

Experiment Number: 241943

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3-Diethylaminophenol

CAS Number: 91-68-9

Date Report Requested: 09/10/2018

Time Report Requested: 19:27:34

**NTP Study Number:**

241943

**Study Result:**

Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	160 ± 8.4	185 ± 10.7	151 ± 14.2	260 ± 20.3	71 ± 12.4
10.0	153 ± 8.2	175 ± 6.2	170 ± 13.1	268 ± 10.1	100 ± 2.3
33.0	147 ± 5.2	181 ± 12.2	209 ± 5.8	305 ± 9.3	144 ± 6.4
100.0	153 ± 3.8	168 ± 5.3	276 ± 21.4	287 ± 5.0	155 ± 4.4
333.0	164 ± 8.7 <sup>s</sup>	181 ± 10.0	277 ± 9.6	256 ± 21.0	160 ± 14.8
666.0	91 ± 12.8 <sup>s</sup>	175 ± 6.0	184 ± 8.4 <sup>s</sup>	189 ± 3.0 <sup>s</sup>	87 ± 7.2 <sup>s</sup>
Trial Summary	Negative	Negative	Weakly Positive	Negative	Positive
Positive Control <sup>2</sup>			670 ± 9.0	506 ± 16.0	373 ± 20.5
Positive Control <sup>3</sup>	469 ± 15.7				
Positive Control <sup>4</sup>		962 ± 17.1			

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 4.3	9 ± 1.0	7 ± 1.8
10.0	25 ± 1.0	9 ± 0.9	13 ± 3.8
33.0	28 ± 0.9	9 ± 1.9	9 ± 2.3
100.0	20 ± 3.6	9 ± 1.2	6 ± 2.7
333.0	32 ± 1.3	10 ± 0.3	8 ± 1.2
666.0	10 ± 2.0 <sup>s</sup>	9 ± 1.0 <sup>s</sup>	9 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			83 ± 9.0
Positive Control <sup>3</sup>	345 ± 8.8		
Positive Control <sup>5</sup>		214 ± 13.0	

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	120 ± 8.1	70 ± 7.6	159 ± 8.8	139 ± 1.7	121 ± 3.3
1.0				167 ± 4.6	
3.3				283 ± 9.5	
10.0	118 ± 5.6	91 ± 6.7	778 ± 40.0	564 ± 11.3	480 ± 91.1
33.0	114 ± 1.5	80 ± 3.6	2163 ± 61.5	1476 ± 76.4	999 ± 414.6
100.0	119 ± 2.9	80 ± 9.5	3751 ± 48.6	3343 ± 178.6	2667 ± 122.3
333.0	115 ± 14.5	71 ± 9.5 <sup>s</sup>	4050 ± 47.1		1330 ± 46.4
666.0	93 ± 5.7 <sup>s</sup>	62 ± 8.8 <sup>s</sup>	3676 ± 103.9 <sup>s</sup>		957 ± 84.3 <sup>s</sup>
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control <sup>4</sup>					799 ± 4.6
Positive Control <sup>5</sup>			1394 ± 9.2	795 ± 21.7	
Positive Control <sup>6</sup>	203 ± 29.9	246 ± 11.2			

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**G06: Ames Summary Data**

Test Compound: 3-Diethylaminophenol

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	93 ± 2.6
1.0	186 ± 10.4
3.3	311 ± 19.7
10.0	682 ± 30.1
33.0	1366 ± 61.5
100.0	1297 ± 136.5
333.0	
666.0	
Trial Summary	Positive
Positive Control <sup>4</sup>	193 ± 11.2
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 3.2	30 ± 5.2	26 ± 1.9	26 ± 1.5	30 ± 0.7
1.0			93 ± 7.4		162 ± 4.0
3.3			282 ± 13.6		724 ± 227.1
10.0	14 ± 1.0	867 ± 80.9	786 ± 10.3	1052 ± 32.6	1227 ± 43.8
33.0	14 ± 2.0	2236 ± 85.7	1923 ± 36.0	2852 ± 49.5	2773 ± 66.3
100.0	15 ± 3.2	4551 ± 15.6	3988 ± 111.9	3716 ± 117.1	3593 ± 28.7
333.0	13 ± 3.5	4677 ± 151.5		2862 ± 56.6	
666.0	13 ± 3.5 <sup>s</sup>	4165 ± 82.6 <sup>s</sup>		1507 ± 22.6	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>7</sup>				160 ± 17.3	217 ± 35.2
Positive Control <sup>2</sup>		260 ± 9.0	108 ± 0.6		
Positive Control <sup>8</sup>	177 ± 7.9				

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.5 ug/Plate 9-Aminoacridine

7: 0.2 ug/Plate 2-Aminoanthracene

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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