Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

NTP Study Number: 849964

Study Result: Negative

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	136 ± 4.2	166 ± 8.2	120 ± 6.9	143 ± 9.0	119 ± 7.0
33.0	139 ± 7.0	156 ± 14.5	125 ± 3.9	146 ± 6.7	135 ± 5.7
100.0	138 ± 4.6	164 ± 13.4	124 ± 1.5[p]	142 ± 5.2[p]	135 ± 3.8[p]
333.0	142 ± 7.4	153 ± 13.9	114 ± 5.7[p]	142 ± 3.7[p]	120 ± 10.0[p]
1000.0	136 ± 4.0	150 ± 7.2	127 ± 4.2[p]	124 ± 5.2[p]	105 ± 6.8[p]
3333.0	136 ± 4.7	127 ± 9.5	113 ± 9.5[p]	103 ± 4.7[p]	102 ± 8.4[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					2494 ± 52.1
Positive Control[3]			1481 ± 76.4	1356 ± 47.1	
Positive Control[4]	2531 ± 71.9	2809 ± 38.1			

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	127 ± 1.5
33.0	124 ± 4.6
100.0	118 ± 2.7[p]
333.0	121 ± 2.6[p]
1000.0	112 ± 5.8[p]
3333.0	115 ± 4.5[p]
Trial Summary	Negative
Positive Control[2]	1558 ± 56.8
Positive Control[3]	
Positive Control[4]	

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 3.6	34 ± 3.2	13 ± 2.8	13 ± 0.7	9 ± 0.9
33.0	43 ± 4.2	34 ± 2.4	7 ± 0.3	6 ± 1.0	11 ± 0.6
100.0	32 ± 5.8	33 ± 7.1	10 ± 2.3[p]	12 ± 2.3[p]	15 ± 1.2[p]
333.0	29 ± 5.7	27 ± 1.5	11 ± 0.7[p]	9 ± 0.9[p]	9 ± 1.2[p]
1000.0	34 ± 2.3	29 ± 3.2	10 ± 2.0[p]	10 ± 2.0[p]	12 ± 2.9[p]
3333.0	36 ± 2.6	33 ± 3.0	20 ± 2.0[p]	16 ± 1.2[p]	13 ± 2.8[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					205 ± 21.7
Positive Control[3]			131 ± 7.0	61 ± 0.7	
Positive Control[4]	2263 ± 50.0	1963 ± 21.2			

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.8
33.0	11 ± 1.8
100.0	9 ± 1.3[p]
333.0	10 ± 1.8[p]
1000.0	9 ± 0.9[p]
3333.0	9 ± 0.7[p]
Trial Summary	Negative
Positive Control[2]	70 ± 11.3
Positive Control[3]	
Positive Control[4]	

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 0.9	6 ± 1.2	11 ± 0.9	7 ± 2.2	8 ± 1.7
33.0	7 ± 0.7	7 ± 1.5	8 ± 1.3	10 ± 1.2	11 ± 0.0
100.0	8 ± 0.3	7 ± 1.8	7 ± 1.2[p]	5 ± 1.2[p]	9 ± 2.1[p]
333.0	6 ± 2.1	6 ± 1.5	9 ± 0.9[p]	8 ± 1.5[p]	8 ± 0.9[p]
1000.0	5 ± 1.2	3 ± 1.2	7 ± 1.2[p]	7 ± 0.9[p]	11 ± 3.5[p]
3333.0	8 ± 0.3	6 ± 1.5	7 ± 0.9[p]	6 ± 1.5[p]	8 ± 0.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					179 ± 37.3
Positive Control[3]			121 ± 8.6	100 ± 11.5	
Positive Control[5]	819 ± 43.3	484 ± 62.8			

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.1
33.0	9 ± 1.8
100.0	7 ± 0.7[p]
333.0	10 ± 2.0[p]
1000.0	8 ± 2.6[p]
3333.0	6 ± 2.2[p]
Trial Summary	Negative
Positive Control[2]	120 ± 10.6
Positive Control[3]	
Positive Control[5]	

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 1.3	18 ± 2.8	28 ± 3.8	39 ± 8.5	28 ± 2.5
33.0	15 ± 4.3	22 ± 1.3	30 ± 1.3	38 ± 8.1	28 ± 2.4
100.0	16 ± 2.7	19 ± 2.3	33 ± 3.4[p]	36 ± 4.0[p]	33 ± 2.2[p]
333.0	21 ± 2.6	21 ± 1.9	33 ± 3.5[p]	34 ± 2.6[p]	31 ± 2.7[p]
1000.0	20 ± 1.2	17 ± 3.7	37 ± 1.9[p]	29 ± 1.2[p]	37 ± 2.0[p]
3333.0	31 ± 0.7	25 ± 1.3	35 ± 2.5[p]	28 ± 1.2[p]	26 ± 1.2[p]
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control[2]					1878 ± 88.2
Positive Control[3]			1125 ± 60.4	1159 ± 73.2	
Positive Control[6]	2072 ± 41.7	1247 ± 41.3			

Experiment Number: **849964**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **08:34:02**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	33 ± 1.0
33.0	28 ± 6.0
100.0	26 ± 2.2[p]
333.0	33 ± 4.1[p]
1000.0	28 ± 6.5[p]
3333.0	27 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	1291 ± 82.8
Positive Control[3]	
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: Water
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **