

Experiment Number: 203446

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

**G06: Ames Summary Data**

Test Compound: **C.I. Solvent black 5**

CAS Number: 11099-03-9

Date Report Requested: **09/14/2018**

Time Report Requested: **08:51:34**

**NTP Study Number:** 203446

**Study Result:** Positive

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Test Type: Genetic Toxicology - Bacterial  
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## G06: Ames Summary Data

Test Compound: C.I. Solvent black 5

CAS Number: 11099-03-9

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	135 ± 2.3	149 ± 8.8	160 ± 0.9	130 ± 7.8	142 ± 5.6
1.0		161 ± 8.1	137 ± 13.3		154 ± 11.7
3.0		139 ± 2.0	151 ± 3.7		121 ± 13.7
10.0	163 ± 1.9	147 ± 8.4	145 ± 2.7		165 ± 9.7
33.0	138 ± 7.2	134 ± 6.2	136 ± 3.3	200 ± 2.0	150 ± 4.6
100.0	125 ± 1.5 <sup>p</sup>	136 ± 6.4 <sup>p</sup>	127 ± 1.2 <sup>p</sup>	196 ± 17.6 <sup>p</sup>	153 ± 12.0 <sup>p</sup>
333.0	94 ± 5.2 <sup>p</sup>			137 ± 5.8 <sup>p</sup>	
666.0	45 ± 2.7 <sup>x</sup>				
1000.0				117 ± 9.2 <sup>p</sup>	
1666.0				126 ± 8.6 <sup>p</sup>	
3333.0					
6666.0					
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>		516 ± 14.1	374 ± 16.5		
Positive Control <sup>3</sup>	620 ± 21.0				
Positive Control <sup>4</sup>				392 ± 33.0	787 ± 42.9

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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>	159 ± 0.6
1.0	
3.0	
10.0	
33.0	
100.0	133 ± 5.8 <sup>P</sup>
333.0	115 ± 14.1 <sup>P</sup>
666.0	
1000.0	112 ± 17.7 <sup>P</sup>
1666.0	
3333.0	122 ± 7.4 <sup>P</sup>
6666.0	93 ± 46.5 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	529 ± 8.4
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 3.2	29 ± 2.3	26 ± 3.1	29 ± 0.6	34 ± 3.3
1.0			25 ± 6.1	21 ± 1.2	
3.0			27 ± 2.3	34 ± 3.8	
10.0	16 ± 2.7		40 ± 20.0	47 ± 3.2	
33.0	16 ± 1.0	117 ± 10.8	99 ± 3.4	84 ± 6.1	
100.0	16 ± 1.5 <sup>P</sup>	77 ± 38.9 <sup>P</sup>	56 ± 28.5 <sup>P</sup>	119 ± 6.9 <sup>P</sup>	27 ± 2.7 <sup>P</sup>
333.0	14 ± 1.5 <sup>P</sup>	46 ± 3.5 <sup>P</sup>			24 ± 1.3 <sup>P</sup>
666.0	13 ± 1.5 <sup>P</sup>				
1000.0		23 ± 2.2 <sup>P</sup>			15 ± 2.5 <sup>P</sup>
1666.0		18 ± 4.0 <sup>P</sup>			
3333.0					20 ± 2.5 <sup>P</sup>
6666.0					15 ± 1.5 <sup>P</sup>
Trial Summary	Negative	Positive	Positive	Positive	Negative
Positive Control <sup>2</sup>		115 ± 7.3	159 ± 17.1	161 ± 14.8	251 ± 0.9
Positive Control <sup>5</sup>	645 ± 32.0				

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

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