

Experiment Number: 494135

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

CAS Number: **613-13-8**

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

Time Report Requested: **23:34:26**

NTP Study Number:

494135

Study Result:

Positive

Experiment Number: 494135

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **2-Aminoanthracene**

Time Report Requested: 23:34:26

CAS Number: 613-13-8

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	174 ± 11.1	211 ± 8.4	204 ± 10.3	200 ± 13.6	218 ± 7.9
0.33			225 ± 7.8		245 ± 9.5
3.3			459 ± 22.7		1640 ± 152.7
10.0		1850 ± 40.2	2120 ± 29.9	1858 ± 62.4	556 ± 78.0 ^P
33.0	166 ± 15.6	2386 ± 54.8	877 ± 58.6	2402 ± 110.9	409 ± 7.9 ^P
100.0	148 ± 4.0 ^P	2723 ± 94.8 ^P		2674 ± 41.3 ^P	
333.0	145 ± 3.7 ^P	2742 ± 57.5 ^P		2786 ± 66.5 ^P	
1000.0	154 ± 2.4 ^P	2492 ± 166.9 ^P		2525 ± 133.1 ^P	
3333.0	148 ± 2.7 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		1687 ± 299.0	1286 ± 87.1	2241 ± 145.0	1208 ± 427.2
Positive Control ³	759 ± 23.0				

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CAS Number: 613-13-8

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.5	28 ± 1.5	26 ± 3.3	26 ± 1.9	34 ± 6.6
0.33			43 ± 1.3		38 ± 2.2
3.3			58 ± 8.3		72 ± 7.5
10.0		305 ± 13.4	206 ± 29.1	164 ± 12.2	107 ± 24.8
33.0	32 ± 1.5	93 ± 10.7	33 ± 7.3	128 ± 7.8	207 ± 35.1
100.0	13 ± 0.9 ^P	98 ± 7.0 ^P		128 ± 4.6 ^P	
333.0	18 ± 1.0 ^P	95 ± 10.0 ^P		97 ± 6.9 ^P	
1000.0	21 ± 0.9 ^P	72 ± 3.5 ^P		77 ± 0.3 ^P	
3333.0	18 ± 0.9 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		980 ± 27.4	74 ± 7.7	1591 ± 260.1	110 ± 23.2
Positive Control ³	510 ± 62.6				

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Test Compound: 2-Aminoanthracene

CAS Number: 613-13-8

Date Report Requested: 09/11/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.9	28 ± 0.9	6 ± 3.2	27 ± 0.0	4 ± 1.8
0.33			8 ± 1.3		8 ± 0.7
3.3			21 ± 6.8		69 ± 14.4
10.0		234 ± 33.0	125 ± 29.2	186 ± 1.9	113 ± 6.3
33.0	19 ± 1.7	165 ± 5.0	137 ± 23.2	166 ± 3.5	118 ± 9.2
100.0	17 ± 0.9 ^P	111 ± 1.3 ^P		111 ± 3.8 ^P	
333.0	17 ± 0.9 ^P	114 ± 3.4 ^P		108 ± 2.5 ^P	
1000.0	14 ± 0.9 ^P	73 ± 0.9 ^P		83 ± 2.1 ^P	
3333.0	17 ± 1.3 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		1438 ± 312.0	80 ± 18.0	2100 ± 63.3	48 ± 2.5
Positive Control ⁴	673 ± 43.9				

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **2-Aminoanthracene**

Time Report Requested: 23:34:26

CAS Number: 613-13-8

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 ¹	30 ± 1.7	37 ± 2.6	17 ± 2.8	40 ± 0.9	21 ± 1.7
0.33			33 ± 3.8		42 ± 5.0
3.3			167 ± 14.2		461 ± 34.3
10.0		1959 ± 43.2	1516 ± 45.6	1956 ± 33.3	1771 ± 29.2
33.0	28 ± 1.2	2213 ± 72.1	1888 ± 68.5	2160 ± 34.4	1764 ± 77.9
100.0	29 ± 1.5 ^P	2597 ± 51.5 ^P		2570 ± 28.1 ^P	
333.0	28 ± 4.1 ^P	2690 ± 106.3 ^P		2741 ± 45.8 ^P	
1000.0	24 ± 0.9 ^P	2535 ± 131.8 ^P		2471 ± 150.2 ^P	
3333.0	23 ± 1.8 ^P				
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		1287 ± 266.5	788 ± 122.9	2168 ± 202.1	1764 ± 155.4
Positive Control ⁵	681 ± 22.6				

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****