

Experiment Number: A86757

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Acetoxime

CAS Number: 127-06-0

Date Report Requested: 09/18/2018

Time Report Requested: 04:30:05

NTP Study Number:

A86757

Study Result:

Negative

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Date Report Requested: 09/18/2018
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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	91 ± 5.0	190 ± 17.2	215 ± 15.5	81 ± 1.2	195 ± 13.6
100.0	102 ± 4.8	202 ± 18.3	213 ± 5.8	80 ± 4.7	221 ± 17.4
333.0	85 ± 10.5	191 ± 2.7	186 ± 5.4	78 ± 5.2	235 ± 8.7
1000.0	82 ± 4.0	189 ± 10.4	209 ± 13.9	81 ± 2.9	215 ± 13.6
3333.0	88 ± 6.7	181 ± 12.7	181 ± 5.8	72 ± 3.8	203 ± 15.1
10000.0	10 ± 2.3	23 ± 2.8	28 ± 8.6	22 ± 1.5	20 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2079 ± 84.1
Positive Control ³	283 ± 6.7	574 ± 4.7			
Positive Control ⁴			757 ± 48.7		
Positive Control ⁵					
Positive Control ⁶				293 ± 4.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	111 ± 6.5
100.0	82 ± 3.5
333.0	91 ± 1.7
1000.0	86 ± 4.5
3333.0	81 ± 4.0
10000.0	42 ± 3.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	414 ± 43.0
Positive Control ⁶	

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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	17 ± 3.2	19 ± 1.7	13 ± 2.4	10 ± 1.7	20 ± 1.3
100.0	17 ± 0.6	19 ± 0.3	14 ± 3.2	14 ± 2.3	18 ± 1.5
333.0	17 ± 0.3	18 ± 0.9	10 ± 0.7	12 ± 0.9	17 ± 2.6
1000.0	13 ± 0.9	19 ± 3.5	15 ± 1.2	15 ± 1.2	17 ± 1.8
3333.0	14 ± 1.5	13 ± 3.5	18 ± 2.3	12 ± 1.9	17 ± 2.8
10000.0	2 ± 0.3	0 ± 0.3	1 ± 0.7	5 ± 0.7	4 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					284 ± 9.1
Positive Control ³	196 ± 23.0	252 ± 17.6			
Positive Control ⁵					
Positive Control ⁶			268 ± 26.6	73 ± 4.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.2
100.0	15 ± 2.1
333.0	10 ± 2.0
1000.0	13 ± 2.6
3333.0	13 ± 2.0
10000.0	8 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	154 ± 13.0
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	115 ± 3.9	132 ± 8.1	95 ± 2.9	126 ± 2.5	154 ± 22.0
100.0	127 ± 7.9	119 ± 3.5	91 ± 6.4	140 ± 10.4	166 ± 12.8
333.0	113 ± 5.0	169 ± 6.1	76 ± 5.6	139 ± 17.1	127 ± 13.7
1000.0	112 ± 0.6	142 ± 6.4	76 ± 4.8	118 ± 3.8	185 ± 16.2
2000.0					
3333.0	70 ± 5.2	173 ± 10.5	59 ± 1.5	107 ± 5.9	130 ± 6.9
5000.0			47 ± 2.2		
10000.0	2 ± 0.6	0 ± 0.0		0 ± 0.0	13 ± 4.4
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶				1326 ± 55.7	439 ± 26.6
Positive Control ⁷	322 ± 3.5	782 ± 6.1	495 ± 0.9		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	218 ± 28.0	106 ± 10.2	189 ± 13.5
100.0	251 ± 20.0	98 ± 6.2	183 ± 40.0
333.0	219 ± 9.6	94 ± 5.1	201 ± 26.6
1000.0	285 ± 22.2	82 ± 4.9	164 ± 17.2
2000.0		73 ± 4.1	
3333.0	178 ± 72.0	45 ± 1.8	130 ± 10.2
5000.0			
10000.0	6 ± 4.3		56 ± 15.7
Trial Summary	Equivocal	Negative	Negative
Positive Control ⁴	1870 ± 102.5	1101 ± 121.0	
Positive Control ⁶			1451 ± 94.7
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	14 ± 1.2	17 ± 2.9	26 ± 2.1	18 ± 0.6	26 ± 3.2
100.0	12 ± 2.5	15 ± 1.5	21 ± 1.7	15 ± 1.7	27 ± 1.9
333.0	11 ± 1.0	16 ± 2.1	16 ± 2.5	15 ± 1.3	23 ± 1.2
1000.0	11 ± 1.5	19 ± 1.7	17 ± 2.6	14 ± 2.7	21 ± 3.8
3333.0	11 ± 2.1	7 ± 1.2	17 ± 1.7	15 ± 2.0	12 ± 1.7
10000.0	2 ± 0.7	0 ± 0.0	0 ± 0.0	10 ± 1.5	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			431 ± 0.3		1977 ± 103.1
Positive Control ⁸	69 ± 3.3	77 ± 7.9			
Positive Control ⁵				126 ± 21.7	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 1.9
100.0	15 ± 1.2
333.0	16 ± 0.3
1000.0	17 ± 1.8
3333.0	14 ± 0.9
10000.0	8 ± 0.6
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	442 ± 142.8

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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: Water
- 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: 24.0 ug/Plate 9-Aminoacridine
- 8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **