

Experiment Number: 325105

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

G06: Ames Summary Data

Test Compound: **Isopropanol**

CAS Number: **67-63-0**

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

Time Report Requested: **10:40:39**

NTP Study Number:

325105

Study Result:

Negative

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Test Compound: Isopropanol

CAS Number: 67-63-0

Date Report Requested: 09/12/2018

Time Report Requested: 10:40:39

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	124 ± 3.5	104 ± 7.8	156 ± 4.2	170 ± 4.3	171 ± 3.8
100.0	140 ± 3.9	120 ± 3.1	163 ± 7.7	178 ± 6.1	162 ± 7.9
333.0	164 ± 4.6	124 ± 1.2	147 ± 7.4	172 ± 8.0	156 ± 6.9
1000.0	149 ± 6.1	119 ± 3.9	164 ± 4.5	150 ± 6.0	173 ± 0.9
3333.0	143 ± 10.3	134 ± 11.3	147 ± 9.5	159 ± 3.8	147 ± 4.2
10000.0	124 ± 13.5	132 ± 12.2	152 ± 15.0	149 ± 5.4	153 ± 3.6
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					780 ± 38.3
Positive Control ³			582 ± 43.0		
Positive Control ⁴	467 ± 16.4	415 ± 18.8			
Positive Control ⁵				576 ± 29.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	163 ± 5.6
100.0	166 ± 10.0
333.0	168 ± 5.2
1000.0	174 ± 10.2
3333.0	148 ± 8.5
10000.0	143 ± 2.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	667 ± 33.1
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	24 ± 2.2	24 ± 1.5	19 ± 1.2	16 ± 0.3	19 ± 2.4
100.0	25 ± 3.6	19 ± 0.3	16 ± 3.0	16 ± 1.2	18 ± 1.2
333.0	26 ± 3.8	17 ± 3.8	15 ± 1.5	13 ± 0.7	16 ± 0.6
1000.0	28 ± 3.8	18 ± 1.5	17 ± 1.2	14 ± 3.8	16 ± 4.4
3333.0	19 ± 3.1	17 ± 1.3	15 ± 2.2	11 ± 2.1	16 ± 1.5
10000.0	31 ± 2.7	20 ± 4.2	14 ± 2.6	13 ± 1.2	19 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					201 ± 6.9
Positive Control ⁴	370 ± 9.4	418 ± 49.7			
Positive Control ⁵			110 ± 7.3		
Positive Control ⁶				96 ± 2.6	

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

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.3
100.0	14 ± 2.6
333.0	13 ± 1.2
1000.0	11 ± 2.0
3333.0	10 ± 1.5
10000.0	8 ± 3.8
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	403 ± 13.1
Positive Control ⁶	

Experiment Number: 325105

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Isopropanol

CAS Number: 67-63-0

Date Report Requested: 09/12/2018

Time Report Requested: 10:40:39

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.2	10 ± 0.7	10 ± 1.5
100.0	8 ± 2.0	10 ± 0.3	7 ± 0.9
333.0	7 ± 1.0	9 ± 1.0	7 ± 0.3
1000.0	6 ± 0.3	12 ± 2.5	9 ± 1.9
3333.0	10 ± 2.2	9 ± 0.9	9 ± 2.1
10000.0	9 ± 2.1	10 ± 1.5	7 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ³			26 ± 2.0
Positive Control ⁵		37 ± 1.5	
Positive Control ⁷	330 ± 20.6		

Experiment Number: 325105

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Isopropanol

CAS Number: 67-63-0

Date Report Requested: 09/12/2018

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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	157 ± 7.9	179 ± 3.5	194 ± 1.5	202 ± 13.9	178 ± 13.9
100.0	151 ± 6.1	183 ± 2.9	191 ± 6.6	180 ± 17.1	190 ± 6.4
333.0	171 ± 12.0	180 ± 7.4	192 ± 6.4	163 ± 18.2	171 ± 11.2
1000.0	173 ± 9.6	167 ± 5.4	194 ± 13.9	209 ± 22.9	171 ± 15.9
3333.0	157 ± 3.1	162 ± 1.9	215 ± 3.2	216 ± 10.3	162 ± 17.1
10000.0	152 ± 5.5	164 ± 7.9	195 ± 6.4	198 ± 6.4	160 ± 29.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					603 ± 108.0
Positive Control ³			410 ± 10.0		
Positive Control ⁵				429 ± 24.6	
Positive Control ⁷	817 ± 119.9	417 ± 19.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	230 ± 0.3
100.0	225 ± 11.6
333.0	220 ± 2.8
1000.0	202 ± 12.4
3333.0	221 ± 3.5
10000.0	220 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	330 ± 13.1
Positive Control ⁵	
Positive Control ⁷	

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Test Compound: Isopropanol

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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	20 ± 3.8	17 ± 2.3	44 ± 3.2	37 ± 2.4	50 ± 3.0
100.0	24 ± 1.7	15 ± 1.3	39 ± 5.9	33 ± 1.9	50 ± 3.3
333.0	18 ± 0.9	13 ± 2.0	34 ± 1.3	27 ± 2.8	47 ± 1.2
1000.0	16 ± 0.9	14 ± 1.2	33 ± 7.6	26 ± 0.9	46 ± 3.1
3333.0	18 ± 4.6	15 ± 2.1	31 ± 1.5	24 ± 0.7	43 ± 0.3
10000.0	23 ± 2.9	19 ± 2.7	39 ± 4.5	28 ± 1.5	44 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					597 ± 23.6
Positive Control ³			357 ± 22.8	134 ± 5.9	
Positive Control ⁸	522 ± 21.6	591 ± 19.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	41 ± 4.3
100.0	33 ± 1.7
333.0	37 ± 1.3
1000.0	41 ± 5.0
3333.0	31 ± 3.3
10000.0	33 ± 4.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	283 ± 13.6
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

**** END OF REPORT ****