

Experiment Number: 839940

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

**G06: Ames Summary Data**

Test Compound: **Monomethylphosphate**

CAS Number: **812-00-0**

Date Report Requested: **09/16/2018**

Time Report Requested: **00:10:58**

**NTP Study Number:**

839940

**Study Result:**

Negative

Experiment Number: 839940  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Monomethylphosphate  
CAS Number: 812-00-0

Date Report Requested: 09/16/2018  
Time Report Requested: 00:10:58

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	87 ± 3.0	128 ± 10.2	113 ± 1.5	154 ± 5.4	132 ± 5.0
33.0	104 ± 4.1	124 ± 15.0	130 ± 13.2	162 ± 11.3	
100.0	113 ± 8.2	161 ± 8.4	120 ± 4.4	151 ± 8.3	126 ± 1.0
333.0	131 ± 4.3	149 ± 8.4	125 ± 13.3	143 ± 6.6	121 ± 6.2
1000.0	132 ± 4.7	133 ± 14.0	109 ± 5.2	142 ± 4.6	126 ± 7.1
3333.0	117 ± 8.7	147 ± 16.2	114 ± 2.3	146 ± 15.2	114 ± 17.2
10000.0					47 ± 23.7 <sup>s</sup>
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>				411 ± 14.2	
Positive Control <sup>4</sup>					430 ± 24.3
Positive Control <sup>5</sup>	647 ± 32.9	536 ± 17.1	590 ± 24.4		

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	162 ± 12.3	133 ± 4.7
33.0	172 ± 3.8	108 ± 8.7
100.0	160 ± 5.0	121 ± 7.2
333.0	147 ± 11.1	109 ± 4.7
1000.0	129 ± 11.2	124 ± 6.5
3333.0	141 ± 15.4	123 ± 4.4
10000.0		
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	697 ± 12.0	
Positive Control <sup>3</sup>		580 ± 21.1
Positive Control <sup>4</sup>		
Positive Control <sup>5</sup>		

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## G06: Ames Summary Data

Test Compound: Monomethylphosphate

CAS Number: 812-00-0

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	9 ± 1.0	9 ± 0.9	12 ± 2.6	10 ± 0.6
33.0	7 ± 1.2	11 ± 1.9	10 ± 1.9	10 ± 1.5	11 ± 2.0
100.0	10 ± 0.7	11 ± 3.2	9 ± 2.8	12 ± 2.3	8 ± 1.8
333.0	8 ± 2.2	7 ± 1.9	10 ± 1.5	9 ± 0.3	11 ± 0.3
1000.0	9 ± 0.3	7 ± 0.3	12 ± 1.5	7 ± 1.5	8 ± 1.5
3333.0	8 ± 1.2	6 ± 0.9	10 ± 0.9	9 ± 1.9	11 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					84 ± 3.9
Positive Control <sup>4</sup>			84 ± 6.2		
Positive Control <sup>6</sup>				82 ± 4.3	
Positive Control <sup>5</sup>	271 ± 17.8	441 ± 7.8			

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**G06: Ames Summary Data**

Test Compound: Monomethylphosphate

CAS Number: 812-00-0

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 3.2
33.0	12 ± 0.9
100.0	10 ± 2.1
333.0	12 ± 3.6
1000.0	10 ± 1.9
3333.0	7 ± 2.0
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	221 ± 13.4
Positive Control <sup>6</sup>	
Positive Control <sup>5</sup>	

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Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: Monomethylphosphate

CAS Number: 812-00-0

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	216 ± 8.7	177 ± 11.0	213 ± 7.9	222 ± 8.6	205 ± 10.7
33.0	225 ± 5.7	206 ± 9.5	240 ± 9.3	212 ± 13.5	216 ± 9.6
100.0	231 ± 4.4	217 ± 4.3	228 ± 8.5	228 ± 4.4	221 ± 3.9
333.0	236 ± 0.3	211 ± 8.3	229 ± 4.7	203 ± 16.6	220 ± 5.5
1000.0	220 ± 3.4	222 ± 5.7	224 ± 3.8	192 ± 7.3	227 ± 7.5
3333.0	215 ± 7.9	211 ± 13.6	226 ± 8.7	217 ± 1.2	219 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					502 ± 16.5
Positive Control <sup>3</sup>			421 ± 5.9		
Positive Control <sup>4</sup>				364 ± 15.9	
Positive Control <sup>7</sup>	389 ± 26.3	408 ± 7.6			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	212 ± 10.6
33.0	218 ± 9.5
100.0	220 ± 10.1
333.0	209 ± 3.2
1000.0	202 ± 8.6
3333.0	193 ± 7.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	366 ± 14.3
Positive Control <sup>4</sup>	
Positive Control <sup>7</sup>	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 4.5	18 ± 1.2	24 ± 1.7	22 ± 2.7	30 ± 7.2
33.0	19 ± 3.3	18 ± 1.2	31 ± 3.2		23 ± 1.8
100.0	26 ± 5.0	22 ± 1.8	27 ± 3.5	21 ± 2.6	24 ± 1.9
333.0	29 ± 0.6	24 ± 5.5	22 ± 7.1	25 ± 2.4	30 ± 3.2
1000.0	22 ± 1.7	26 ± 2.8	21 ± 1.5	29 ± 1.5	25 ± 2.0
3333.0	23 ± 4.6	29 ± 3.3	25 ± 3.7	24 ± 2.7	21 ± 3.8
10000.0				5 ± 2.0 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					448 ± 28.3
Positive Control <sup>3</sup>			208 ± 14.2	104 ± 11.6	
Positive Control <sup>8</sup>	495 ± 31.1	433 ± 11.7			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 5.9
33.0	20 ± 3.3
100.0	28 ± 4.2
333.0	21 ± 2.6
1000.0	27 ± 1.7
3333.0	29 ± 0.6
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	414 ± 21.4
Positive Control <sup>8</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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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