

Experiment Number: 339243

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

**G06: Ames Summary Data**

Test Compound: **Cresyl diphenyl phosphate**

CAS Number: **26444-49-5**

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

Time Report Requested: **22:49:42**

**NTP Study Number:**

339243

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Cresyl diphenyl phosphate  
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Date Report Requested: 09/12/2018

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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>	89 ± 5.0	99 ± 6.1	111 ± 2.8	122 ± 3.2	103 ± 7.0
100.0	135 ± 13.9	115 ± 10.3	96 ± 13.7	127 ± 1.5	106 ± 4.4
333.0	147 ± 11.9	134 ± 18.6	78 ± 2.1	123 ± 4.4	101 ± 6.6
1000.0	143 ± 8.6	123 ± 3.8	93 ± 4.6	120 ± 12.0	108 ± 9.1
3333.0	147 ± 2.9 <sup>p</sup>	124 ± 5.5 <sup>p</sup>	102 ± 7.5 <sup>p</sup>	127 ± 14.7 <sup>p</sup>	116 ± 11.9 <sup>p</sup>
10000.0	146 ± 4.8 <sup>p</sup>	119 ± 11.0 <sup>p</sup>	104 ± 4.3 <sup>p</sup>	136 ± 7.2 <sup>p</sup>	110 ± 2.9 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	339 ± 16.0	292 ± 9.3			
Positive Control <sup>3</sup>			519 ± 18.3	526 ± 19.9	890 ± 4.8

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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>	117 ± 8.8
100.0	115 ± 4.3
333.0	101 ± 6.2
1000.0	101 ± 0.7
3333.0	94 ± 2.6 <sup>P</sup>
10000.0	108 ± 5.6 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1119 ± 89.4

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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>	23 ± 2.6	20 ± 3.5	14 ± 1.0	8 ± 1.9	12 ± 2.1
100.0	32 ± 0.9	16 ± 1.5	7 ± 0.6	8 ± 2.3	9 ± 1.7
333.0	37 ± 2.9	19 ± 3.8	8 ± 1.0	8 ± 0.6	8 ± 4.1
1000.0	29 ± 1.2	24 ± 3.4	8 ± 3.5	11 ± 2.5	10 ± 3.2
3333.0	37 ± 5.7 <sup>P</sup>	21 ± 4.9 <sup>P</sup>	9 ± 1.5 <sup>P</sup>	9 ± 1.5 <sup>P</sup>	12 ± 3.0 <sup>P</sup>
10000.0	38 ± 1.9 <sup>P</sup>	25 ± 0.9 <sup>P</sup>	6 ± 2.0 <sup>P</sup>	10 ± 3.4 <sup>P</sup>	8 ± 0.7 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	217 ± 23.2	214 ± 9.1			
Positive Control <sup>4</sup>			195 ± 12.0	153 ± 5.5	382 ± 48.0

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

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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>	14 ± 0.6
100.0	7 ± 1.5
333.0	7 ± 1.2
1000.0	7 ± 0.9
3333.0	11 ± 3.0 <sup>P</sup>
10000.0	10 ± 1.2 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	363 ± 16.3

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## G06: Ames Summary Data

Test Compound: Cresyl diphenyl phosphate

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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>	6 ± 1.5	7 ± 1.5	7 ± 0.3	4 ± 1.0	9 ± 3.3
100.0	5 ± 1.2	5 ± 0.9	4 ± 0.9	5 ± 1.0	4 ± 1.2
333.0	6 ± 1.0	2 ± 0.3	6 ± 1.5	6 ± 1.0	6 ± 0.9
1000.0	10 ± 2.8	3 ± 1.5	4 ± 1.8	4 ± 0.9	4 ± 1.0
3333.0	6 ± 1.2 <sup>p</sup>	3 ± 0.3 <sup>p</sup>	8 ± 2.0 <sup>p</sup>	5 ± 1.8 <sup>p</sup>	5 ± 0.9 <sup>p</sup>
10000.0	5 ± 0.3 <sup>p</sup>	6 ± 1.8 <sup>p</sup>	5 ± 1.5 <sup>p</sup>	7 ± 1.0 <sup>p</sup>	8 ± 0.6 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			155 ± 13.6	146 ± 11.0	284 ± 7.5
Positive Control <sup>5</sup>	120 ± 4.9	97 ± 2.7			

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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 ± 2.6
100.0	5 ± 0.3
333.0	5 ± 0.9
1000.0	8 ± 2.5
3333.0	8 ± 0.6 <sup>P</sup>
10000.0	8 ± 1.2 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	398 ± 26.6
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>	21 ± 3.2	15 ± 1.7	30 ± 1.2	28 ± 0.3	31 ± 4.4
100.0	21 ± 1.8	13 ± 0.6	33 ± 2.8	27 ± 1.5	25 ± 2.9
333.0	19 ± 3.3	12 ± 1.5	28 ± 3.3	36 ± 0.3	28 ± 4.0
1000.0	18 ± 3.8	15 ± 1.5	27 ± 2.1	27 ± 2.8	31 ± 3.7
3333.0	16 ± 0.9 <sup>p</sup>	10 ± 2.1 <sup>p</sup>	25 ± 2.6 <sup>p</sup>	26 ± 4.7 <sup>p</sup>	32 ± 0.6 <sup>p</sup>
10000.0	21 ± 2.7 <sup>p</sup>	10 ± 1.9 <sup>p</sup>	31 ± 0.3 <sup>p</sup>	28 ± 6.5 <sup>p</sup>	34 ± 1.3 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			331 ± 15.3	265 ± 2.0	1221 ± 50.9
Positive Control <sup>6</sup>	346 ± 2.5	398 ± 27.4			



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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>	24 ± 4.8
100.0	17 ± 2.6
333.0	23 ± 3.3
1000.0	19 ± 4.3
3333.0	22 ± 1.5 <sup>p</sup>
10000.0	24 ± 1.3 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	790 ± 65.4
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: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

p: Precipitate

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