

Experiment Number: 777132

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

G06: Ames Summary Data

Test Compound: **1,1-Dichloroethane**

CAS Number: **75-34-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:43:15**

NTP Study Number:

777132

Study Result:

Negative

Experiment Number: 777132

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G06: Ames Summary Data

Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	168 ± 4.8	105 ± 14.4	136 ± 7.2	170 ± 13.5	120 ± 3.6
100.0	167 ± 13.9	105 ± 4.4	110 ± 11.6	160 ± 11.1	97 ± 3.0
333.0	160 ± 6.1	107 ± 11.2	111 ± 11.3	182 ± 3.2	109 ± 10.6
1000.0	145 ± 7.7	125 ± 5.0	104 ± 9.7	170 ± 6.9	118 ± 4.2
3333.0	96 ± 3.0	103 ± 6.0	100 ± 2.3	118 ± 8.7	117 ± 5.7
6666.0		95 ± 4.4	106 ± 10.4		102 ± 10.2
10000.0	59 ± 8.2 ^s			76 ± 22.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					416 ± 43.7
Positive Control ³			407 ± 21.8		
Positive Control ⁴	328 ± 1.2	383 ± 4.7			
Positive Control ⁵				614 ± 15.8	

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CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	170 ± 5.5
100.0	157 ± 10.6
333.0	192 ± 8.8
1000.0	179 ± 13.9
3333.0	132 ± 5.3
6666.0	
10000.0	9 ± 6.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	593 ± 21.6
Positive Control ⁴	
Positive Control ⁵	

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Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

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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	15 ± 0.9	27 ± 4.2	9 ± 0.3	12 ± 1.2	8 ± 1.5
100.0	16 ± 0.9	21 ± 2.0	9 ± 2.0	14 ± 2.5	10 ± 3.2
333.0	17 ± 1.2	23 ± 1.7	8 ± 0.3	13 ± 1.2	6 ± 0.6
1000.0	15 ± 1.9	26 ± 2.7	10 ± 1.5	14 ± 3.7	10 ± 0.3
3333.0	16 ± 3.0	23 ± 0.9	7 ± 0.7	10 ± 1.3	8 ± 0.9
6666.0		19 ± 1.8	8 ± 1.2		9 ± 0.6
10000.0	8 ± 2.6			9 ± 1.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴	205 ± 8.7	331 ± 11.2			
Positive Control ³					174 ± 17.5
Positive Control ⁵			167 ± 4.5		
Positive Control ⁶				60 ± 3.0	

Experiment Number: 777132

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G06: Ames Summary Data

Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	9 ± 1.8
333.0	12 ± 0.9
1000.0	10 ± 1.5
3333.0	10 ± 1.0
6666.0	
10000.0	8 ± 1.7
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	205 ± 21.1
Positive Control ⁶	

Experiment Number: 777132

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

G06: Ames Summary Data

Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.8	12 ± 0.7	10 ± 0.9
100.0	7 ± 0.6	8 ± 1.9	9 ± 0.7
333.0	9 ± 2.8	10 ± 1.9	13 ± 1.9
1000.0	10 ± 1.9	8 ± 0.3	7 ± 0.9
3333.0	9 ± 0.9	8 ± 1.7	11 ± 0.6
10000.0	4 ± 0.6 ^s	10 ± 2.2 ^s	5 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control ³			56 ± 3.8
Positive Control ⁵		42 ± 3.2	
Positive Control ⁷	241 ± 17.4		

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

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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	156 ± 15.5	175 ± 5.2	170 ± 2.7	185 ± 3.2	172 ± 3.3
100.0	178 ± 12.0	172 ± 10.4	183 ± 9.4	176 ± 10.3	148 ± 8.2
333.0	162 ± 8.7	198 ± 13.2	176 ± 0.9	186 ± 9.9	156 ± 8.7
1000.0	179 ± 1.5	190 ± 9.5	172 ± 11.2	163 ± 4.4	164 ± 7.9
3333.0	169 ± 4.2	189 ± 8.7	179 ± 4.1	103 ± 7.6	175 ± 12.7
6666.0		185 ± 7.1	134 ± 4.7 ^s		171 ± 12.7
10000.0	72 ± 19.0 ^s			92 ± 19.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					406 ± 20.2
Positive Control ³			465 ± 33.2		
Positive Control ⁵				351 ± 5.8	
Positive Control ⁷	611 ± 38.1	617 ± 90.0			

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Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	205 ± 4.0
100.0	173 ± 17.6
333.0	176 ± 4.8
1000.0	175 ± 8.7
3333.0	153 ± 3.8
6666.0	
10000.0	115 ± 19.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	395 ± 1.3
Positive Control ⁵	
Positive Control ⁷	

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G06: Ames Summary Data

Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

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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	22 ± 2.0	14 ± 1.2	25 ± 3.2	43 ± 1.8	25 ± 2.3
100.0	24 ± 2.5	17 ± 1.2	22 ± 1.2	38 ± 0.9	25 ± 2.3
333.0	22 ± 1.9	15 ± 2.3	26 ± 3.3	33 ± 4.7	30 ± 5.0
1000.0	20 ± 2.6	17 ± 0.0	28 ± 2.6	32 ± 3.2	21 ± 0.3
3333.0	10 ± 2.0	14 ± 1.8	23 ± 1.8	18 ± 0.0	29 ± 5.0
6666.0		18 ± 3.8	19 ± 0.9		25 ± 2.4
10000.0	0 ± 0.3 ^s			4 ± 3.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					416 ± 13.8
Positive Control ³			404 ± 29.4	134 ± 8.5	
Positive Control ⁸	401 ± 22.5	447 ± 15.3			

Experiment Number: 777132

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Test Compound: 1,1-Dichloroethane

CAS Number: 75-34-3

Date Report Requested: 09/18/2018

Time Report Requested: 00:43:15

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 1.3
100.0	33 ± 5.0
333.0	28 ± 4.0
1000.0	30 ± 1.5
3333.0	21 ± 5.2
6666.0	
10000.0	20 ± 9.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	364 ± 18.9
Positive Control ⁸	

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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: 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: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****