

Experiment Number: **G06065B**

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

**G06: Ames Summary Data**

Test Compound: **DMDEE**

CAS Number: **6425-39-4**

Date Report Requested: **10/23/2018**

Time Report Requested: **09:54:29**

**NTP Study Number:**

G06065B

**Study Result:**

Negative

Experiment Number: G06065B

## G06: Ames Summary Data

Date Report Requested: 10/23/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: DMDEE

Time Report Requested: 09:54:29

CAS Number: 6425-39-4

## Strain: TA100

Dose (ug/plate)	Without S9	With 10% Rat S9	With 30% Rat S9		
Vehicle Control <sup>1</sup>	97.7 ± 5.3	86 ± 11.5	94.7 ± 7.0	69.7 ± 4.2	84.7 ± 0.9
500	78.3 ± 4.4	77.3 ± 6.7	103.3 ± 7.5	54.7 ± 14.6	73.7 ± 9.5
750	98.7 ± 16.0	88 ± 5.8	92 ± 3.2	68 ± 4.6	82.3 ± 5.8
1000	79.7 ± 8.8	86.7 ± 6.4	105.3 ± 9.6	78.7 ± 5.2	77.3 ± 9.5
3000	86.7 ± 4.1	95 ± 0.6	104.3 ± 10.2	66 ± 2.3	76.3 ± 3.5
6000	95.3 ± 3.2	90.3 ± 4.9	115.7 ± 11.7	73.7 ± 2.4	84 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	758.3 ± 4.7				
Positive Control <sup>3</sup>		677.3 ± 8.7	310 ± 20.7		
Positive Control <sup>4</sup>				1296 ± 2.0	325.7 ± 45.7

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**Strain: TA98**

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<b>Dose (ug/plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 30% Rat S9</b>		
Vehicle Control <sup>1</sup>	12.3 ± 1.7	20.7 ± 3.4	17.7 ± 2.7	23.7 ± 2.3	16 ± 2.9
500	13 ± 3.1	24.7 ± 4.6	27.7 ± 3.3	19 ± 1.2	20.3 ± 1.9
750	23 ± 4.0	23 ± 2.0	20.3 ± 1.3	21.3 ± 2.2	18 ± 2.9
1000	17.7 ± 2.4	19 ± 3.2	31.3 ± 1.3	20.3 ± 2.3	17.3 ± 0.3
3000	16.7 ± 3.2	22.3 ± 2.0	21 ± 1.2	16.3 ± 2.7	17.3 ± 2.0
6000	17 ± 3.5	26.3 ± 1.5	22.3 ± 3.2	17.7 ± 3.8	20.3 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>		1480.3 ± 78.6	331 ± 13.7	469.7 ± 54.9	107 ± 24.1
Positive Control <sup>6</sup>	661 ± 18.0				

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Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: DMDEE

Time Report Requested: 09:54:29

CAS Number: 6425-39-4

## Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	With 10% Rat S9	With 30% Rat S9			
Vehicle Control <sup>1</sup>	137.7 ± 11.2	205 ± 5.6	215.3 ± 14.4	137.3 ± 5.8	124.7 ± 7.3	
500	135 ± 9.1	204 ± 7.0	211.3 ± 9.4	155.3 ± 15.0	139.3 ± 3.2	
750	125.3 ± 12.4	199.3 ± 4.3	191.3 ± 10.7	138.3 ± 3.7	145.5 ± 12.5	
1000	138.3 ± 3.7	189.7 ± 7.8	194.7 ± 7.0	144.7 ± 7.7	136 ± 8.0	
3000	146.7 ± 6.4	207.3 ± 0.9	191 ± 12.1	135.7 ± 11.3	130.3 ± 7.5	
6000	123.3 ± 0.9	215 ± 9.0	210.3 ± 10.9	147 ± 8.1	131 ± 13.1	
Trial Summary	Negative	Negative	Negative	Negative	Negative	
Positive Control <sup>7</sup>	1459.3 ± 83.2					
Positive Control <sup>8</sup>		1364.3 ± 18.5	898 ± 40.9	421.3 ± 44.8		
Positive Control <sup>9</sup>					188.3 ± 8.5	
Positive Control <sup>10</sup>					213.7 ± 2.3	

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2.5 ug/plate 2-Aminoanthracene

5: 2 ug/plate 2-Aminoanthracene

6: 3 ug/plate 2-Nitrofluorene

7: 0.25 ug/plate 4-Nitroquinoline-N-oxide

8: 20 ug/plate 2-Aminoanthracene

9: 40 ug/plate 2-Aminoanthracene

10: 80 ug/plate 2-Aminoanthracene

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