

Experiment Number: 417004

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Ethyl acetate

CAS Number: 141-78-6

Date Report Requested: 09/14/2018

Time Report Requested: 23:44:30

**NTP Study Number:**

417004

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Ethyl acetate

CAS Number: 141-78-6

Date Report Requested: 09/14/2018

Time Report Requested: 23:44:30

## 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>	153 ± 2.8	152 ± 0.6	145 ± 2.1	128 ± 1.2	154 ± 9.9
100.0	156 ± 14.5	135 ± 5.4	151 ± 11.7	122 ± 10.2	151 ± 0.3
333.0	155 ± 9.3	143 ± 8.3	160 ± 7.6	150 ± 7.1	151 ± 7.2
1000.0	155 ± 3.2	135 ± 4.9	151 ± 15.1	155 ± 3.2	127 ± 12.2
3333.0	144 ± 4.4	116 ± 3.5	124 ± 4.5	140 ± 9.6	129 ± 11.1
10000.0	147 ± 7.2	124 ± 7.3	119 ± 5.7	121 ± 9.1	116 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					835 ± 37.2
Positive Control <sup>3</sup>			602 ± 17.8		
Positive Control <sup>4</sup>	439 ± 15.8	412 ± 8.4			
Positive Control <sup>5</sup>				842 ± 33.8	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	171 ± 9.9
100.0	173 ± 3.8
333.0	169 ± 4.4
1000.0	181 ± 11.9
3333.0	180 ± 9.8
10000.0	131 ± 20.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	545 ± 10.8
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Ethyl 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>	31 ± 1.8	20 ± 1.0	9 ± 1.7	15 ± 0.7	11 ± 2.2
100.0	30 ± 3.9	16 ± 0.7	13 ± 0.6	12 ± 1.0	11 ± 2.2
333.0	33 ± 3.6	23 ± 3.2	9 ± 1.7	10 ± 2.3	9 ± 0.6
1000.0	30 ± 1.7	20 ± 2.3	10 ± 1.9	9 ± 2.1	10 ± 0.9
3333.0	28 ± 0.9	17 ± 2.6	8 ± 0.6	15 ± 2.6	7 ± 0.9
10000.0	34 ± 0.6	19 ± 5.2	8 ± 0.0	16 ± 1.9	8 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					255 ± 22.5
Positive Control <sup>4</sup>	370 ± 9.4	562 ± 16.7			
Positive Control <sup>5</sup>			168 ± 13.3		
Positive Control <sup>6</sup>				96 ± 2.6	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.4
100.0	12 ± 1.8
333.0	12 ± 2.0
1000.0	12 ± 3.0
3333.0	10 ± 0.9
10000.0	10 ± 0.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	403 ± 13.1
Positive Control <sup>6</sup>	

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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 ± 1.3	8 ± 0.7	10 ± 1.9
100.0	6 ± 2.0	9 ± 0.9	12 ± 1.5
333.0	10 ± 2.1	10 ± 0.9	15 ± 1.2
1000.0	9 ± 2.1	11 ± 1.7	11 ± 2.7
3333.0	9 ± 0.6	9 ± 1.7	13 ± 1.3
10000.0	7 ± 0.6	9 ± 0.7	10 ± 1.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			26 ± 2.0
Positive Control <sup>5</sup>		37 ± 1.5	
Positive Control <sup>7</sup>	330 ± 20.6		

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Test Compound: Ethyl acetate

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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>	134 ± 12.8	149 ± 1.9	166 ± 4.2	216 ± 4.7	180 ± 14.2
100.0	171 ± 12.2	169 ± 4.5	196 ± 29.8	222 ± 5.0	179 ± 5.2
333.0	170 ± 6.8	167 ± 1.5	197 ± 9.6	233 ± 1.7	179 ± 12.9
1000.0	169 ± 8.1	138 ± 3.4	208 ± 0.6	208 ± 2.9	175 ± 15.3
3333.0	178 ± 11.3	153 ± 2.9	188 ± 11.8	203 ± 8.8	163 ± 12.8
10000.0	157 ± 15.6	149 ± 6.3	191 ± 11.1	190 ± 24.3	161 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					634 ± 44.5
Positive Control <sup>3</sup>			480 ± 9.2		
Positive Control <sup>5</sup>				404 ± 1.7	
Positive Control <sup>7</sup>	817 ± 119.9	1158 ± 52.6			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	191 ± 17.1
100.0	200 ± 7.7
333.0	198 ± 12.1
1000.0	185 ± 8.7
3333.0	179 ± 17.5
10000.0	177 ± 5.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	330 ± 13.1
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	



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Test Compound: Ethyl 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>	21 ± 1.7	20 ± 0.3	30 ± 3.2	48 ± 1.7	36 ± 3.8
100.0	30 ± 1.3	17 ± 0.3	29 ± 1.8	37 ± 2.1	30 ± 1.7
333.0	23 ± 2.7	13 ± 2.6	25 ± 3.7	31 ± 1.2	29 ± 2.1
1000.0	20 ± 1.3	15 ± 0.3	23 ± 2.8	38 ± 3.2	33 ± 3.6
3333.0	19 ± 1.2	17 ± 3.5	23 ± 2.3	35 ± 2.9	25 ± 2.3
10000.0	25 ± 3.5	17 ± 1.0	27 ± 3.3	40 ± 4.6	34 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					786 ± 32.0
Positive Control <sup>3</sup>			435 ± 11.0	134 ± 5.9	
Positive Control <sup>8</sup>	522 ± 21.6	643 ± 23.8			

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	34 ± 1.3
100.0	37 ± 4.0
333.0	35 ± 4.7
1000.0	29 ± 5.0
3333.0	34 ± 1.9
10000.0	41 ± 4.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	283 ± 13.6
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 \*\*