

Experiment Number: 715747

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

**G06: Ames Summary Data**

Test Compound: **p-Cresol glycydyl ether**

CAS Number: 2186-24-5

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

Time Report Requested: **00:02:42**

**NTP Study Number:**

715747

**Study Result:**

Positive

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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>	126 ± 3.8	142 ± 5.6	96 ± 4.4	143 ± 5.5	107 ± 11.9
3.3		168 ± 17.7			
10.0	212 ± 6.1				
33.0	425 ± 2.8	369 ± 6.1	100 ± 4.5	153 ± 8.4	113 ± 5.4
100.0	974 ± 20.2	718 ± 42.2	149 ± 5.2	158 ± 4.0	110 ± 10.7
333.0	1971 ± 26.8	1353 ± 99.3	319 ± 21.0	311 ± 7.0	135 ± 3.8
667.0	1 ± 0.3 <sup>s</sup>	286 ± 17.0 <sup>s</sup>		417 ± 15.9 <sup>s</sup>	
1000.0			486 ± 2.1 <sup>s</sup>	358 ± 30.0 <sup>s</sup>	Toxic
3333.0			Toxic		Toxic
Trial Summary	Positive	Positive	Positive	Positive	Negative
Positive Control <sup>2</sup>					1344 ± 12.2
Positive Control <sup>3</sup>			1713 ± 81.4	1103 ± 20.5	
Positive Control <sup>4</sup>	1461 ± 58.6	1351 ± 41.6			

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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>	109 ± 6.6
3.3	
10.0	
33.0	108 ± 9.5
100.0	185 ± 12.3
333.0	183 ± 21.4
667.0	206 ± 14.7
1000.0	153 ± 5.8 <sup>s</sup>
3333.0	
Trial Summary	Weakly Positive
Positive Control <sup>2</sup>	836 ± 123.9
Positive Control <sup>3</sup>	
Positive Control <sup>4</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>	33 ± 6.5	32 ± 1.7	8 ± 0.6	11 ± 3.5	9 ± 0.9
3.3		39 ± 2.7			
10.0	65 ± 8.0	47 ± 4.7			
33.0	135 ± 8.7	91 ± 1.8	10 ± 2.2	22 ± 4.1	10 ± 2.0
100.0	290 ± 7.8	229 ± 10.7	26 ± 2.0	30 ± 4.4	12 ± 1.5
200.0				59 ± 1.5	
333.0	95 ± 14.7	94 ± 7.5	126 ± 6.4	72 ± 10.7	15 ± 1.9
667.0	0 ± 0.0 <sup>s</sup>			120 ± 3.9 <sup>s</sup>	
1000.0			Toxic		51 ± 0.5 <sup>s</sup>
3333.0			Toxic		Toxic
Trial Summary	Positive	Positive	Positive	Positive	Equivocal
Positive Control <sup>2</sup>					216 ± 8.1
Positive Control <sup>3</sup>			218 ± 11.4	97 ± 2.0	
Positive Control <sup>4</sup>	1095 ± 16.7	1145 ± 6.6			

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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 ± 1.5
3.3	
10.0	
33.0	9 ± 2.0
100.0	10 ± 1.7
200.0	
333.0	20 ± 1.5
667.0	23 ± 3.8
1000.0	Toxic
3333.0	
Trial Summary	Weakly Positive
Positive Control <sup>2</sup>	139 ± 19.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.2	10 ± 0.3	8 ± 2.0
10.0	7 ± 2.0		
33.0	5 ± 0.3	6 ± 0.7	9 ± 2.0
100.0	6 ± 0.3	8 ± 1.2	8 ± 1.2
333.0	1 ± 1.3	9 ± 1.8	6 ± 1.2
667.0	0 ± 0.0 <sup>s</sup>		
1000.0		6 ± 2.0 <sup>s</sup>	5 ± 0.0 <sup>s</sup>
3333.0		Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			101 ± 10.7
Positive Control <sup>3</sup>		137 ± 11.0	
Positive Control <sup>5</sup>	738 ± 29.9		

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 1.9	25 ± 3.0	30 ± 1.8
10.0	18 ± 2.7		
33.0	20 ± 1.7	30 ± 2.9	27 ± 1.2
100.0	18 ± 2.6	28 ± 3.6	22 ± 0.7
333.0	15 ± 2.9	31 ± 1.3	29 ± 2.9
667.0	0 ± 0.0		
1000.0		24 ± 0.5 <sup>s</sup>	25 ± 4.5 <sup>s</sup>
3333.0		Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			955 ± 17.9
Positive Control <sup>3</sup>		1204 ± 50.5	
Positive Control <sup>6</sup>	1258 ± 16.5		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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