

Experiment Number: 793805

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Aldicarb oxime

CAS Number: 1646-75-9

Date Report Requested: 09/18/2018

Time Report Requested: 06:23:46

**NTP Study Number:**

793805

**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 <sup>1</sup>	103 ± 0.7	170 ± 4.6	98 ± 15.0	136 ± 11.4	131 ± 21.3
10.0	81 ± 5.9	154 ± 13.6			
33.0	89 ± 5.5	128 ± 6.7	91 ± 6.4	151 ± 5.7	147 ± 2.3
100.0	89 ± 5.9	130 ± 2.8	80 ± 2.6	126 ± 13.2	120 ± 11.5
333.0	88 ± 5.4	121 ± 10.8	88 ± 4.9	139 ± 3.8	121 ± 10.6
1000.0	89 ± 1.2	136 ± 10.9	79 ± 0.9	130 ± 2.6	102 ± 11.8
3333.0			77 ± 1.5	133 ± 3.5	50 ± 6.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					848 ± 38.7
Positive Control <sup>3</sup>			543 ± 1.5		
Positive Control <sup>4</sup>	516 ± 27.1	387 ± 18.1			
Positive Control <sup>5</sup>				642 ± 24.7	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	143 ± 12.4
10.0	
33.0	161 ± 4.7
100.0	160 ± 8.7
333.0	153 ± 10.9
1000.0	145 ± 13.9
3333.0	113 ± 10.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	682 ± 22.2
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	27 ± 4.7	21 ± 1.2	7 ± 0.3	14 ± 1.9	12 ± 3.7
10.0	26 ± 2.7	29 ± 2.1			
33.0	24 ± 3.6	24 ± 4.2	9 ± 1.2	15 ± 0.7	6 ± 0.9
100.0	22 ± 3.0	27 ± 3.9	7 ± 2.4	12 ± 2.6	5 ± 1.2
333.0	24 ± 2.0	23 ± 1.7	6 ± 1.2	11 ± 0.9	8 ± 2.0
1000.0	23 ± 2.7	25 ± 4.4	10 ± 2.5	12 ± 0.7	5 ± 1.8
3333.0			6 ± 1.7	9 ± 2.3	5 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					262 ± 12.6
Positive Control <sup>4</sup>	500 ± 7.6	292 ± 19.7			
Positive Control <sup>5</sup>			257 ± 6.4		
Positive Control <sup>6</sup>				147 ± 16.1	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 2.1
10.0	
33.0	15 ± 1.8
100.0	13 ± 1.5
333.0	9 ± 1.7
1000.0	9 ± 0.3
3333.0	4 ± 1.5
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	150 ± 28.3
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Aldicarb oxime

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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 <sup>1</sup>	89 ± 6.3	178 ± 2.0	107 ± 9.1	206 ± 3.8	102 ± 1.3
10.0	86 ± 3.5	178 ± 9.8			
33.0	88 ± 6.7	184 ± 14.9	117 ± 9.2	127 ± 17.2	125 ± 9.1
100.0	99 ± 2.7	170 ± 8.0	129 ± 3.2	158 ± 14.0	134 ± 2.9
333.0	104 ± 3.7	157 ± 10.9	109 ± 3.0	145 ± 3.5	109 ± 9.3
1000.0	88 ± 10.4	161 ± 5.6	106 ± 11.4	141 ± 7.8	82 ± 3.8
3333.0			91 ± 7.0	175 ± 8.0	53 ± 10.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					418 ± 29.5
Positive Control <sup>3</sup>			348 ± 15.3		
Positive Control <sup>5</sup>				376 ± 15.9	
Positive Control <sup>7</sup>	739 ± 22.8	522 ± 10.2			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	167 ± 12.3
10.0	
33.0	198 ± 4.9
100.0	208 ± 4.7
333.0	203 ± 8.3
1000.0	205 ± 4.0
3333.0	87 ± 10.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	411 ± 20.1
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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Mutagenicity**G06: Ames Summary Data**

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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 <sup>1</sup>	20 ± 3.6	22 ± 2.3	21 ± 4.1	44 ± 3.2	23 ± 1.7
10.0	12 ± 2.0	14 ± 2.7			
33.0	14 ± 0.3	19 ± 1.0	16 ± 2.2	47 ± 1.7	19 ± 3.8
100.0	13 ± 2.4	18 ± 2.0	19 ± 3.4	28 ± 5.0	18 ± 4.4
333.0	17 ± 0.9	24 ± 3.2	16 ± 1.2	27 ± 2.4	20 ± 1.0
1000.0	13 ± 0.6	20 ± 2.3	11 ± 3.6	29 ± 5.4	11 ± 1.8
3333.0			20 ± 0.0	30 ± 1.5	11 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					560 ± 30.5
Positive Control <sup>3</sup>			439 ± 33.0	103 ± 1.0	
Positive Control <sup>8</sup>	551 ± 21.7	536 ± 11.0			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	32 ± 3.5
10.0	
33.0	34 ± 1.5
100.0	32 ± 3.8
333.0	27 ± 3.4
1000.0	23 ± 2.0
3333.0	12 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	336 ± 23.9
Positive Control <sup>8</sup>	

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## LEGEND

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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 \*\*