

Experiment Number: 037742

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,1,1,3,3,3-Hexafluoro-2-propanol

CAS Number: 920-66-1

Date Report Requested: 09/14/2018

Time Report Requested: 19:53:11

NTP Study Number:

037742

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	143 ± 10.9	125 ± 5.0	147 ± 4.3	168 ± 11.5	140 ± 12.7
100.0	141 ± 8.7	144 ± 7.1	155 ± 6.5	168 ± 9.3	158 ± 2.0
333.0	141 ± 5.0	146 ± 4.8	144 ± 14.7	163 ± 11.2	169 ± 3.8
1000.0	137 ± 0.9	147 ± 1.7	140 ± 7.2	174 ± 7.9	146 ± 2.1
3333.0	150 ± 5.2	147 ± 2.0	110 ± 4.7	161 ± 0.7	134 ± 11.9
10000.0	143 ± 6.2	Toxic	0 ± 0.0 ^s	177 ± 8.5	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					772 ± 8.7
Positive Control ³			576 ± 27.1		
Positive Control ⁴	315 ± 8.8	484 ± 31.2			
Positive Control ⁵				579 ± 27.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	181 ± 3.7
100.0	182 ± 6.2
333.0	186 ± 2.4
1000.0	180 ± 4.0
3333.0	165 ± 7.0
10000.0	188 ± 6.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	721 ± 23.2
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	30 ± 3.7	25 ± 2.5	12 ± 0.3	14 ± 2.6	12 ± 2.7
100.0	29 ± 3.7	20 ± 0.9	12 ± 2.0	16 ± 2.2	11 ± 1.9
333.0	30 ± 1.5	19 ± 1.2	12 ± 1.2	16 ± 2.4	6 ± 2.6
1000.0	31 ± 3.6	18 ± 2.5	13 ± 0.6	10 ± 1.3	11 ± 1.8
3333.0	20 ± 2.7	21 ± 3.3	6 ± 0.9	10 ± 0.9	5 ± 1.5
10000.0	13 ± 2.7	0 ± 0.0 ^s	0 ± 0.0 ^s	11 ± 1.3	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					236 ± 7.9
Positive Control ⁴	377 ± 2.3	420 ± 6.7			
Positive Control ⁵			425 ± 34.4		
Positive Control ⁶				131 ± 17.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.9
100.0	13 ± 1.7
333.0	13 ± 2.7
1000.0	12 ± 2.1
3333.0	12 ± 3.2
10000.0	9 ± 2.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	330 ± 24.0
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.8	9 ± 0.9	14 ± 2.3
100.0	11 ± 1.5	15 ± 0.3	11 ± 4.2
333.0	9 ± 1.5	11 ± 3.5	11 ± 1.9
1000.0	12 ± 4.9	11 ± 0.9	14 ± 1.0
3333.0	7 ± 0.6	7 ± 2.1	6 ± 2.3
10000.0	4 ± 1.8	1 ± 1.0 ^s	9 ± 1.3
Trial Summary	Negative	Negative	Negative
Positive Control ³			42 ± 3.2
Positive Control ⁵		39 ± 2.1	
Positive Control ⁷	466 ± 61.8		

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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	149 ± 9.2	162 ± 14.6	198 ± 12.5	199 ± 9.1	209 ± 9.7
100.0	173 ± 3.9	178 ± 11.3	206 ± 10.1	190 ± 14.2	197 ± 8.1
333.0	168 ± 4.6	192 ± 2.2	207 ± 2.3	184 ± 3.2	138 ± 68.9
1000.0	160 ± 10.5	194 ± 3.2	220 ± 3.2	200 ± 8.7	223 ± 1.7
3333.0	174 ± 11.3	212 ± 7.5	196 ± 1.2	199 ± 5.2	207 ± 3.5
10000.0	145 ± 4.7	Toxic	Toxic	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					496 ± 26.3
Positive Control ³			382 ± 26.4		
Positive Control ⁵				330 ± 17.6	
Positive Control ⁷	1215 ± 36.4	737 ± 32.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	172 ± 11.5
100.0	192 ± 13.1
333.0	200 ± 7.3
1000.0	207 ± 2.0
3333.0	163 ± 5.8
10000.0	163 ± 6.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	450 ± 12.3
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	18 ± 2.7	23 ± 3.2	30 ± 3.5	35 ± 3.4	39 ± 3.4
100.0	23 ± 1.0	20 ± 2.7	28 ± 2.6	28 ± 3.2	36 ± 2.0
333.0	21 ± 4.7	20 ± 2.6	28 ± 1.3	24 ± 0.3	38 ± 2.6
1000.0	20 ± 3.0	18 ± 3.8	24 ± 0.3	29 ± 2.2	37 ± 3.5
3333.0	23 ± 2.7	17 ± 0.9	27 ± 2.3	24 ± 3.8	29 ± 1.8
10000.0	19 ± 2.6	Toxic	0 ± 0.0 ^s	32 ± 4.0	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					680 ± 24.9
Positive Control ³			372 ± 24.0	99 ± 8.1	
Positive Control ⁸	487 ± 35.5	606 ± 11.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 3.1
100.0	31 ± 3.5
333.0	30 ± 1.2
1000.0	34 ± 3.9
3333.0	26 ± 0.9
10000.0	36 ± 1.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	244 ± 21.2
Positive Control 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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****