

Experiment Number: 127997

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

G06: Ames Summary Data

Test Compound: Aldrin

CAS Number: 309-00-2

Date Report Requested: 09/12/2018

Time Report Requested: 02:46:59

NTP Study Number:

127997

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 12.0	126 ± 6.4	154 ± 11.2	107 ± 2.3	165 ± 9.4
100.0	118 ± 3.6	143 ± 17.5	157 ± 5.3	113 ± 13.8	155 ± 10.1
333.0	115 ± 8.3	136 ± 6.1	158 ± 2.7	115 ± 6.7	160 ± 3.3
1000.0	105 ± 4.3	147 ± 9.6	162 ± 7.0	105 ± 4.0	171 ± 4.4
3333.0	125 ± 2.9 ^P	130 ± 12.2 ^P	156 ± 4.1 ^P	110 ± 5.2 ^P	159 ± 8.6 ^P
10000.0	134 ± 4.1 ^P	148 ± 9.6 ^P	170 ± 8.4 ^P	126 ± 6.6 ^P	160 ± 7.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					744 ± 39.1
Positive Control ³			400 ± 15.6		
Positive Control ⁴	360 ± 14.7	387 ± 17.4			
Positive Control ⁵				404 ± 32.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	110 ± 4.2	118 ± 6.1
100.0	134 ± 4.2	111 ± 6.6
333.0	136 ± 4.3	129 ± 15.5
1000.0	133 ± 10.0	118 ± 11.8
3333.0	147 ± 2.1 ^P	120 ± 7.5 ^P
10000.0	160 ± 1.0 ^P	136 ± 2.0 ^P
Trial Summary	Equivocal	Negative
Positive Control ²		
Positive Control ³	579 ± 21.7	457 ± 12.7
Positive Control ⁴		
Positive Control ⁵		

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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	28 ± 4.3	23 ± 1.9	10 ± 1.5	13 ± 1.3	10 ± 0.3
100.0	33 ± 1.7	29 ± 5.8	8 ± 1.3	11 ± 1.0	10 ± 1.5
333.0	34 ± 1.8	24 ± 1.3	11 ± 2.5	12 ± 0.9	10 ± 3.9
1000.0	37 ± 1.0	22 ± 2.1	9 ± 1.2	7 ± 1.2	6 ± 0.6
3333.0	26 ± 2.3 ^P	22 ± 0.3 ^P	10 ± 2.3 ^P	11 ± 1.2 ^P	9 ± 1.5 ^P
10000.0	24 ± 3.1 ^P	21 ± 3.2 ^P	10 ± 1.2 ^P	8 ± 1.2 ^P	9 ± 2.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					210 ± 10.2
Positive Control ⁴	521 ± 4.0	374 ± 16.0			
Positive Control ⁵			138 ± 14.7		
Positive Control ⁶				116 ± 1.3	

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Test Compound: Aldrin

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.8
100.0	14 ± 1.5
333.0	12 ± 4.4
1000.0	9 ± 2.0
3333.0	11 ± 1.2 ^p
10000.0	13 ± 1.3 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	435 ± 22.5
Positive Control ⁶	

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Test Compound: Aldrin

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 2.9	11 ± 2.1	15 ± 2.3
100.0	8 ± 2.6	7 ± 0.9	16 ± 4.1
333.0	10 ± 2.3	8 ± 1.3	15 ± 2.3
1000.0	11 ± 1.0	10 ± 2.0	16 ± 1.5
3333.0	10 ± 0.9 ^P	5 ± 0.7 ^P	15 ± 0.6 ^P
10000.0	10 ± 0.3 ^P	5 ± 1.0 ^P	10 ± 1.0 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³			68 ± 6.0
Positive Control ⁵		37 ± 2.3	
Positive Control ⁷	877 ± 46.3		

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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	136 ± 15.2	164 ± 7.5	171 ± 3.0	203 ± 10.8	171 ± 6.7
100.0	141 ± 5.2	164 ± 1.5	181 ± 8.7	202 ± 14.2	183 ± 2.3
333.0	166 ± 5.0	175 ± 0.9	204 ± 7.7	206 ± 17.7	179 ± 13.4
1000.0	154 ± 5.0	174 ± 3.8	199 ± 11.8	225 ± 3.8	176 ± 0.7
3333.0	176 ± 11.9 ^P	172 ± 10.1 ^P	181 ± 5.8 ^P	211 ± 7.5 ^P	137 ± 6.7 ^P
10000.0	146 ± 4.1 ^P	153 ± 15.5 ^P	167 ± 11.8 ^P	183 ± 11.8 ^P	168 ± 13.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					967 ± 27.8
Positive Control ³			519 ± 25.6		
Positive Control ⁵				361 ± 27.5	
Positive Control ⁷	640 ± 10.9	765 ± 16.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	154 ± 4.4
100.0	147 ± 4.6
333.0	156 ± 5.1
1000.0	158 ± 4.4
3333.0	138 ± 7.2 ^P
10000.0	138 ± 9.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	395 ± 4.2
Positive Control ⁵	
Positive Control ⁷	

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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	13 ± 2.0	13 ± 0.7	37 ± 4.1	39 ± 1.2	33 ± 1.5
100.0	20 ± 2.1	16 ± 1.2	32 ± 2.0	44 ± 3.2	27 ± 1.3
333.0	15 ± 3.8	16 ± 2.2	29 ± 1.7	36 ± 4.6	33 ± 2.6
1000.0	14 ± 0.7	15 ± 3.8	23 ± 3.5	31 ± 4.3	24 ± 4.1
3333.0	19 ± 3.0 ^p	18 ± 1.0 ^p	29 ± 3.5 ^p	32 ± 2.0 ^p	29 ± 4.3 ^p
10000.0	19 ± 3.8 ^p	18 ± 4.8 ^p	31 ± 4.0 ^p	30 ± 4.3 ^p	38 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					649 ± 134.4
Positive Control ³			273 ± 5.5	170 ± 11.3	
Positive Control ⁸	558 ± 20.6	534 ± 23.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.2
100.0	33 ± 7.8
333.0	30 ± 0.9
1000.0	25 ± 3.5
3333.0	30 ± 5.2 ^p
10000.0	26 ± 3.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	454 ± 62.7
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 ****