

Experiment Number: 752147

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

**G06: Ames Summary Data**

Test Compound: **N'-methyl-N,N-diphenylurea**

CAS Number: 13114-72-2

Date Report Requested: **09/17/2018**

Time Report Requested: **11:07:35**

**NTP Study Number:**

752147

**Study Result:**

Negative

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CAS Number: 13114-72-2

Date Report Requested: 09/17/2018

Time Report Requested: 11:07:35

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	150 ± 6.7	127 ± 5.8	122 ± 0.3	151 ± 5.0	135 ± 5.0
33.0	164 ± 5.7	135 ± 9.9			
100.0	161 ± 7.9	146 ± 8.4	137 ± 6.7	146 ± 3.8	121 ± 11.5
333.0	149 ± 7.5	161 ± 7.9	136 ± 5.0	160 ± 4.7	118 ± 2.1
1000.0	168 ± 9.5	110 ± 24.7	123 ± 4.6	148 ± 3.1	123 ± 7.6
3333.0	106 ± 12.7 <sup>p</sup>	94 ± 5.4 <sup>p</sup>	140 ± 3.6 <sup>p</sup>	145 ± 3.1 <sup>p</sup>	121 ± 8.6 <sup>p</sup>
10000.0			108 ± 2.9 <sup>p</sup>	124 ± 12.9 <sup>p</sup>	107 ± 6.2 <sup>p</sup>
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control <sup>2</sup>					658 ± 30.9
Positive Control <sup>3</sup>			486 ± 16.3		
Positive Control <sup>4</sup>	409 ± 4.5	465 ± 18.0			
Positive Control <sup>5</sup>				774 ± 31.2	

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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>	139 ± 0.3
33.0	
100.0	156 ± 7.8
333.0	163 ± 7.2
1000.0	149 ± 7.6
3333.0	128 ± 9.2 <sup>p</sup>
10000.0	121 ± 6.5 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	958 ± 21.0
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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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>	18 ± 2.5	21 ± 2.0	8 ± 0.7	8 ± 2.2	8 ± 1.2
33.0		21 ± 1.5			
100.0	24 ± 1.8	22 ± 5.2	10 ± 0.3	15 ± 3.9	8 ± 1.0
333.0	25 ± 2.5	26 ± 2.7	11 ± 2.4	19 ± 4.8	7 ± 2.0
1000.0	27 ± 3.5	29 ± 1.9	10 ± 0.6	7 ± 2.1	6 ± 2.5
3333.0	26 ± 4.0 <sup>p</sup>	32 ± 0.3 <sup>p</sup>	4 ± 1.2 <sup>p</sup>	6 ± 1.5 <sup>p</sup>	11 ± 2.5 <sup>p</sup>
6666.0	4 ± 1.5 <sup>p</sup>				
10000.0			3 ± 1.5 <sup>p</sup>	4 ± 0.3 <sup>p</sup>	4 ± 1.2 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					174 ± 7.7
Positive Control <sup>4</sup>	427 ± 11.8	439 ± 8.6			
Positive Control <sup>5</sup>			102 ± 2.2		
Positive Control <sup>6</sup>				194 ± 10.4	

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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>	11 ± 3.8
33.0	
100.0	11 ± 2.5
333.0	8 ± 1.5
1000.0	6 ± 1.9
3333.0	4 ± 0.9 <sup>p</sup>
6666.0	
10000.0	5 ± 0.7 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	505 ± 19.3
Positive Control <sup>6</sup>	

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## Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 1.0	11 ± 1.7	11 ± 1.3
100.0	5 ± 0.6	9 ± 1.2	9 ± 0.9
333.0	6 ± 0.3	6 ± 0.6	10 ± 1.5
1000.0	8 ± 2.1	7 ± 1.2	8 ± 1.9
3333.0	6 ± 2.1 <sup>P</sup>	6 ± 1.5 <sup>P</sup>	4 ± 0.7 <sup>P</sup>
6666.0	4 ± 2.7 <sup>X</sup>		
10000.0		5 ± 0.3 <sup>P</sup>	4 ± 0.6 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			53 ± 2.1
Positive Control <sup>5</sup>		44 ± 6.4	
Positive Control <sup>7</sup>	214 ± 51.6		

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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>	146 ± 4.3	186 ± 4.6	198 ± 12.3	124 ± 14.7	188 ± 1.3
33.0		190 ± 8.3			
100.0	135 ± 15.0	195 ± 4.5	197 ± 23.0	132 ± 11.1	159 ± 10.1
333.0	139 ± 6.1	190 ± 12.1	211 ± 11.0	160 ± 9.8	161 ± 6.8
1000.0	162 ± 7.2	166 ± 14.2	185 ± 7.3	142 ± 12.0	147 ± 4.5
3333.0	114 ± 8.6 <sup>p</sup>	127 ± 33.5 <sup>p</sup>	179 ± 11.6 <sup>p</sup>	103 ± 18.5 <sup>p</sup>	153 ± 9.5 <sup>p</sup>
6666.0	18 ± 9.0 <sup>x</sup>				
10000.0			104 ± 33.4 <sup>p</sup>	49 ± 9.9 <sup>p</sup>	114 ± 15.7 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					584 ± 14.4
Positive Control <sup>3</sup>			350 ± 18.8		
Positive Control <sup>5</sup>				405 ± 10.8	
Positive Control <sup>7</sup>	569 ± 20.9	507 ± 26.0			

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**G06: Ames Summary Data**

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	152 ± 21.7
33.0	
100.0	146 ± 3.3
333.0	156 ± 5.1
1000.0	131 ± 8.6
3333.0	126 ± 10.8 <sup>p</sup>
6666.0	
10000.0	129 ± 21.7 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	394 ± 12.2
Positive Control <sup>5</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>	21 ± 3.7	16 ± 1.2	22 ± 3.8	33 ± 4.6	33 ± 3.6
33.0	18 ± 3.0	17 ± 1.5			
100.0	21 ± 1.5	16 ± 3.0	28 ± 1.2	34 ± 2.0	30 ± 0.9
333.0	21 ± 4.2	17 ± 3.3	29 ± 2.1	32 ± 3.3	18 ± 1.9
1000.0	18 ± 1.8	17 ± 3.2	31 ± 0.7	30 ± 3.2	26 ± 2.5
3333.0	15 ± 1.5 <sup>p</sup>	11 ± 3.0 <sup>p</sup>	22 ± 3.1 <sup>p</sup>	24 ± 1.8 <sup>p</sup>	20 ± 3.2 <sup>p</sup>
10000.0			16 ± 2.0 <sup>p</sup>	19 ± 2.1 <sup>p</sup>	17 ± 2.0 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					434 ± 11.9
Positive Control <sup>3</sup>			280 ± 23.7	172 ± 3.8	
Positive Control <sup>8</sup>	644 ± 14.7	442 ± 7.2			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	32 ± 2.3
33.0	
100.0	30 ± 3.0
333.0	26 ± 2.0
1000.0	16 ± 1.5
3333.0	18 ± 0.9 <sup>p</sup>
10000.0	16 ± 2.1 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	509 ± 17.6
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: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

p: Precipitate

x: Slight Toxicity and Precipitate

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