

Experiment Number: 167078

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexafluoroacetone sesquihydrate

CAS Number: 13098-39-0

Date Report Requested: 09/13/2018

Time Report Requested: 02:51:15

NTP Study Number:

167078

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	133 ± 0.4	109 ± 10.7	153 ± 1.7	124 ± 5.2	149 ± 12.3
100.0	140 ± 3.4	109 ± 4.0	158 ± 6.0	122 ± 4.7	137 ± 8.7
333.0	146 ± 7.6	114 ± 5.4	157 ± 13.8	121 ± 5.4	128 ± 15.9
1000.0	147 ± 12.2	107 ± 4.3	149 ± 7.8	116 ± 2.3	141 ± 13.9
3333.0	132 ± 5.0	109 ± 12.0	141 ± 6.2	125 ± 5.8	140 ± 18.0
10000.0	35 ± 9.5	Toxic	56 ± 7.8 ^s	2 ± 0.9 ^x	62 ± 7.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	584 ± 3.0	481 ± 5.8			1182 ± 18.8
Positive Control ³			622 ± 5.4	433 ± 30.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	117 ± 10.0
100.0	131 ± 18.8
333.0	129 ± 9.6
1000.0	124 ± 2.6
3333.0	137 ± 4.7
10000.0	2 ± 1.2 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	927 ± 16.3

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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	35 ± 2.8	28 ± 2.1	13 ± 0.0	9 ± 2.3	10 ± 2.5
100.0	46 ± 2.3	33 ± 4.9	13 ± 1.0	16 ± 1.7	13 ± 1.2
333.0	32 ± 4.3	33 ± 3.2	13 ± 2.4	15 ± 1.5	11 ± 3.8
1000.0	33 ± 2.1	24 ± 2.3	19 ± 0.7	8 ± 2.0	9 ± 1.2
3333.0	34 ± 3.1	27 ± 5.5	9 ± 0.0	12 ± 1.3	10 ± 1.5
10000.0	1 ± 0.3	1 ± 0.3 ^s	6 ± 0.8	3 ± 1.2 ^p	8 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	591 ± 4.1	509 ± 24.1			
Positive Control ⁴			193 ± 8.9	167 ± 10.1	486 ± 54.7

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 3.2
100.0	12 ± 0.0
333.0	8 ± 2.6
1000.0	12 ± 2.7
3333.0	9 ± 2.0
10000.0	0 ± 0.3 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	538 ± 21.8

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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	139 ± 11.4	111 ± 6.9	208 ± 13.5	193 ± 10.1	185 ± 5.8
100.0	166 ± 0.7	94 ± 5.5	205 ± 2.9	182 ± 35.7	196 ± 13.3
333.0	183 ± 6.9	118 ± 2.7	198 ± 10.0	161 ± 10.6	202 ± 2.3
1000.0	182 ± 17.6	108 ± 8.5	194 ± 7.1	167 ± 20.2	186 ± 1.2
3333.0	197 ± 4.0	46 ± 13.2	187 ± 1.8	142 ± 17.0	186 ± 4.3
10000.0	2 ± 0.0	Toxic	24 ± 10.4 ^s	2 ± 0.3 ^x	48 ± 4.7 ^s
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ⁴			1751 ± 209.0	687 ± 3.7	1241 ± 77.4
Positive Control ⁵	674 ± 65.1	1135 ± 91.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	195 ± 3.5
100.0	196 ± 13.1
333.0	177 ± 9.5
1000.0	195 ± 9.3
3333.0	161 ± 9.0
10000.0	1 ± 0.7 ^x
Trial Summary	Negative
Positive Control ⁴	1311 ± 28.9
Positive Control ⁵	

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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	18 ± 1.3	22 ± 4.4	39 ± 3.8	24 ± 1.7	38 ± 3.0
100.0	22 ± 2.0	20 ± 3.5	32 ± 1.2	17 ± 2.3	39 ± 2.4
333.0	24 ± 4.2	18 ± 1.5	31 ± 0.3	20 ± 5.8	43 ± 4.2
1000.0	24 ± 3.6	15 ± 0.0	41 ± 2.4	20 ± 0.9	42 ± 4.3
3333.0	23 ± 2.9	14 ± 2.9	35 ± 1.7	11 ± 2.2	32 ± 0.9
10000.0	5 ± 2.3 ^s	2 ± 0.6 ^s	24 ± 4.1	1 ± 0.7 ^x	37 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			364 ± 12.5	179 ± 14.2	1088 ± 14.9
Positive Control ⁶	860 ± 80.3	801 ± 26.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 0.0
100.0	26 ± 3.8
333.0	24 ± 7.2
1000.0	24 ± 4.5
3333.0	18 ± 1.5
10000.0	1 ± 1.3 ^x
Trial Summary	Negative
Positive Control ³	331 ± 24.3
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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****