

Experiment Number: 030761

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

**G06: Ames Summary Data**

Test Compound: **Olivetol**

CAS Number: **500-66-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:11:13**

**NTP Study Number:**

030761

**Study Result:**

Negative

Experiment Number: 030761

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## G06: Ames Summary Data

Test Compound: Olivetol

CAS Number: 500-66-3

Date Report Requested: 09/14/2018

Time Report Requested: 19:11:13

## 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>	101 ± 11.6	150 ± 10.6	113 ± 4.4	119 ± 7.4	117 ± 9.7
1.0		132 ± 5.2			
3.3	108 ± 4.3	139 ± 4.7	108 ± 5.0		115 ± 10.3
10.0	102 ± 1.9	152 ± 8.3	107 ± 7.0	125 ± 6.1	107 ± 4.4
33.0	90 ± 4.8	135 ± 4.2	118 ± 1.9	123 ± 9.5	111 ± 2.4
100.0	74 ± 6.7 <sup>s</sup>	113 ± 6.0 <sup>s</sup>	104 ± 3.5	120 ± 2.9	100 ± 4.4
200.0	69 ± 21.4 <sup>s</sup>				
333.0			40 ± 28.0 <sup>s</sup>	68 ± 7.2 <sup>s</sup>	63 ± 4.5 <sup>s</sup>
500.0				50 ± 7.3 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					400 ± 15.1
Positive Control <sup>3</sup>	439 ± 18.7	1157 ± 78.8			
Positive Control <sup>4</sup>			1293 ± 39.8		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				1459 ± 52.5	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	116 ± 7.9
1.0	
3.3	
10.0	107 ± 2.3
33.0	115 ± 0.9
100.0	127 ± 2.8
200.0	
333.0	88 ± 0.9 <sup>s</sup>
500.0	75 ± 18.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	768 ± 19.6
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Olivetol

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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>	21 ± 1.2	20 ± 0.7	10 ± 2.6	12 ± 1.3	9 ± 1.2
1.0	17 ± 2.4	20 ± 3.2			
3.3	16 ± 1.9	24 ± 2.0	10 ± 1.7	11 ± 2.9	9 ± 0.9
10.0	19 ± 0.3	22 ± 3.0	11 ± 1.8	11 ± 1.5	9 ± 1.7
33.0	19 ± 0.3 <sup>s</sup>	22 ± 2.0	9 ± 2.3	10 ± 1.0	10 ± 1.7
100.0	10 ± 0.9 <sup>s</sup>	21 ± 2.8 <sup>s</sup>	10 ± 2.4	8 ± 2.0 <sup>s</sup>	14 ± 2.2
333.0			Toxic	4 ± 1.9 <sup>s</sup>	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					68 ± 3.7
Positive Control <sup>3</sup>	211 ± 6.8	273 ± 16.3			
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>			201 ± 12.3	242 ± 16.2	

Experiment Number: 030761

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**G06: Ames Summary Data**

Test Compound: Olivetol

CAS Number: 500-66-3

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 2.5
1.0	
3.3	13 ± 1.9
10.0	15 ± 4.6
33.0	11 ± 1.7
100.0	11 ± 1.5
333.0	7 ± 1.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	99 ± 8.5
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Olivetol

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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>	99 ± 4.9	121 ± 1.8	111 ± 7.5	152 ± 2.7	122 ± 6.3
1.0	95 ± 6.7	126 ± 2.6			
3.3	98 ± 6.3	119 ± 4.7	104 ± 11.0	158 ± 16.6	113 ± 6.9
10.0	103 ± 3.1	120 ± 4.0	115 ± 5.9	132 ± 5.6	105 ± 5.5
33.0	92 ± 2.8	116 ± 4.5	108 ± 6.4	134 ± 7.8	107 ± 7.4
100.0	73 ± 2.6 <sup>s</sup>	88 ± 4.1 <sup>s</sup>	124 ± 4.9	133 ± 3.5 <sup>s</sup>	136 ± 9.5
333.0			Toxic	53 ± 25.5 <sup>s</sup>	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					1211 ± 47.7
Positive Control <sup>6</sup>			2124 ± 32.5		
Positive Control <sup>7</sup>				853 ± 48.7	
Positive Control <sup>8</sup>					
Positive Control <sup>9</sup>	708 ± 52.9	247 ± 18.6			

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**G06: Ames Summary Data**

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	126 ± 2.2
1.0	
3.3	123 ± 7.6
10.0	130 ± 10.7
33.0	164 ± 21.9
100.0	162 ± 6.2 <sup>s</sup>
333.0	91 ± 4.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	1270 ± 35.4
Positive Control <sup>8</sup>	
Positive Control <sup>9</sup>	

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## G06: Ames Summary Data

Test Compound: Olivetol

CAS Number: 500-66-3

Date Report Requested: 09/14/2018

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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>	19 ± 3.4	16 ± 2.4	29 ± 3.6	34 ± 3.2	28 ± 1.9
1.0		18 ± 1.5			
3.3	24 ± 2.1	15 ± 1.7	34 ± 2.4		32 ± 0.7
10.0	19 ± 1.5	21 ± 2.3	36 ± 5.9	41 ± 2.1	30 ± 1.3
33.0	19 ± 1.5	21 ± 2.1	35 ± 3.2	41 ± 1.8	37 ± 4.4
100.0	14 ± 0.3 <sup>s</sup>	18 ± 2.7	38 ± 3.1	41 ± 2.3	38 ± 2.3
200.0	7 ± 0.3 <sup>s</sup>				
333.0			Toxic	27 ± 1.8 <sup>s</sup>	Toxic
500.0				9 ± 6.2 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>10</sup>					387 ± 9.2
Positive Control <sup>2</sup>			675 ± 16.9		
Positive Control <sup>5</sup>				493 ± 19.1	
Positive Control <sup>11</sup>	345 ± 12.9	436 ± 6.6			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	34 ± 0.7
1.0	
3.3	
10.0	33 ± 1.5
33.0	29 ± 6.8
100.0	36 ± 2.1
200.0	
333.0	40 ± 1.9 <sup>s</sup>
500.0	12 ± 10.9 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>10</sup>	
Positive Control <sup>2</sup>	185 ± 6.1
Positive Control <sup>5</sup>	
Positive Control <sup>11</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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 8.0 ug/Plate 9-Aminoacridine

9: 16.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***