

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

NTP Study Number:

964969

Study Result:

Positive

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	120 ± 14.4	109 ± 11.0	101 ± 4.4	132 ± 7.5	137 ± 10.5
3.0	119 ± 10.6	205 ± 9.6	99 ± 9.6	153 ± 14.9	145 ± 11.6
10.0	160 ± 6.1	302 ± 15.7	124 ± 17.7	175 ± 12.2	156 ± 8.9
33.0	397 ± 25.5	1135 ± 76.4	134 ± 4.2	431 ± 13.2	258 ± 6.1
100.0	985 ± 60.1	1227 ± 149.7	263 ± 25.8	707 ± 56.4	458 ± 7.8
333.0	1559 ± 34.6	906 ± 453.4	821 ± 135.6	1253 ± 72.8	1265 ± 93.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					501 ± 75.1
Positive Control ³			689 ± 15.1	503 ± 11.1	
Positive Control ⁴	368 ± 15.8	507 ± 1.3			

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	116 ± 6.7
3.0	137 ± 14.0
10.0	133 ± 4.8
33.0	356 ± 18.2
100.0	543 ± 5.8
333.0	1084 ± 43.4
Trial Summary	Positive
Positive Control ²	761 ± 34.1
Positive Control ³	
Positive Control ⁴	

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene
CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.0	21 ± 2.6	9 ± 1.8	9 ± 1.7	10 ± 1.2
3.0	25 ± 4.1	81 ± 7.5	8 ± 0.6	20 ± 3.2	14 ± 2.9
10.0	30 ± 3.5	211 ± 25.1	8 ± 1.0	24 ± 2.6	24 ± 2.3
33.0	87 ± 8.4	965 ± 29.7	23 ± 1.9	93 ± 3.5	47 ± 3.5
100.0	355 ± 21.1	832 ± 53.1	46 ± 4.5	194 ± 29.7	116 ± 38.0
333.0	650 ± 71.8	16 ± 6.4 ^s	170 ± 30.3	633 ± 90.7	361 ± 42.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³					259 ± 7.8
Positive Control ⁴	267 ± 12.5	347 ± 43.9			
Positive Control ⁵			126 ± 6.9	89 ± 4.0	

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene
CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.1
3.0	12 ± 2.1
10.0	14 ± 2.6
33.0	71 ± 10.8
100.0	146 ± 21.4
333.0	458 ± 57.3
Trial Summary	Positive
Positive Control ³	134 ± 10.1
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene
CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	126 ± 12.4	147 ± 3.2	160 ± 10.7	149 ± 11.9	182 ± 8.7
3.0	161 ± 7.1	149 ± 3.0	198 ± 5.2	149 ± 17.3	174 ± 1.9
10.0	158 ± 13.8	165 ± 15.6	201 ± 3.1	157 ± 17.1	165 ± 14.2
33.0	272 ± 5.2	323 ± 13.9	223 ± 7.5	203 ± 11.8	207 ± 30.0
100.0	486 ± 43.4	413 ± 58.6	239 ± 9.0	269 ± 14.3	249 ± 17.4
333.0	411 ± 20.6	142 ± 21.5 ^s	339 ± 27.4	351 ± 39.8	329 ± 28.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					421 ± 6.2
Positive Control ³			436 ± 6.4	382 ± 16.9	
Positive Control ⁶	364 ± 23.0	641 ± 22.4			

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	137 ± 5.0
3.0	154 ± 28.0
10.0	112 ± 5.9
33.0	150 ± 5.0
100.0	172 ± 8.9
333.0	351 ± 25.5
Trial Summary	Positive
Positive Control ²	521 ± 10.1
Positive Control ³	
Positive Control ⁶	

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.4	18 ± 2.9	26 ± 3.5	23 ± 3.9	39 ± 3.5
3.0	24 ± 0.9	26 ± 5.5	31 ± 4.4	28 ± 3.7	35 ± 2.7
10.0	18 ± 3.8	39 ± 5.0	35 ± 4.8	35 ± 3.2	40 ± 1.2
33.0	29 ± 2.7	61 ± 5.0	36 ± 2.0	45 ± 1.3	54 ± 4.5
100.0	47 ± 4.3	64 ± 2.6	35 ± 3.0	67 ± 0.9	46 ± 3.7
333.0	69 ± 8.8	11 ± 2.3 ^s	57 ± 3.9	67 ± 3.2	94 ± 3.7
Trial Summary	Positive	Positive	Equivocal	Positive	Positive
Positive Control ²					519 ± 39.4
Positive Control ³			435 ± 46.2	251 ± 26.1	
Positive Control ⁷	833 ± 29.3	1124 ± 36.5			

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 0.9
3.0	25 ± 1.9
10.0	35 ± 4.2
33.0	37 ± 1.8
100.0	49 ± 0.9
333.0	62 ± 12.5
Trial Summary	Positive
Positive Control ²	554 ± 41.7
Positive Control ³	
Positive Control ⁷	

Experiment Number: 964969

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,3-Dichloropropylene

CAS Number: 78-88-6

Date Report Requested: 09/17/2018

Time Report Requested: 21:57:24

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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****