

Experiment Number: **G09035**

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

**G06: Ames Summary Data**

Test Compound: **2,6-Diethylaniline (2,6-DEA)**

CAS Number: **579-66-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **22:51:14**

**NTP Study Number:**

G09035

**Study Result:**

Equivocal

Experiment Number: G09035

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,6-Diethylaniline (2,6-DEA)

CAS Number: 579-66-8

Date Report Requested: 09/15/2018

Time Report Requested: 22:51:14

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	75 ± 0.7	78 ± 4.9	105 ± 1.9	85 ± 0.6
50.0	111 ± 8.6	105 ± 4.8	96 ± 1.5	95 ± 7.6
125.0	110 ± 10.3	103 ± 3.8	98 ± 6.6	107 ± 6.2
250.0	115 ± 10.0	122 ± 10.5	131 ± 3.6	125 ± 5.5
500.0	93 ± 7.4	85 ± 11.9	112 ± 10.9	113 ± 2.5
1000.0	Toxic	Toxic	84 ± 20.5 <sup>s</sup>	9 ± 7.0 <sup>s</sup>
1500.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Equivocal	Equivocal	Negative	Equivocal
Positive Control <sup>2</sup>	632 ± 41.6	711 ± 31.3		
Positive Control <sup>3</sup>			1982 ± 44.4	1899 ± 53.4

Experiment Number: G09035

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,6-Diethylaniline (2,6-DEA)

CAS Number: 579-66-8

Date Report Requested: 09/15/2018

Time Report Requested: 22:51:14

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	17 ± 1.5	16 ± 5.3	25 ± 4.4	23 ± 1.0
50.0	16 ± 1.7	16 ± 1.8	24 ± 0.6	21 ± 1.2
125.0	16 ± 1.2	19 ± 1.3	18 ± 3.4	22 ± 2.8
250.0	18 ± 1.2	17 ± 3.8	24 ± 4.7	25 ± 2.1
500.0	11 ± 3.8	13 ± 0.9	21 ± 3.2	18 ± 2.0
1000.0	Toxic	Toxic	14 ± 1.9 <sup>s</sup>	20 ± 4.4 <sup>s</sup>
1500.0	Toxic	Toxic	4 ± 2.5 <sup>s</sup>	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			579 ± 74.8	775 ± 41.7
Positive Control <sup>5</sup>	502 ± 23.2	504 ± 30.1		

Experiment Number: G09035  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: 2,6-Diethylaniline (2,6-DEA)  
CAS Number: 579-66-8

Date Report Requested: 09/15/2018  
Time Report Requested: 22:51:14

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	114 ± 5.2	122 ± 4.4	147 ± 4.5	146 ± 2.2
50.0	143 ± 7.4	131 ± 2.5	145 ± 6.7	148 ± 7.5
125.0	118 ± 5.8	124 ± 5.8	130 ± 14.6	129 ± 4.4
250.0	111 ± 3.7	131 ± 7.5	135 ± 7.5	146 ± 17.2
500.0	131 ± 8.1	120 ± 9.8	125 ± 3.5	140 ± 13.8
1000.0	Toxic	1 ± 0.0 <sup>s</sup>	100 ± 4.5 <sup>s</sup>	110 ± 13.6 <sup>s</sup>
1500.0	Toxic	Toxic	70 ± 31.0	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>			1130 ± 45.9	1139 ± 4.2
Positive Control <sup>7</sup>	961 ± 4.5	910 ± 48.8		

Experiment Number: **G09035**  
Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **2,6-Diethylaniline (2,6-DEA)**  
CAS Number: **579-66-8**

Date Report Requested: **09/15/2018**  
Time Report Requested: **22:51:14**

### **LEGEND**

---

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: 2.5 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

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