

Experiment Number: 303935

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

**G06: Ames Summary Data**

Test Compound: **2-Ethoxyethyl p-methoxycinnamate**

CAS Number: **104-28-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **03:19:10**

**NTP Study Number:**

303935

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	102 ± 11.2	132 ± 8.2	97 ± 4.3	129 ± 1.5	109 ± 10.7
10.0	116 ± 3.4	143 ± 5.8			
33.0	129 ± 9.0	136 ± 8.0			
100.0	117 ± 3.5	132 ± 15.3	104 ± 2.3	140 ± 6.1	109 ± 3.4
333.0	107 ± 2.4	118 ± 3.3	113 ± 7.9	138 ± 8.1	112 ± 11.1
1000.0	98 ± 3.7	71 ± 8.0	103 ± 8.5	132 ± 12.4	107 ± 13.0
3333.0			105 ± 10.3	136 ± 11.8	100 ± 1.7
10000.0			73 ± 18.0	52 ± 5.9	102 ± 14.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			846 ± 37.5	526 ± 26.8	1908 ± 51.0
Positive Control <sup>3</sup>	283 ± 10.8	263 ± 10.5			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	132 ± 11.1
10.0	
33.0	
100.0	150 ± 13.6
333.0	147 ± 6.7
1000.0	136 ± 5.0
3333.0	145 ± 3.8
10000.0	114 ± 8.8
Trial Summary	Negative
Positive Control <sup>2</sup>	1047 ± 58.0
Positive Control <sup>3</sup>	

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**Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 1.2	18 ± 1.5	8 ± 0.9	11 ± 2.1	12 ± 1.5
10.0	41 ± 4.2	17 ± 4.6			
33.0	34 ± 4.7	20 ± 4.2			
100.0	31 ± 0.3	21 ± 3.0	7 ± 2.3	10 ± 2.2	16 ± 0.3
333.0	26 ± 3.5	19 ± 2.8	10 ± 2.5	6 ± 0.9	10 ± 3.5
1000.0	20 ± 4.6	6 ± 1.5	10 ± 1.5	10 ± 2.5	5 ± 1.3
3333.0			7 ± 1.0	6 ± 0.0	9 ± 1.7
10000.0			7 ± 0.7	3 ± 0.3	5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	267 ± 9.3	211 ± 3.9			
Positive Control <sup>4</sup>			229 ± 4.7	126 ± 13.4	674 ± 25.4

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 0.9
10.0	
33.0	
100.0	6 ± 0.3
333.0	5 ± 1.0
1000.0	8 ± 0.9
3333.0	8 ± 1.2
10000.0	4 ± 0.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	346 ± 25.3

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 0.9	3 ± 1.0	5 ± 0.3	6 ± 1.8	7 ± 1.7
10.0	8 ± 1.9	6 ± 1.5			
33.0	5 ± 0.9	5 ± 1.5			
100.0	5 ± 2.2	7 ± 1.9	9 ± 2.0	8 ± 0.9	6 ± 1.3
333.0	7 ± 2.5	5 ± 1.9	9 ± 1.5	6 ± 0.9	7 ± 2.4
1000.0	3 ± 1.9	4 ± 2.2	5 ± 0.3	6 ± 0.3	7 ± 1.2
3333.0			5 ± 1.5	8 ± 1.5	5 ± 0.7
10000.0			5 ± 0.7	9 ± 0.9	6 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			232 ± 13.0	173 ± 0.9	201 ± 15.3
Positive Control <sup>5</sup>	94 ± 3.8	154 ± 9.0			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.9
10.0	
33.0	
100.0	6 ± 1.5
333.0	7 ± 1.8
1000.0	6 ± 0.9
3333.0	8 ± 1.9
10000.0	4 ± 0.7
Trial Summary	Negative
Positive Control <sup>4</sup>	477 ± 18.8
Positive Control <sup>5</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.2	14 ± 0.9	26 ± 0.9	30 ± 1.5	29 ± 2.7
10.0	12 ± 2.6	18 ± 1.2			
33.0	17 ± 5.0	14 ± 1.5			
100.0	15 ± 0.9	13 ± 2.2	27 ± 3.5	27 ± 1.0	28 ± 4.9
333.0	14 ± 4.4	12 ± 2.0	21 ± 5.0	24 ± 2.4	36 ± 1.5
1000.0	11 ± 4.0	8 ± 2.3	23 ± 3.1	24 ± 6.0	27 ± 2.4
3333.0			15 ± 2.1	18 ± 1.2	27 ± 1.5
10000.0			14 ± 2.9	16 ± 2.1	25 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1079 ± 254.5	592 ± 63.6	1881 ± 84.4
Positive Control <sup>6</sup>	503 ± 22.3	494 ± 19.1			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 5.2
10.0	
33.0	
100.0	25 ± 2.0
333.0	33 ± 4.4
1000.0	21 ± 4.0
3333.0	21 ± 3.8
10000.0	22 ± 1.2
Trial Summary	Negative
Positive Control <sup>2</sup>	901 ± 51.8
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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

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