

Experiment Number: 087997

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Aldicarb

CAS Number: 116-06-3

Date Report Requested: 09/11/2018

Time Report Requested: 06:43:46

NTP Study Number:

087997

Study Result:

Negative

Experiment Number: 087997

G06: Ames Summary Data

Date Report Requested: 09/11/2018

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

Test Compound: Aldicarb

Time Report Requested: 06:43:46

CAS Number: 116-06-3

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	80 ± 1.5	89 ± 5.0	96 ± 3.2	92 ± 2.2	80 ± 1.3
100.0	75 ± 3.2	82 ± 6.6	93 ± 7.4	88 ± 0.9	80 ± 2.3
333.0	76 ± 2.6	73 ± 1.9	95 ± 3.8	89 ± 3.8	73 ± 2.1
1000.0	74 ± 2.6	81 ± 0.3	95 ± 4.6	105 ± 4.7	70 ± 3.2
3333.0	79 ± 3.0	80 ± 3.1	87 ± 5.9 ^s	89 ± 4.7	72 ± 5.0
10000.0	77 ± 5.8	79 ± 5.7	85 ± 3.4 ^s	85 ± 0.6	65 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					166 ± 2.6
Positive Control ³	348 ± 13.9	309 ± 8.8			
Positive Control ⁴			280 ± 6.4		
Positive Control ⁵					
Positive Control ⁶				255 ± 9.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	95 ± 4.9
100.0	90 ± 4.6
333.0	87 ± 3.2
1000.0	87 ± 1.7
3333.0	82 ± 3.0
10000.0	85 ± 3.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	344 ± 14.9
Positive Control ⁶	

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Date Report Requested: 09/11/2018

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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	31 ± 4.7	28 ± 3.8	37 ± 1.2	13 ± 1.2	6 ± 1.2
100.0	30 ± 7.1	26 ± 1.5	31 ± 2.1	10 ± 2.6	4 ± 0.7
333.0	31 ± 1.9	30 ± 3.2	40 ± 2.6	10 ± 0.6	8 ± 0.6
1000.0	25 ± 2.1	29 ± 0.9	42 ± 10.1	8 ± 1.5	6 ± 1.2
3333.0	27 ± 2.2	25 ± 2.2	33 ± 4.5	11 ± 0.9	7 ± 3.2
10000.0	28 ± 4.1	20 ± 3.0	19 ± 2.0	9 ± 0.3	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					26 ± 2.4
Positive Control ³	133 ± 14.9	193 ± 3.3	153 ± 11.2		
Positive Control ⁵					
Positive Control ⁶				53 ± 1.8	

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Test Compound: Aldicarb

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Date Report Requested: 09/11/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.3
100.0	9 ± 1.3
333.0	12 ± 1.7
1000.0	11 ± 2.7
3333.0	8 ± 0.6
10000.0	8 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	111 ± 10.2
Positive Control ⁶	

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Test Compound: Aldicarb

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Date Report Requested: 09/11/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2	18 ± 1.2	5 ± 0.0	10 ± 0.6	4 ± 0.9
100.0	9 ± 2.3	15 ± 2.1	6 ± 1.5	6 ± 2.3	6 ± 1.5
333.0	6 ± 0.3	18 ± 1.2	3 ± 0.9	7 ± 0.6	4 ± 1.5
1000.0	5 ± 1.9	12 ± 0.9	6 ± 2.6	6 ± 1.9	4 ± 1.8
3333.0	8 ± 2.4	17 ± 0.9	5 ± 1.5	8 ± 4.8	5 ± 0.9
10000.0	6 ± 1.5	12 ± 1.0	3 ± 0.3	4 ± 0.3 ^s	5 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					82 ± 3.3
Positive Control ⁶			83 ± 41.6		
Positive Control ⁷				32 ± 4.4	
Positive Control ⁸	77 ± 4.4	78 ± 12.2			

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Test Compound: Aldicarb
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Date Report Requested: 09/11/2018
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Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	5 ± 1.5
100.0	4 ± 0.7
333.0	5 ± 1.8
1000.0	5 ± 2.0
3333.0	5 ± 0.0
10000.0	5 ± 2.1
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	84 ± 7.3
Positive Control ⁸	

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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	82 ± 3.0	80 ± 3.8	110 ± 12.6	148 ± 11.6	124 ± 2.6
100.0	100 ± 10.5	75 ± 5.9	115 ± 3.2	124 ± 6.8	122 ± 3.0
333.0	76 ± 1.8	82 ± 9.5	119 ± 9.9	139 ± 6.7	121 ± 4.0
1000.0	75 ± 6.4	77 ± 9.7	115 ± 8.3	124 ± 2.3	149 ± 21.1
3333.0	68 ± 18.8	48 ± 8.8	103 ± 3.1	111 ± 4.8	112 ± 0.6
10000.0	1 ± 0.7 ^s	27 ± 5.2	104 ± 11.3	32 ± 4.2 ^s	100 ± 6.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					671 ± 21.2
Positive Control ⁶			727 ± 8.7		
Positive Control ⁷				465 ± 24.4	
Positive Control ⁹	253 ± 15.9	216 ± 26.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	131 ± 6.8
100.0	131 ± 2.7
333.0	135 ± 4.2
1000.0	139 ± 10.2
3333.0	134 ± 4.7
10000.0	131 ± 7.0 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	1137 ± 37.7
Positive Control ⁹	

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Test Compound: Aldicarb

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Date Report Requested: 09/11/2018

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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	11 ± 2.4	11 ± 1.9	23 ± 1.5	17 ± 1.2	42 ± 3.8
100.0	11 ± 0.3	12 ± 1.2	22 ± 2.9	19 ± 2.5	45 ± 2.2
333.0	11 ± 1.2	12 ± 1.8	20 ± 3.5	16 ± 2.0	50 ± 4.6
1000.0	9 ± 0.7	9 ± 2.1	21 ± 4.5	19 ± 2.6	57 ± 3.4
3333.0	9 ± 3.2	14 ± 2.0	24 ± 0.6	15 ± 2.3	43 ± 2.0
10000.0	10 ± 2.3	13 ± 2.8	23 ± 2.0	16 ± 2.4	50 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					182 ± 5.8
Positive Control ²			63 ± 20.4		
Positive Control ¹¹	151 ± 1.2	230 ± 9.9			
Positive Control ⁵				73 ± 1.7	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 1.9
100.0	26 ± 2.1
333.0	20 ± 1.7
1000.0	18 ± 3.0
3333.0	34 ± 4.1
10000.0	19 ± 2.4
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	79 ± 1.3
Positive Control ¹¹	
Positive Control ⁵	

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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: 0.4 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: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **