

Experiment Number: 377758

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

G06: Ames Summary Data

Test Compound: **alpha-Methylbenzyl alcohol**

CAS Number: 98-85-1

Date Report Requested: 09/14/2018

Time Report Requested: 03:35:25

NTP Study Number:

377758

Study Result:

Negative

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Test Compound: alpha-Methylbenzyl alcohol
CAS Number: 98-85-1

Date Report Requested: 09/14/2018

Time Report Requested: 03:35:25

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	128 ± 4.9	107 ± 8.1	116 ± 4.9	102 ± 9.7	154 ± 10.9
33.0	114 ± 9.2	100 ± 3.8	121 ± 7.7		138 ± 14.2
100.0	101 ± 2.3	95 ± 1.2	125 ± 1.5	98 ± 12.9	142 ± 4.2
333.0	131 ± 2.4	101 ± 9.5	126 ± 5.4	109 ± 8.3	134 ± 0.7
1000.0	127 ± 11.1	120 ± 7.2	122 ± 10.1	106 ± 7.8	142 ± 2.3
2166.0	129 ± 5.7				
2500.0		113 ± 8.0 ^s			
3333.0			97 ± 6.8 ^s	102 ± 7.5 ^s	140 ± 6.8 ^s
6666.0				66 ± 0.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			377 ± 7.7	648 ± 38.7	519 ± 14.0
Positive Control ⁴	1023 ± 60.4	1238 ± 38.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	110 ± 9.6
33.0	
100.0	102 ± 3.2
333.0	112 ± 7.8
1000.0	114 ± 5.7
2166.0	
2500.0	
3333.0	101 ± 3.6 ^s
6666.0	Toxic
Trial Summary	Negative
Positive Control ²	902 ± 13.3
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.3	18 ± 1.8	9 ± 0.9	14 ± 2.0	12 ± 2.3
33.0	24 ± 4.4	25 ± 2.3	10 ± 3.5		9 ± 3.5
100.0	24 ± 2.0	20 ± 1.5	11 ± 1.5	12 ± 1.0	12 ± 2.3
333.0	17 ± 1.3	30 ± 2.0	11 ± 2.7	10 ± 1.2	8 ± 0.3
1000.0	23 ± 2.6	20 ± 2.6	11 ± 2.7	14 ± 0.7	10 ± 1.9
2166.0	15 ± 0.9 ^s				
2500.0		22 ± 4.4 ^s			
3333.0			10 ± 1.2	12 ± 1.2 ^s	12 ± 1.2
6666.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					75 ± 8.1
Positive Control ³			38 ± 2.7	72 ± 6.3	
Positive Control ⁴	826 ± 33.4	843 ± 9.3			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.7
33.0	
100.0	12 ± 3.3
333.0	13 ± 0.9
1000.0	11 ± 1.7
2166.0	
2500.0	
3333.0	10 ± 0.6 ^s
6666.0	Toxic
Trial Summary	Negative
Positive Control ²	58 ± 6.1
Positive Control ³	
Positive Control ⁴	

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Test Compound: alpha-Methylbenzyl alcohol

CAS Number: 98-85-1

Date Report Requested: 09/14/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.9	4 ± 0.6	6 ± 1.5	5 ± 1.2	5 ± 1.2
33.0	5 ± 1.2	5 ± 1.2	10 ± 1.7		8 ± 2.3
100.0	5 ± 0.3	4 ± 1.5	9 ± 2.3	5 ± 1.0	8 ± 1.2
333.0	4 ± 0.9	4 ± 1.7	9 ± 0.7	5 ± 0.3	5 ± 0.3
1000.0	7 ± 1.2	6 ± 1.2	9 ± 1.2	5 ± 2.1	9 ± 1.8
2166.0	5 ± 1.3				
2500.0		4 ± 0.3			
3333.0			7 ± 0.0	3 ± 0.0	9 ± 1.5
6666.0				3 ± 0.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					72 ± 4.7
Positive Control ³			29 ± 4.3	46 ± 2.6	
Positive Control ⁵	345 ± 49.4	156 ± 16.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 1.0
33.0	
100.0	5 ± 2.4
333.0	5 ± 0.6
1000.0	5 ± 1.3
2166.0	
2500.0	
3333.0	5 ± 1.7
6666.0	4 ± 0.7 ^s
Trial Summary	Negative
Positive Control ²	82 ± 2.4
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.9	12 ± 1.3	21 ± 2.6	18 ± 3.2	24 ± 2.9
33.0	14 ± 3.8	13 ± 1.2	27 ± 0.7		19 ± 2.8
100.0	13 ± 1.9	10 ± 1.3	27 ± 2.1	19 ± 0.3	24 ± 3.2
333.0	17 ± 2.0	14 ± 2.6	22 ± 0.3	17 ± 1.5	33 ± 4.9
1000.0	17 ± 1.5	12 ± 2.0	24 ± 5.8	15 ± 3.1	20 ± 2.8
2166.0	12 ± 2.7				
2500.0		14 ± 1.9			
3333.0			26 ± 1.0	14 ± 0.9	24 ± 1.7
6666.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1039 ± 66.6
Positive Control ³			319 ± 10.4	268 ± 6.6	
Positive Control ⁶	928 ± 15.0	1163 ± 14.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	20 ± 4.0
33.0	
100.0	25 ± 2.5
333.0	23 ± 1.5
1000.0	18 ± 2.3
2166.0	
2500.0	
3333.0	23 ± 0.9
6666.0	Toxic
Trial Summary	Negative
Positive Control ²	426 ± 13.3
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****