Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

NTP Study Number: 176022

Study Result: Positive

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	100 ± 6.8	155 ± 1.3	117 ± 10.1	102 ± 3.5	165 ± 5.2
0.3					269 ± 24.7
3.0	121 ± 15.7	173 ± 9.3	178 ± 6.7	1450 ± 37.2	2167 ± 70.5
10.0	166 ± 3.8	201 ± 16.3	176 ± 5.5	655 ± 51.6	3392 ± 74.2
33.0	175 ± 13.8	208 ± 12.2	192 ± 14.7	60 ± 5.2	0 ± 0.0[s]
100.0	213 ± 7.0	215 ± 5.3	214 ± 4.1	36 ± 18.1	
333.0	220 ± 18.3	209 ± 5.9[p]	215 ± 3.8[p]	0 ± 0.0[s]	
Trial Summary	Positive	Equivocal	Positive	Positive	Positive
1.02				591 ± 17.1	1151 ± 50.8
Positive Control[3]	316 ± 14.8	579 ± 5.5	403 ± 9.3		

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	124 ± 10.7	154 ± 9.6
0.3		907 ± 34.9
3.0	1446 ± 37.9	3069 ± 45.4
10.0	580 ± 90.1	1581 ± 122.7
33.0	121 ± 9.5	820 ± 120.2[p]
100.0	0 ± 0.0[s]	
333.0	0 ± 0.0[s]	
Trial Summary	Positive	Positive
1.02	1185 ± 22.3	2803 ± 38.8
Positive Control[3]		

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	33 ± 3.2	58 ± 3.5	23 ± 2.2	30 ± 5.5	47 ± 5.1
0.3					74 ± 6.8
3.0	27 ± 5.5	48 ± 13.9	37 ± 3.7	192 ± 3.7	304 ± 7.2
10.0	26 ± 3.6	45 ± 3.7	39 ± 0.3	237 ± 24.5	543 ± 105.2
33.0	45 ± 5.6	50 ± 8.5	45 ± 6.0	0 ± 0.0[s]	0 ± 0.0[s]
100.0	36 ± 5.0	51 ± 6.3	54 ± 2.5	0 ± 0.0[s]	
333.0	39 ± 0.9[p]	45 ± 3.8[p]	62 ± 3.8[p]	0 ± 0.0[s]	
Trial Summary	Negative	Negative	Positive	Positive	Positive
1.02					
567 ± 14.4	320 ± 25.8				

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 2.4	47 ± 1.7
0.3		135 ± 12.8
3.0	339 ± 20.5	625 ± 10.9
10.0	285 ± 32.0	894 ± 36.2
33.0	0 ± 0.0[s]	746 ± 36.4[p]
100.0	0 ± 0.0[s]	
333.0	0 ± 0.0[s]	
Trial Summary	Positive	Positive
1.02	Positive Control[3]	387 ± 19.4
567 ± 14.4	Positive Control[4]	

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	5 ± 1.8	6 ± 1.5	6 ± 2.2	9 ± 1.7	12 ± 2.6
0.3					26 ± 7.2
3.0	12 ± 2.6	12 ± 3.2	14 ± 2.9	294 ± 18.7	183 ± 2.3
10.0	14 ± 4.1	11 ± 1.9	12 ± 1.5	24 ± 5.1	145 ± 18.4
33.0	13 ± 2.0	16 ± 1.2	17 ± 1.5	0 ± 0.0[s]	0 ± 0.0[s]
100.0	16 ± 1.0	15 ± 3.1	21 ± 4.0	0 ± 0.0[s]	
333.0	21 ± 2.8	11 ± 5.5[p]	29 ± 3.2[p]	0 ± 0.0[s]	
Trial Summary	Equivocal	Equivocal	Positive	Positive	Positive
1.02					
		152 ± 6.3	177 ± 17.8	380 ± 13.1	413 ± 2.5

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.5	9 ± 1.8
0.3		54 ± 14.7
3.0	277 ± 10.6	288 ± 57.0
10.0	22 ± 4.5	29 ± 14.8
33.0	0 ± 0.0[s]	18 ± 17.7[s]
100.0	0 ± 0.0[s]	
333.0	0 ± 0.0[s]	
Trial Summary	Positive	Positive
1.02	Positive Control[4]	
	Positive Control[5]	428 ± 44.2

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	23 ± 4.6	27 ± 0.6	18 ± 1.5	35 ± 8.8	55 ± 7.0
0.3					194 ± 11.0
3.0	28 ± 2.2	38 ± 6.8	39 ± 1.5	1359 ± 92.6	1816 ± 50.5
10.0	43 ± 3.8	44 ± 2.7	34 ± 5.0	785 ± 56.2	2838 ± 42.3
33.0	36 ± 4.5	46 ± 3.1	48 ± 2.3	348 ± 170.2	117 ± 35.9[s]
100.0	31 ± 1.2	49 ± 6.4	37 ± 2.6	167 ± 54.4	
333.0	48 ± 3.2	47 ± 7.5[p]	54 ± 12.7[p]	76 ± 19.7	
Trial Summary	Negative	Negative	Equivocal	Positive	Positive
Positive Control[2]				521 ± 4.2	871 ± 14.4
Positive Control[6]	614 ± 49.1	828 ± 30.1	832 ± 6.6		

Experiment Number: **176022**

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

G06: Ames Summary Data

Test Compound: **2-Aminoanthracene**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:34:52**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	29 ± 4.5	56 ± 2.3
0.3		326 ± 243.5
3.0	1263 ± 17.9	1650 ± 775.4
10.0	562 ± 13.0	1473 ± 246.4
33.0	112 ± 13.8	1503 ± 263.6[p]
100.0	131 ± 15.9	
333.0	105 ± 15.3	
Trial Summary	Positive	Positive
Positive Control[2]	968 ± 33.8	2400 ± 83.0
Positive Control[6]		

LEGEND

Values given as Mean or Mean ± 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: 95% Ethanol
2: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity

** END OF REPORT **