

Experiment Number: A34362

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

**G06: Ames Summary Data**

Test Compound: **Ethyl ether**

CAS Number: **60-29-7**

Date Report Requested: **09/16/2018**

Time Report Requested: **18:01:09**

**NTP Study Number:**

A34362

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Ethyl ether

CAS Number: 60-29-7

Date Report Requested: 09/16/2018

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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>	112 ± 3.8	107 ± 4.9	115 ± 5.4	135 ± 7.8	112 ± 7.5
100.0	90 ± 3.8	101 ± 6.0	101 ± 5.8	132 ± 10.7	96 ± 6.1
333.0	113 ± 2.1	100 ± 5.0	107 ± 4.9	139 ± 26.6	99 ± 1.5
1000.0	109 ± 5.5	101 ± 3.7	107 ± 4.6	116 ± 6.4	101 ± 5.2
3333.0	107 ± 5.8	98 ± 5.2	105 ± 2.6	116 ± 3.8	95 ± 2.3
10000.0	113 ± 6.2	95 ± 3.9	89 ± 2.5	118 ± 12.2	97 ± 7.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					372 ± 11.0
Positive Control <sup>3</sup>			340 ± 7.9		
Positive Control <sup>4</sup>	837 ± 10.2	1041 ± 5.8			
Positive Control <sup>5</sup>				327 ± 12.7	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	117 ± 7.1
100.0	111 ± 7.4
333.0	113 ± 6.0
1000.0	109 ± 4.4
3333.0	113 ± 2.2
10000.0	121 ± 4.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	352 ± 11.7
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Ethyl ether

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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>	10 ± 1.2	10 ± 1.7	11 ± 1.0	14 ± 0.7	11 ± 0.3
0.0				0 ± 0.0	
100.0	11 ± 1.0	12 ± 0.3	10 ± 1.2	12 ± 2.0	8 ± 0.9
333.0	10 ± 1.0	11 ± 1.2	11 ± 1.2	12 ± 2.1	8 ± 0.3
1000.0	9 ± 0.6	12 ± 2.0	9 ± 0.3	12 ± 0.3	10 ± 0.9
3333.0	10 ± 0.3	12 ± 0.6	11 ± 1.3	13 ± 1.2	11 ± 0.0
10000.0	11 ± 1.9	10 ± 2.4	8 ± 0.9	12 ± 1.5	11 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					142 ± 6.0
Positive Control <sup>4</sup>	922 ± 7.5	853 ± 17.1			
Positive Control <sup>5</sup>			106 ± 11.2		
Positive Control <sup>6</sup>				145 ± 6.8	

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Date Report Requested: 09/16/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 1.5
0.0	
100.0	12 ± 0.3
333.0	12 ± 2.1
1000.0	10 ± 1.5
3333.0	10 ± 1.0
10000.0	9 ± 0.6
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	223 ± 7.2
Positive Control <sup>6</sup>	

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Test Compound: Ethyl ether

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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>	109 ± 3.2	125 ± 6.7	151 ± 14.3	144 ± 4.7	134 ± 14.6
100.0	107 ± 4.7	127 ± 10.0	157 ± 4.4	126 ± 10.2	144 ± 3.6
333.0	102 ± 0.9	141 ± 15.5	156 ± 8.1	134 ± 9.9	124 ± 11.6
1000.0	106 ± 0.3	113 ± 7.0	145 ± 10.5	127 ± 9.0	128 ± 1.7
3333.0	111 ± 7.5	151 ± 7.4	161 ± 7.5	138 ± 10.0	135 ± 11.7
10000.0	102 ± 1.2	127 ± 10.7	149 ± 6.1	131 ± 4.5	140 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					347 ± 13.3
Positive Control <sup>3</sup>			337 ± 17.8		
Positive Control <sup>5</sup>				352 ± 10.4	
Positive Control <sup>7</sup>	407 ± 19.1	396 ± 19.9			

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G06: Ames Summary Data

Test Compound: Ethyl ether

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	121 ± 11.3
100.0	111 ± 6.0
333.0	137 ± 7.1
1000.0	131 ± 14.4
3333.0	116 ± 11.3
10000.0	129 ± 9.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	391 ± 3.8
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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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>	17 ± 1.3	13 ± 0.7	19 ± 0.3	15 ± 1.7	21 ± 0.3
0.0				0 ± 0.0	
100.0	12 ± 2.9	13 ± 1.5	20 ± 3.8	15 ± 1.5	17 ± 2.7
333.0	15 ± 0.9	13 ± 2.6	19 ± 3.5	14 ± 1.5	14 ± 3.0
1000.0	17 ± 1.8	10 ± 0.9	14 ± 2.9	18 ± 0.0	19 ± 1.5
3333.0	16 ± 1.0	14 ± 0.6	16 ± 2.1	19 ± 0.7	17 ± 1.5
10000.0	15 ± 1.3	11 ± 1.8	15 ± 0.7	17 ± 1.0	22 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					374 ± 18.8
Positive Control <sup>3</sup>			320 ± 14.7		
Positive Control <sup>8</sup>	318 ± 8.4	322 ± 36.4			
Positive Control <sup>5</sup>				245 ± 4.3	



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 1.2
0.0	
100.0	15 ± 1.2
333.0	17 ± 0.7
1000.0	14 ± 2.7
3333.0	12 ± 2.6
10000.0	15 ± 0.6
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	263 ± 7.8
Positive Control <sup>8</sup>	
Positive Control <sup>5</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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

\*\* END OF REPORT \*\*