/2018
Time Report Requested: 13:23:14

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	154 ± 11.3
33.0	
100.0	153 ± 12.8
333.0	161 ± 12.7
1000.0	143 ± 14.2
3333.0	125 ± 16.4 ^s
10000.0	105 ± 12.2 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	1009 ± 104.5
Positive Control ⁷	

Experiment Number: A65679

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,2-Dichloropropane

CAS Number: 594-20-7

Date Report Requested: 09/17/2018

Time Report Requested: 13:23:14

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	11 ± 1.5	17 ± 2.3	23 ± 1.5	34 ± 1.9	18 ± 1.5
100.0	13 ± 1.7	18 ± 1.2	25 ± 1.0	29 ± 3.2	19 ± 2.3
333.0	10 ± 0.6	12 ± 1.5	29 ± 1.5	29 ± 3.2	15 ± 1.5
1000.0	7 ± 3.2	17 ± 2.7	23 ± 3.4	27 ± 2.9	11 ± 3.3
3333.0	7 ± 0.9	17 ± 3.2	18 ± 2.6	15 ± 1.8 ^s	10 ± 2.5
6667.0	8 ± 1.7				10 ± 1.2 ^s
10000.0		9 ± 4.7 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				229 ± 47.3	
Positive Control ⁸	72 ± 13.6	163 ± 4.3	88 ± 3.8		
Positive Control ⁵					150 ± 2.6

Experiment Number: A65679
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

Date Report Requested: 09/17/2018
Time Report Requested: 13:23:14

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	30 ± 3.2	14 ± 0.6
100.0	36 ± 3.5	14 ± 2.2
333.0	31 ± 1.7	14 ± 0.7
1000.0	33 ± 2.2	16 ± 1.7
3333.0	22 ± 2.6 ^s	11 ± 0.9
6667.0		13 ± 1.2 ^s
10000.0	0 ± 0.0 ^s	
Trial Summary	Negative	Negative
Positive Control ²	955 ± 62.1	
Positive Control ⁸		
Positive Control ⁵		1114 ± 77.2

Experiment Number: A65679
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

Date Report Requested: 09/17/2018
Time Report Requested: 13:23:14

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
- s: Slight Toxicity

** END OF REPORT **