

Experiment Number: **A66240**

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

**G06: Ames Summary Data**

Test Compound: **Isoeugenol**

CAS Number: **97-54-1**

Date Report Requested: **09/17/2018**

Time Report Requested: **13:38:04**

**NTP Study Number:**

A66240

**Study Result:**

Negative

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**G06: Ames Summary Data**

Date Report Requested: 09/17/2018

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

Time Report Requested: 13:38:04

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	42 ± 2.3	45 ± 2.6	58 ± 2.3	83 ± 12.1	64 ± 2.2
10.0	49 ± 2.6	56 ± 8.2			
50.0	48 ± 0.7	44 ± 4.4	49 ± 8.1	63 ± 1.8	63 ± 5.0
100.0	29 ± 8.5	38 ± 4.3	64 ± 1.5	70 ± 4.4	64 ± 9.2
250.0	29 ± 5.1	36 ± 4.4			
500.0	32 ± 2.5	27 ± 0.6	40 ± 2.4	47 ± 6.9	47 ± 7.0
1000.0			26 ± 3.8	20 ± 2.4	43 ± 4.6
1500.0				10 ± 0.0	23 ± 2.3
2000.0			Toxic		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	574 ± 1.2	653 ± 31.7			
Positive Control <sup>3</sup>			510 ± 26.7	738 ± 30.5	1161 ± 65.4

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	23 ± 3.1	20 ± 3.1	14 ± 3.0	18 ± 1.8	22 ± 2.1
10.0	35 ± 3.1	19 ± 2.1	15 ± 2.6		
50.0	21 ± 1.7	16 ± 2.8	13 ± 2.2	24 ± 2.6	26 ± 1.5
100.0	18 ± 1.5 <sup>s</sup>	12 ± 3.2	12 ± 2.6	22 ± 5.2	27 ± 1.2
250.0	15 ± 1.5 <sup>s</sup>	18 ± 2.3	9 ± 1.5		
500.0	9 ± 0.9 <sup>s</sup>	0 ± 0.0	8 ± 0.0	22 ± 3.8	27 ± 1.8
1000.0				23 ± 2.1	27 ± 1.8
1500.0					9 ± 6.9
2000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>				1008 ± 31.5	372 ± 38.1
Positive Control <sup>4</sup>	468 ± 17.3	417 ± 30.7	506 ± 17.4		

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Date Report Requested: 09/17/2018  
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Strain: TA98

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Dose (ug/Plate)	With 10% Rat S9
Vehicle Control <sup>1</sup>	21 ± 1.7
10.0	
50.0	17 ± 2.6
100.0	17 ± 4.1
250.0	
500.0	23 ± 4.5
1000.0	16 ± 2.6
1500.0	6 ± 0.9
2000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	1313 ± 17.8
Positive Control <sup>4</sup>	

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G06: Ames Summary Data  
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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	133 ± 4.7	181 ± 46.1	106 ± 4.5	176 ± 0.3	266 ± 53.5
10.0	96 ± 23.5	115 ± 2.6	124 ± 2.1	192 ± 4.4	170 ± 6.7
50.0	164 ± 6.1	135 ± 2.9	109 ± 4.7	196 ± 4.0	178 ± 7.2
100.0	138 ± 6.2	131 ± 0.6	115 ± 4.6	145 ± 14.7	167 ± 5.4
500.0	135 ± 4.0	93 ± 18.3	116 ± 6.1	133 ± 11.1	141 ± 6.6
750.0		36 ± 0.9	117 ± 1.2		153 ± 7.9
1000.0	Toxic	109 ± 7.7	111 ± 11.3	21 ± 3.5	110 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>				1204 ± 23.5	710 ± 32.1
Positive Control <sup>6</sup>	1529 ± 121.3	1183 ± 140.0	930 ± 19.3		

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Strain: E. coli WP2 uvrA pKM101

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Dose (ug/Plate)	With 10% Rat S9
Vehicle Control <sup>1</sup>	125 ± 5.6
10.0	157 ± 5.7
50.0	156 ± 2.7
100.0	139 ± 3.8
500.0	95 ± 5.8
750.0	82 ± 5.7
1000.0	55 ± 9.8
Trial Summary	Negative
Positive Control <sup>5</sup>	878 ± 12.3
Positive Control <sup>6</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: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

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