

Experiment Number: **097374**

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

**G06: Ames Summary Data**

Test Compound: **C.I. Acid orange 10**

CAS Number: **1936-15-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **12:53:29**

**NTP Study Number:**

097374

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: C.I. Acid orange 10

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## 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>	120 ± 3.8	109 ± 3.8	131 ± 2.3	119 ± 1.5	125 ± 4.8
100.0	109 ± 1.2	112 ± 7.1	132 ± 2.6	115 ± 1.5	118 ± 1.2
333.0	106 ± 7.6	117 ± 6.4	131 ± 4.9	113 ± 7.6	123 ± 9.6
1000.0	119 ± 4.3	108 ± 0.7	125 ± 2.6	103 ± 4.2	121 ± 4.3
3333.0	110 ± 6.4	107 ± 5.0	133 ± 3.3	116 ± 5.5	122 ± 11.5
10000.0	121 ± 1.9 <sup>s</sup>	103 ± 3.5	131 ± 5.5	119 ± 3.9	144 ± 1.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					939 ± 34.6
Positive Control <sup>3</sup>			1208 ± 33.5		
Positive Control <sup>4</sup>				1189 ± 31.5	
Positive Control <sup>5</sup>	834 ± 55.3	1164 ± 4.7			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	103 ± 10.4
100.0	108 ± 3.8
333.0	113 ± 1.8
1000.0	115 ± 6.1
3333.0	113 ± 7.6
10000.0	111 ± 2.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	1243 ± 36.8
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>	15 ± 1.9	34 ± 4.6	12 ± 0.9	11 ± 2.6	12 ± 2.2
100.0	15 ± 2.3	29 ± 3.8	9 ± 2.4	11 ± 1.3	8 ± 1.2
333.0	18 ± 5.2	21 ± 1.7	14 ± 0.9	14 ± 0.9	10 ± 1.7
1000.0	19 ± 1.0	26 ± 2.6	15 ± 1.2	12 ± 1.2	9 ± 1.0
3333.0	16 ± 1.7	28 ± 2.8	9 ± 2.0 <sup>S</sup>	12 ± 1.9	10 ± 2.9
10000.0	18 ± 2.7	28 ± 2.5	11 ± 2.9 <sup>S</sup>	11 ± 1.2	13 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					135 ± 28.3
Positive Control <sup>3</sup>			91 ± 7.9		
Positive Control <sup>4</sup>				208 ± 10.4	
Positive Control <sup>5</sup>	774 ± 15.5	899 ± 37.6			

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 2.2
100.0	13 ± 1.5
333.0	12 ± 0.6
1000.0	17 ± 0.9
3333.0	10 ± 1.2
10000.0	7 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	143 ± 6.4
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

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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>	114 ± 1.7	93 ± 3.5	142 ± 1.0	187 ± 5.6	111 ± 1.8
100.0	108 ± 4.3	96 ± 1.8	130 ± 5.5	174 ± 13.4	120 ± 7.9
333.0	96 ± 1.7	94 ± 5.7	147 ± 6.7	163 ± 9.6	135 ± 2.0
1000.0	104 ± 15.4	85 ± 5.0	140 ± 4.0	183 ± 12.0	128 ± 9.5
3333.0	111 ± 0.6	90 ± 1.2	130 ± 6.2	171 ± 7.2	129 ± 1.5
10000.0	101 ± 2.1	97 ± 1.5	119 ± 4.8	175 ± 3.8	132 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					795 ± 41.7
Positive Control <sup>3</sup>			1037 ± 9.5		
Positive Control <sup>4</sup>				534 ± 10.4	
Positive Control <sup>6</sup>	1874 ± 89.2	567 ± 28.7			

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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>	158 ± 2.7
100.0	147 ± 7.6
333.0	156 ± 10.8
1000.0	157 ± 7.0
3333.0	151 ± 5.5
10000.0	155 ± 5.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	490 ± 9.7
Positive Control <sup>6</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	14 ± 0.6	14 ± 3.2	25 ± 2.6	24 ± 0.3	35 ± 2.3
100.0	15 ± 1.8	18 ± 1.8	26 ± 3.8	29 ± 2.6	36 ± 3.4
333.0	12 ± 1.5	21 ± 3.5	29 ± 6.0	31 ± 4.0	28 ± 0.9
1000.0	19 ± 0.9	20 ± 3.2	31 ± 2.3	38 ± 2.6	37 ± 3.8
3333.0	14 ± 1.2	18 ± 2.9	27 ± 2.4	41 ± 3.7	41 ± 3.1
10000.0	20 ± 2.6	22 ± 2.3	31 ± 2.5	38 ± 2.0	37 ± 4.9
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>			1055 ± 42.6		
Positive Control <sup>4</sup>				894 ± 50.1	487 ± 22.1
Positive Control <sup>7</sup>	1371 ± 32.5	1242 ± 26.4			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 1.2	25 ± 0.6
100.0	27 ± 3.5	27 ± 0.9
333.0	31 ± 2.0	37 ± 3.8
1000.0	29 ± 1.2	28 ± 0.6
3333.0	32 ± 1.9	30 ± 0.9
10000.0	25 ± 5.2	35 ± 4.7
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	1006 ± 2.3	
Positive Control <sup>3</sup>		
Positive Control <sup>4</sup>		1053 ± 37.3
Positive Control <sup>7</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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

\*\* END OF REPORT \*\*