

Experiment Number: 873088

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

Time Report Requested: 16:43:27

NTP Study Number:

873088

Study Result:

Negative

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Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

Time Report Requested: 16:43:27

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	125 ± 6.4	133 ± 9.7	134 ± 6.5	154 ± 10.4	142 ± 10.5
100.0	170 ± 7.5	145 ± 8.1	161 ± 4.6	172 ± 3.8	139 ± 4.4
333.0	159 ± 3.0	153 ± 1.5	153 ± 4.8	154 ± 4.8	132 ± 3.2
1000.0	156 ± 3.7	130 ± 5.3	125 ± 2.5	147 ± 16.0	137 ± 8.5
3333.0	121 ± 6.4 ^p	126 ± 11.6 ^p	101 ± 2.0 ^p	155 ± 8.2 ^p	132 ± 6.1 ^p
10000.0	135 ± 7.3 ^p	115 ± 19.5 ^p	111 ± 8.5 ^p	172 ± 11.2 ^p	140 ± 11.4 ^p
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				481 ± 11.9	
Positive Control ⁴	405 ± 19.0	393 ± 5.7	305 ± 11.2		
Positive Control ⁵					467 ± 11.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	115 ± 4.4	116 ± 4.0	134 ± 10.6
100.0	142 ± 16.7	116 ± 6.6	162 ± 14.3
333.0	129 ± 15.3	101 ± 8.9	155 ± 7.5
1000.0	117 ± 3.9	85 ± 12.5	131 ± 3.8
3333.0	112 ± 7.5 ^p	85 ± 8.7 ^p	118 ± 3.0 ^p
10000.0	132 ± 5.9 ^p	70 ± 2.9 ^p	110 ± 10.0 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ²	927 ± 6.7		
Positive Control ³		639 ± 6.7	733 ± 76.0
Positive Control ⁴			
Positive Control ⁵			

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CAS Number: 50-29-3

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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	36 ± 6.4	23 ± 3.8	5 ± 1.0	17 ± 3.2	12 ± 2.9
100.0	51 ± 4.1	31 ± 2.6	8 ± 0.6	20 ± 1.5	12 ± 2.6
333.0	52 ± 0.7	19 ± 0.6	8 ± 1.0	17 ± 2.0	6 ± 0.3
1000.0	48 ± 1.7	23 ± 5.3	11 ± 2.0	15 ± 1.9	7 ± 3.2
3333.0	39 ± 4.6 ^p	16 ± 2.9 ^p	7 ± 0.9 ^p	17 ± 0.9 ^p	9 ± 1.9 ^p
10000.0	49 ± 7.8 ^p	14 ± 2.2 ^p	7 ± 1.2 ^p	15 ± 1.8 ^p	7 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					196 ± 16.9
Positive Control ⁴	479 ± 14.5	214 ± 6.4			
Positive Control ⁵			70 ± 2.5		
Positive Control ⁶				159 ± 7.4	

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Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

Time Report Requested: 16:43:27

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	10 ± 2.1
333.0	10 ± 0.6
1000.0	10 ± 0.0
3333.0	11 ± 3.2 ^p
10000.0	9 ± 0.9 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	577 ± 12.6
Positive Control ⁶	

Experiment Number: 873088

G06: Ames Summary Data

Date Report Requested: 09/16/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Dichlorodiphenyltrichloroethane (DDT)**

Time Report Requested: 16:43:27

CAS Number: 50-29-3

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.5	12 ± 1.0	17 ± 3.5
100.0	14 ± 2.2	13 ± 0.3	12 ± 1.5
333.0	11 ± 2.3	11 ± 1.8	13 ± 3.5
1000.0	9 ± 1.3	11 ± 2.6	11 ± 1.5
3333.0	11 ± 2.8 ^P	8 ± 1.5 ^P	8 ± 0.9 ^P
10000.0	10 ± 1.0 ^P	4 ± 2.0 ^P	11 ± 2.0 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³			43 ± 8.9
Positive Control ⁵		46 ± 1.2	
Positive Control ⁷	788 ± 77.2		

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Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

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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	168 ± 13.9	168 ± 8.1	211 ± 8.6	157 ± 16.0	181 ± 9.7
100.0	154 ± 10.4	180 ± 5.5	202 ± 12.3	181 ± 9.8	174 ± 17.8
333.0	154 ± 14.0	187 ± 3.8	223 ± 5.5	170 ± 5.1	193 ± 1.7
1000.0	154 ± 5.3	169 ± 13.7	220 ± 1.2	187 ± 2.6	169 ± 11.3
3333.0	152 ± 9.1 ^P	120 ± 14.3 ^P	218 ± 13.7 ^P	159 ± 4.1 ^P	167 ± 10.7 ^P
10000.0	156 ± 7.4 ^P	139 ± 9.8 ^P	204 ± 10.1 ^P	147 ± 10.7 ^P	160 ± 7.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					542 ± 14.6
Positive Control ³			393 ± 11.4		
Positive Control ⁵				335 ± 8.7	
Positive Control ⁷	842 ± 67.6	552 ± 57.8			

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Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

Time Report Requested: 16:43:27

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	164 ± 6.4
100.0	148 ± 11.2
333.0	151 ± 10.5
1000.0	163 ± 6.6
3333.0	167 ± 2.4 ^p
10000.0	154 ± 11.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	392 ± 6.4
Positive Control ⁵	
Positive Control ⁷	

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Test Compound: Dichlorodiphenyltrichloroethane (DDT)

CAS Number: 50-29-3

Date Report Requested: 09/16/2018

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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	18 ± 1.2	16 ± 1.8	27 ± 0.6	31 ± 3.2	31 ± 2.4
100.0	14 ± 0.3	17 ± 1.7	26 ± 4.7	29 ± 2.3	36 ± 0.9
333.0	13 ± 2.0	14 ± 1.9	27 ± 3.0	40 ± 2.0	30 ± 0.9
1000.0	13 ± 1.3	12 ± 0.0	25 ± 2.3	32 ± 2.6	31 ± 1.2
3333.0	13 ± 1.8 ^p	7 ± 2.4 ^p	21 ± 1.8 ^p	26 ± 4.0 ^p	27 ± 4.1 ^p
10000.0	14 ± 1.2 ^p	9 ± 0.3 ^p	22 ± 1.9 ^p	23 ± 3.2 ^p	28 ± 2.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					652 ± 38.2
Positive Control ³			330 ± 20.4	134 ± 18.4	
Positive Control ⁸	498 ± 44.7	521 ± 23.2			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 0.9
100.0	26 ± 2.6
333.0	23 ± 2.2
1000.0	30 ± 6.0
3333.0	23 ± 1.5 ^P
10000.0	24 ± 2.2 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	481 ± 63.5
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

p: Precipitate

**** END OF REPORT ****