

Experiment Number: 623229

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Trimethylphosphate

CAS Number: 512-56-1

Date Report Requested: 09/10/2018

Time Report Requested: 16:15:18

**NTP Study Number:**

623229

**Study Result:**

Positive

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## G06: Ames Summary Data

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	130 ± 7.0	119 ± 9.2	159 ± 6.3	114 ± 8.7	143 ± 15.9
333.0	127 ± 3.7		156 ± 9.0		170 ± 9.9
1000.0	135 ± 3.5	134 ± 4.0	159 ± 9.4	151 ± 9.6	189 ± 3.2
3333.0	156 ± 3.7	152 ± 8.5	193 ± 7.2	195 ± 14.8	184 ± 13.4
6666.0	159 ± 3.7	186 ± 13.9	198 ± 13.5	229 ± 5.0	231 ± 8.0
10000.0	194 ± 3.8	227 ± 16.7	244 ± 14.1	265 ± 11.4	280 ± 15.7
15000.0		233 ± 10.8		316 ± 5.2	
Trial Summary	Equivocal	Positive	Weakly Positive	Positive	Weakly Positive
Positive Control <sup>2</sup>					693 ± 49.0
Positive Control <sup>3</sup>	329 ± 9.5	422 ± 11.2			
Positive Control <sup>4</sup>			486 ± 38.8	535 ± 19.5	

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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>	137 ± 8.9
333.0	
1000.0	174 ± 5.5
3333.0	219 ± 3.8
6666.0	267 ± 5.2
10000.0	315 ± 9.1
15000.0	353 ± 9.3
Trial Summary	Positive
Positive Control <sup>2</sup>	489 ± 16.8
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 2.5	44 ± 2.5	28 ± 1.9
333.0	16 ± 2.1	37 ± 2.6	26 ± 1.2
1000.0	17 ± 1.5	40 ± 2.6	24 ± 2.7
3333.0	17 ± 2.2	35 ± 4.0	30 ± 4.4
6666.0	15 ± 1.2	30 ± 0.3	25 ± 2.2
10000.0	17 ± 2.0	26 ± 5.8	29 ± 2.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		161 ± 7.2	500 ± 28.4
Positive Control <sup>5</sup>	517 ± 24.0		

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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