

Experiment Number: 134298

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

G06: Ames Summary Data

Test Compound: **2-Ethylhexanol**

CAS Number: **104-76-7**

Date Report Requested: **09/12/2018**

Time Report Requested: **08:19:53**

NTP Study Number:

134298

Study Result:

Negative

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Test Compound: 2-Ethylhexanol

CAS Number: 104-76-7

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	130 ± 0.3	133 ± 2.9	101 ± 10.7	100 ± 4.0	124 ± 7.8
3.3	123 ± 1.9	118 ± 9.6	116 ± 11.5	122 ± 3.8	116 ± 16.3
10.0	137 ± 4.6	111 ± 7.5	119 ± 1.0	109 ± 10.4	111 ± 9.9
33.0	134 ± 4.9	115 ± 12.5	115 ± 5.9	116 ± 10.7	117 ± 8.4
100.0	115 ± 4.5	137 ± 1.8	107 ± 7.2	96 ± 1.7	110 ± 12.4
220.0		109 ± 4.9 ^s		114 ± 14.5	
333.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					973 ± 95.7
Positive Control ³			800 ± 36.9	1379 ± 56.6	
Positive Control ⁴	1133 ± 52.7	1284 ± 34.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	124 ± 8.2
3.3	127 ± 3.5
10.0	129 ± 12.0
33.0	99 ± 3.5
100.0	112 ± 8.8
220.0	126 ± 5.4
333.0	
Trial Summary	Negative
Positive Control ²	1459 ± 98.6
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	27 ± 3.0	33 ± 2.3	11 ± 0.7	17 ± 3.8	15 ± 3.2
3.3	27 ± 3.8	33 ± 1.0	14 ± 1.8	17 ± 1.0	14 ± 2.1
10.0	27 ± 3.0	27 ± 2.7	15 ± 1.8	14 ± 0.3	16 ± 4.1
33.0	27 ± 1.2	35 ± 0.3	15 ± 1.2	14 ± 1.7	12 ± 3.8
100.0	22 ± 4.3	31 ± 2.2	12 ± 1.8	13 ± 1.3	13 ± 0.6
220.0		25 ± 2.6 ^s		14 ± 0.6	
333.0	Toxic		Toxic		5 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					84 ± 3.9
Positive Control ³			66 ± 3.8	91 ± 10.2	
Positive Control ⁴	835 ± 13.3	902 ± 21.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.7
3.3	17 ± 2.6
10.0	14 ± 2.6
33.0	18 ± 0.6
100.0	14 ± 1.0
220.0	14 ± 2.9
333.0	
Trial Summary	Negative
Positive Control ²	90 ± 2.6
Positive Control ³	
Positive Control ⁴	

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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	6 ± 0.3	5 ± 0.7	6 ± 1.2	6 ± 0.9	6 ± 1.0
3.3	4 ± 0.6	6 ± 1.5	5 ± 0.3	7 ± 2.1	5 ± 1.2
10.0	5 ± 1.2	8 ± 1.9	7 ± 2.5	8 ± 1.5	6 ± 1.5
33.0	6 ± 0.9	5 ± 0.6	7 ± 1.0	4 ± 0.7	6 ± 1.2
100.0	5 ± 1.5	7 ± 2.0	5 ± 0.7	8 ± 1.8	6 ± 1.2
220.0		6 ± 1.7 ^s		9 ± 1.2	
333.0	Toxic		2 ± 2.0 ^s		5 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					82 ± 7.7
Positive Control ³			73 ± 4.3	98 ± 11.7	
Positive Control ⁵	468 ± 69.5	370 ± 59.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.6
3.3	9 ± 1.7
10.0	8 ± 2.2
33.0	7 ± 1.5
100.0	9 ± 0.9
220.0	8 ± 2.6
333.0	
Trial Summary	Negative
Positive Control ²	117 ± 4.5
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	17 ± 1.3	18 ± 1.5	20 ± 1.2	20 ± 2.6	28 ± 4.9
3.3	18 ± 1.3	17 ± 2.6	20 ± 3.2	22 ± 1.5	30 ± 0.9
10.0	12 ± 1.2	15 ± 2.3	23 ± 0.7	23 ± 1.5	24 ± 2.0
33.0	16 ± 2.0	22 ± 1.2	24 ± 4.2	24 ± 3.2	20 ± 2.0
100.0	19 ± 1.5	19 ± 0.6	22 ± 2.9	25 ± 1.3	26 ± 1.7
220.0		18 ± 1.0 ^s		27 ± 2.1	
333.0	Toxic		Toxic		9 ± 3.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					960 ± 59.0
Positive Control ³			544 ± 17.6	855 ± 31.3	
Positive Control ⁶	1049 ± 31.1	1289 ± 46.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 4.9
3.3	24 ± 4.7
10.0	29 ± 0.3
33.0	28 ± 3.2
100.0	26 ± 1.7
220.0	29 ± 2.6
333.0	
Trial Summary	Negative
Positive Control ²	820 ± 37.5
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 ****