

Experiment Number: 819934

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Isopropyl acetate

CAS Number: 108-21-4

Date Report Requested: 09/15/2018

Time Report Requested: 14:49:18

**NTP Study Number:**

819934

**Study Result:**

Negative

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Test Compound: Isopropyl acetate

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Date Report Requested: 09/15/2018

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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 <sup>1</sup>	138 ± 6.0	155 ± 6.6	137 ± 13.7	125 ± 8.7	140 ± 6.4
100.0	109 ± 4.1	142 ± 5.2	149 ± 8.5	123 ± 10.4	129 ± 9.0
333.0	121 ± 10.8	130 ± 5.0	126 ± 7.6	145 ± 4.4	121 ± 6.1
1000.0	136 ± 6.1	134 ± 11.6	142 ± 5.2	137 ± 3.8	136 ± 5.6
3333.0	126 ± 5.8	142 ± 14.4	138 ± 7.1	106 ± 9.6	110 ± 7.8
10000.0	108 ± 1.5	114 ± 6.5	124 ± 7.9	115 ± 11.0	98 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					712 ± 46.0
Positive Control <sup>3</sup>			566 ± 12.1		
Positive Control <sup>4</sup>	370 ± 18.4	384 ± 57.2			
Positive Control <sup>5</sup>				383 ± 13.7	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	110 ± 2.4
100.0	121 ± 2.7
333.0	128 ± 3.7
1000.0	119 ± 4.8
3333.0	99 ± 4.7
10000.0	63 ± 31.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	558 ± 32.7
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Isopropyl acetate

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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 <sup>1</sup>	22 ± 1.2	26 ± 1.2	9 ± 1.5	15 ± 3.8	9 ± 1.5
100.0	27 ± 0.6	25 ± 1.3	10 ± 0.7	12 ± 4.0	8 ± 0.6
333.0	23 ± 3.7	23 ± 2.2	10 ± 1.3	16 ± 3.5	12 ± 1.3
1000.0	20 ± 4.2	23 ± 2.1	14 ± 5.8	13 ± 2.4	6 ± 2.1
3333.0	25 ± 2.9	21 ± 2.9	6 ± 0.3	15 ± 0.9	8 ± 0.9
10000.0	16 ± 2.1	13 ± 1.2	9 ± 2.5	12 ± 3.3	8 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					154 ± 28.2
Positive Control <sup>4</sup>	448 ± 9.0	232 ± 10.2			
Positive Control <sup>5</sup>			153 ± 8.9		
Positive Control <sup>6</sup>				195 ± 12.9	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 0.6
100.0	10 ± 2.6
333.0	9 ± 2.7
1000.0	10 ± 2.1
3333.0	10 ± 2.0
10000.0	8 ± 2.0
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	569 ± 15.6
Positive Control <sup>6</sup>	

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G06: Ames Summary Data  
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	13 ± 2.5	14 ± 1.9
100.0	9 ± 1.2	15 ± 0.7	13 ± 2.0
333.0	12 ± 1.5	14 ± 1.2	12 ± 2.6
1000.0	9 ± 1.2	15 ± 1.0	11 ± 3.2
3333.0	12 ± 0.3	13 ± 0.9	10 ± 3.1
10000.0	7 ± 2.0	9 ± 0.6	7 ± 0.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			46 ± 8.9
Positive Control <sup>5</sup>		55 ± 4.6	
Positive Control <sup>7</sup>	310 ± 30.5		

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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 <sup>1</sup>	168 ± 9.1	169 ± 8.2	209 ± 4.9	202 ± 8.8	198 ± 9.9
100.0	165 ± 7.3	186 ± 10.4	195 ± 11.0	211 ± 10.5	178 ± 21.2
333.0	184 ± 7.5	194 ± 2.7	212 ± 5.8	213 ± 7.4	189 ± 5.5
1000.0	166 ± 12.4	185 ± 8.7	218 ± 4.8	213 ± 3.4	170 ± 6.9
3333.0	168 ± 2.2	198 ± 4.3	215 ± 7.9	210 ± 10.7	164 ± 9.2
10000.0	180 ± 11.1	183 ± 5.2	186 ± 7.2	189 ± 9.0	130 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					556 ± 35.6
Positive Control <sup>3</sup>			482 ± 80.5		
Positive Control <sup>5</sup>				460 ± 34.5	
Positive Control <sup>7</sup>	635 ± 28.5	613 ± 34.8			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	202 ± 6.9
100.0	210 ± 12.2
333.0	209 ± 7.8
1000.0	187 ± 4.0
3333.0	163 ± 9.2
10000.0	129 ± 6.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	516 ± 8.5
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	



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Test Compound: Isopropyl acetate

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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 <sup>1</sup>	20 ± 1.7	19 ± 0.9	29 ± 2.4	37 ± 3.8	27 ± 1.5
100.0	19 ± 1.0	13 ± 1.2	31 ± 4.9	42 ± 4.7	28 ± 2.3
333.0	18 ± 0.3	19 ± 3.3	27 ± 2.4	26 ± 1.2	35 ± 1.2
1000.0	16 ± 2.3	20 ± 2.7	29 ± 1.7	31 ± 4.5	34 ± 4.2
3333.0	17 ± 3.2	21 ± 3.2	26 ± 3.4	27 ± 5.6	25 ± 0.9
10000.0	12 ± 1.0	19 ± 0.6	27 ± 1.5	27 ± 4.0	25 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					771 ± 3.7
Positive Control <sup>3</sup>			534 ± 4.0	122 ± 5.8	
Positive Control <sup>8</sup>	540 ± 11.6	745 ± 51.8			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	30 ± 0.9
100.0	26 ± 1.5
333.0	29 ± 2.9
1000.0	30 ± 1.7
3333.0	27 ± 2.3
10000.0	19 ± 3.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	438 ± 12.6
Positive Control <sup>8</sup>	

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#### LEGEND

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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: 0.5 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 \*\***