

Experiment Number: **A79207**

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

G06: Ames Summary Data

Test Compound: **Allyl alcohol**

CAS Number: **107-18-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:38:58**

NTP Study Number:

A79207

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	169 ± 6.7	103 ± 2.4	113 ± 1.5	181 ± 1.2	96 ± 5.9
0.3	175 ± 8.5				
1.0	183 ± 2.7	100 ± 2.4		188 ± 5.9	
3.0	166 ± 2.0	101 ± 4.5	101 ± 7.3	181 ± 8.1	111 ± 11.7
10.0	163 ± 9.5	105 ± 3.3	107 ± 0.3	184 ± 5.5	102 ± 6.7
33.0	144 ± 4.4	97 ± 5.9	111 ± 2.1	175 ± 5.9	105 ± 5.1
66.0		73 ± 3.1			
100.0			100 ± 5.8	153 ± 2.3	108 ± 8.1
166.0			49 ± 9.8		48 ± 8.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					619 ± 1.8
Positive Control ³			484 ± 22.4		
Positive Control ⁴	943 ± 20.4	647 ± 32.4			
Positive Control ⁵				1096 ± 52.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	177 ± 7.7
0.3	
1.0	183 ± 10.0
3.0	179 ± 3.2
10.0	198 ± 6.7
33.0	160 ± 14.4
66.0	
100.0	155 ± 4.3
166.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	954 ± 6.5
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	8 ± 2.3	15 ± 1.5	17 ± 0.6	11 ± 1.7	12 ± 2.5
0.3	9 ± 0.3				
1.0	8 ± 1.9	14 ± 2.3		14 ± 2.3	
3.0	9 ± 1.9	15 ± 1.5	13 ± 2.3	12 ± 2.2	11 ± 1.7
10.0	9 ± 1.3	13 ± 2.2	8 ± 0.0	8 ± 0.6	10 ± 2.3
33.0	10 ± 2.8	10 ± 1.2	8 ± 0.7	9 ± 1.5	12 ± 2.3
66.0		10 ± 2.7			
100.0			8 ± 2.3	7 ± 0.6	11 ± 2.1
166.0			5 ± 0.7		8 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					125 ± 24.7
Positive Control ⁴	629 ± 17.0	812 ± 29.4			
Positive Control ⁵			123 ± 6.5		
Positive Control ⁶				230 ± 5.6	

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Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.2
0.3	
1.0	10 ± 2.4
3.0	12 ± 2.6
10.0	8 ± 0.9
33.0	8 ± 0.6
66.0	
100.0	11 ± 1.0
166.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	468 ± 7.6
Positive Control ⁶	

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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	115 ± 9.7	170 ± 4.0	174 ± 9.8	175 ± 12.2	179 ± 9.2
0.3	129 ± 8.4				
1.0	124 ± 4.8	171 ± 6.7		171 ± 6.7	
3.0	131 ± 8.3	178 ± 12.5	183 ± 9.5	179 ± 14.5	188 ± 2.1
10.0	123 ± 3.8	170 ± 8.0	192 ± 4.7	187 ± 2.1	187 ± 4.1
33.0	117 ± 13.7	150 ± 13.0	185 ± 3.5	169 ± 5.8	189 ± 5.2
66.0		106 ± 5.5			
100.0			159 ± 3.2	151 ± 20.2	167 ± 9.3
166.0			83 ± 9.2		105 ± 12.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					545 ± 22.3
Positive Control ³			478 ± 12.3		
Positive Control ⁵				518 ± 30.6	
Positive Control ⁷	426 ± 35.3	515 ± 13.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	170 ± 2.6
0.3	
1.0	166 ± 9.1
3.0	165 ± 6.0
10.0	163 ± 4.6
33.0	142 ± 2.3
66.0	
100.0	155 ± 10.5
166.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	657 ± 33.0
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	19 ± 2.3	20 ± 6.0	18 ± 1.7	25 ± 3.2	20 ± 3.2
0.3	15 ± 0.9				
1.0	18 ± 0.9	16 ± 0.9		19 ± 4.5	
3.0	16 ± 3.5	17 ± 3.0	23 ± 2.9	18 ± 3.8	22 ± 3.2
10.0	15 ± 0.7	17 ± 0.7	18 ± 3.5	14 ± 0.9	17 ± 1.7
33.0	12 ± 1.7	15 ± 1.2	16 ± 1.0	17 ± 0.7	14 ± 2.4
66.0		12 ± 1.2			
100.0			10 ± 1.0	10 ± 0.9	10 ± 0.7
166.0			12 ± 2.3		9 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					452 ± 11.4
Positive Control ³			340 ± 17.2		
Positive Control ⁸	373 ± 6.7	306 ± 5.5			
Positive Control ⁵				641 ± 25.0	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 3.3
0.3	
1.0	22 ± 2.5
3.0	16 ± 0.9
10.0	18 ± 2.4
33.0	19 ± 1.0
66.0	
100.0	17 ± 1.5
166.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	362 ± 28.2
Positive Control ⁸	
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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **