

Experiment Number: A84036

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Aminoanthracene

CAS Number: 613-13-8

Date Report Requested: 09/18/2018

Time Report Requested: 03:53:44

**NTP Study Number:**

A84036

**Study Result:**

Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	49 ± 2.1	66 ± 2.7	49 ± 3.2	64 ± 5.0
1.0	56 ± 6.3		240 ± 9.4	342 ± 33.5
10.0	63 ± 9.6		1109 ± 21.1	1431 ± 51.4
20.0	64 ± 3.5		812 ± 38.9	1047 ± 56.6
30.0	69 ± 9.8		758 ± 32.2	1044 ± 35.8
40.0	64 ± 4.7		729 ± 22.3	1039 ± 12.9
50.0		79 ± 5.1		
100.0		84 ± 7.8		
200.0		104 ± 2.2		
300.0		107 ± 4.0		
400.0		122 ± 4.3		
Trial Summary	Negative	Positive	Positive	Positive
Positive Control <sup>2</sup>	218 ± 31.1			
Positive Control <sup>3</sup>		357 ± 4.1		
Positive Control <sup>4</sup>			432 ± 7.4	297 ± 5.0

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	16 ± 1.7	20 ± 3.5	24 ± 2.6	31 ± 1.5
1.0	22 ± 3.1		244 ± 9.4	464 ± 35.8
10.0	29 ± 3.8		1074 ± 66.6	1484 ± 91.1
20.0	32 ± 2.0		1165 ± 57.3	1633 ± 21.7
30.0	33 ± 1.9		1296 ± 37.0	1542 ± 144.9
40.0	40 ± 1.5		1157 ± 49.7	1485 ± 149.5
50.0		37 ± 1.5		
100.0		48 ± 11.4		
200.0		41 ± 1.7		
300.0		43 ± 1.0		
400.0		53 ± 5.5		
Trial Summary	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>			426 ± 46.2	373 ± 28.9
Positive Control <sup>5</sup>	195 ± 13.2	502 ± 22.3		

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## 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>	7 ± 1.7	8 ± 0.6	7 ± 1.5	11 ± 2.7
1.0	6 ± 1.7		10 ± 1.9	11 ± 4.0
10.0	14 ± 1.3		78 ± 3.7	38 ± 10.3
20.0	16 ± 2.9		122 ± 4.0	85 ± 9.0
30.0	14 ± 2.0		117 ± 6.3	69 ± 7.4
40.0	14 ± 2.0		120 ± 8.2	68 ± 2.2
50.0		12 ± 4.0		
100.0		8 ± 1.5		
200.0		14 ± 1.9		
300.0		8 ± 1.2		
400.0		8 ± 1.5		
Trial Summary	Positive	Negative	Positive	Positive
Positive Control <sup>6</sup>	450 ± 10.7	420 ± 24.5		

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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>	230 ± 2.2	145 ± 7.1	227 ± 2.9	203 ± 13.7
1.0			278 ± 9.3	269 ± 13.2
2.0			313 ± 13.9	332 ± 16.5
5.0			530 ± 23.4	558 ± 2.3
10.0			772 ± 15.4	568 ± 13.2
20.0			846 ± 8.0	740 ± 16.7
100.0	137 ± 3.5	165 ± 4.3		
500.0	146 ± 9.0	166 ± 6.8		
1000.0	219 ± 10.9	165 ± 0.9		
5000.0	136 ± 7.5	187 ± 5.3		
10000.0	135 ± 4.2	193 ± 8.3		
Trial Summary	Negative	Negative	Positive	Positive
Positive Control <sup>7</sup>			759 ± 19.9	
Positive Control <sup>6</sup>	833 ± 54.0	627 ± 10.9		

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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: 1.0 ug/Plate Sodium Azide

3: 1.0 nmoles/L Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate 2-Nitrofluorene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

7: 20.01 ug/Plate 2-Aminoanthracene

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