Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

NTP Study Number: 959203

Study Result: Negative

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	86 ± 3.9	84 ± 3.3	90 ± 2.0	115 ± 4.7	89 ± 5.0
100.0	102 ± 12.0	82 ± 0.7	89 ± 2.6	95 ± 6.4	78 ± 3.1
333.0	84 ± 4.7	76 ± 3.2	77 ± 2.4	107 ± 1.5	80 ± 1.2
1000.0	103 ± 2.9	76 ± 5.7	86 ± 5.6	95 ± 10.3	80 ± 4.0
3333.0	51 ± 3.8	52 ± 8.4	66 ± 3.9	72 ± 9.9	73 ± 3.3
5000.0		18 ± 2.2	38 ± 4.6		49 ± 3.7
6666.0	5 ± 4.0[s]			13 ± 1.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					585 ± 20.2
Positive Control[3]	329 ± 2.3	399 ± 18.0			
Positive Control[4]			630 ± 29.8		
Positive Control[5]					
Positive Control[6]				595 ± 3.2	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	97 ± 9.0
100.0	114 ± 1.7
333.0	91 ± 4.4
1000.0	85 ± 6.1
3333.0	79 ± 7.8
5000.0	
6666.0	14 ± 0.9
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	461 ± 14.8
Positive Control[6]	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.7	20 ± 4.3	8 ± 0.9	13 ± 3.1	7 ± 0.9
100.0	13 ± 1.8	20 ± 3.1	8 ± 0.7	10 ± 0.7	9 ± 2.3
333.0	10 ± 2.6	21 ± 1.3	11 ± 2.2	10 ± 2.7	7 ± 1.8
1000.0	12 ± 1.8	14 ± 0.7	7 ± 0.6	7 ± 1.5	10 ± 2.7
3333.0	13 ± 1.7	8 ± 2.0	3 ± 0.6	7 ± 1.2	5 ± 1.7
5000.0	6 ± 0.9	4 ± 0.6	3 ± 0.9	5 ± 1.2[p]	3 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					57 ± 1.5
Positive Control[3]	224 ± 14.7	255 ± 9.8			
Positive Control[5]					
Positive Control[6]			142 ± 0.9	148 ± 2.8	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	9 ± 1.8
100.0	12 ± 1.7
333.0	6 ± 1.7
1000.0	6 ± 2.2
3333.0	8 ± 1.2
5000.0	5 ± 1.3[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	57 ± 1.5
Positive Control[6]	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	6 ± 1.2	9 ± 1.2	8 ± 0.3
100.0	9 ± 0.3	12 ± 1.9	6 ± 2.0
333.0	7 ± 1.5	11 ± 3.2	8 ± 1.7
1000.0	5 ± 0.9	7 ± 2.3	8 ± 0.3
3333.0	4 ± 0.7	4 ± 0.9	2 ± 0.9
5000.0	3 ± 0.7	3 ± 1.2[p]	4 ± 1.3[p]
Trial Summary	Negative	Negative	Negative
Positive Control[7]		63 ± 2.7	81 ± 9.0
Positive Control[8]	26 ± 1.2		

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	85 ± 4.6	79 ± 4.5	126 ± 5.9	187 ± 9.5	157 ± 5.2
10.0		73 ± 3.0	117 ± 12.1		150 ± 23.9
33.0		78 ± 4.0	114 ± 13.5		88 ± 8.5
100.0	89 ± 3.8	79 ± 2.5	112 ± 7.4	181 ± 7.5	75 ± 32.6
333.0	89 ± 8.8	65 ± 2.4	97 ± 12.5	183 ± 8.2	111 ± 5.6
1000.0	41 ± 1.5	6 ± 0.0	63 ± 10.0	174 ± 4.0	99 ± 8.7
3333.0	1 ± 0.3			22 ± 3.5	
5000.0	1 ± 0.3			13 ± 1.7[p]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					697 ± 20.1
Positive Control[6]			1163 ± 49.0		
Positive Control[7]				512 ± 1.7	
Positive Control[9]	177 ± 5.4	344 ± 11.9			

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	163 ± 8.1
10.0	
33.0	
100.0	176 ± 11.3
333.0	164 ± 6.7
1000.0	152 ± 13.4
3333.0	23 ± 4.0
5000.0	5 ± 1.2[p]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	681 ± 43.4
Positive Control[9]	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 0.9	15 ± 0.7	18 ± 3.8	31 ± 0.9	22 ± 2.6
100.0	14 ± 3.2	11 ± 0.6	27 ± 3.5	25 ± 1.0	28 ± 1.7
333.0	14 ± 0.9	13 ± 0.9	19 ± 0.9	24 ± 4.6	26 ± 3.8
1000.0	16 ± 3.3	12 ± 0.3	23 ± 6.2	24 ± 3.1	17 ± 1.8
3333.0	10 ± 0.9	6 ± 2.9	18 ± 1.2	17 ± 3.1	12 ± 1.5
5000.0		6 ± 0.9	10 ± 1.2		14 ± 1.7
6666.0	0 ± 0.3[s]			5 ± 1.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					131 ± 0.9
Positive Control[2]			256 ± 16.2		
Positive Control[11]	194 ± 7.8	162 ± 4.7			
Positive Control[5]				165 ± 3.3	

Experiment Number: **959203**

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

G06: Ames Summary Data

Test Compound: **p-Chlorobenzoic acid**

CAS Number: **74-11-3**

Date Report Requested: **09/17/2018**

Time Report Requested: **17:53:53**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	25 ± 1.2
100.0	27 ± 1.7
333.0	33 ± 4.4
1000.0	26 ± 2.4
3333.0	25 ± 1.5
5000.0	
6666.0	4 ± 1.2
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	85 ± 2.9
Positive Control[11]	
Positive Control[5]	

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: Dimethyl Sulfoxide
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 4.0 ug/Plate 9-Aminoacridine
9: 8.0 ug/Plate 9-Aminoacridine
10: 0.2 ug/Plate 2-Aminoanthracene
11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity

** END OF REPORT **