Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

NTP Study Number: 990849

Study Result: Negative

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	102 ± 8.1	140 ± 20.3	159 ± 5.5	173 ± 5.5	165 ± 2.9
10.0		129 ± 8.4			
33.0	140 ± 13.5	169 ± 2.7	148 ± 5.9		160 ± 5.2
100.0	132 ± 7.1	178 ± 3.2	141 ± 16.0	176 ± 10.3	171 ± 2.3
333.0	120 ± 10.7	160 ± 7.0	152 ± 12.8	179 ± 8.9	162 ± 5.5
1000.0	111 ± 4.0	165 ± 3.8	148 ± 8.6	176 ± 7.9	184 ± 3.7
1666.0	123 ± 9.9				
3333.0			141 ± 4.1	128 ± 7.4	88 ± 7.5[s]
6666.0				54 ± 11.0[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1160 ± 25.2
Positive Control[3]			567 ± 6.4		
Positive Control[4]				620 ± 25.2	
Positive Control[5]	1082 ± 40.9	961 ± 13.5			

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	150 ± 10.0
10.0	
33.0	
100.0	157 ± 7.5
333.0	188 ± 17.3
1000.0	178 ± 3.5
1666.0	
3333.0	167 ± 5.2
6666.0	95 ± 10.3
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	900 ± 12.7
Positive Control[4]	
Positive Control[5]	

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 0.6	9 ± 1.8	14 ± 0.6	12 ± 1.5	9 ± 1.9
10.0		8 ± 0.3			
33.0	8 ± 2.2	11 ± 1.7	12 ± 0.9	14 ± 3.2	8 ± 0.9
100.0	8 ± 0.0	11 ± 1.8	13 ± 3.3	7 ± 2.3	10 ± 1.8
333.0	5 ± 0.3	10 ± 1.2	8 ± 0.9	9 ± 1.3	9 ± 1.5
1000.0	8 ± 1.5	9 ± 1.0	12 ± 1.5	9 ± 0.6	12 ± 2.2
1666.0	0 ± 0.0[s]				
3333.0			10 ± 2.0	7 ± 3.2	7 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					79 ± 1.0
Positive Control[4]			126 ± 8.1		
Positive Control[5]	601 ± 67.2	715 ± 67.9			
Positive Control[6]				83 ± 11.1	

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	7 ± 2.6
10.0	
33.0	10 ± 2.3
100.0	10 ± 0.6
333.0	9 ± 1.0
1000.0	9 ± 1.9
1666.0	
3333.0	4 ± 0.7
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	299 ± 49.9
Positive Control[5]	
Positive Control[6]	

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	192 ± 14.2	169 ± 7.4	178 ± 8.2	217 ± 3.3	167 ± 7.9
10.0		180 ± 9.5			
33.0	179 ± 4.2	178 ± 3.5	202 ± 2.2	242 ± 35.1	179 ± 10.5
100.0	172 ± 6.8	208 ± 13.4	216 ± 1.8	244 ± 4.8	222 ± 1.5
333.0	181 ± 6.7	187 ± 1.8	211 ± 0.6	214 ± 13.5	192 ± 14.8
1000.0	128 ± 13.9	158 ± 9.0	176 ± 7.2	167 ± 10.8	192 ± 5.5
1666.0	0 ± 0.0[s]				
3333.0			149 ± 7.3	131 ± 7.9	143 ± 17.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					818 ± 19.8
Positive Control[3]			529 ± 39.3		
Positive Control[4]				360 ± 10.0	
Positive Control[7]	335 ± 25.2	546 ± 3.2			

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	169 ± 10.4
10.0	
33.0	191 ± 12.6
100.0	170 ± 3.2
333.0	169 ± 11.9
1000.0	170 ± 9.6
1666.0	
3333.0	100 ± 2.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	549 ± 47.2
Positive Control[4]	
Positive Control[7]	

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	17 ± 1.5	36 ± 2.4	44 ± 2.8	38 ± 0.6	29 ± 3.0
10.0		31 ± 0.9	43 ± 3.2		
33.0	16 ± 5.5	31 ± 3.8	27 ± 0.7	46 ± 5.2	
100.0	14 ± 0.7	32 ± 5.7	36 ± 2.6	47 ± 4.2	20 ± 4.5
333.0	19 ± 3.5	23 ± 1.9	34 ± 4.7	39 ± 1.3	16 ± 1.5
666.0			29 ± 1.8		
1000.0	Toxic	24 ± 3.5		46 ± 4.1	17 ± 1.9
1666.0	Toxic				
3333.0				30 ± 4.3	19 ± 2.7
6666.0					17 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]				491 ± 23.7	102 ± 7.6
Positive Control[8]	316 ± 14.3	570 ± 50.9	695 ± 43.4		

Experiment Number: **990849**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:48:19**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	33 ± 3.2	30 ± 1.3
10.0		
33.0	37 ± 2.0	
100.0	39 ± 2.8	27 ± 4.6
333.0	33 ± 3.2	24 ± 0.6
666.0		
1000.0	36 ± 2.7	20 ± 1.8
1666.0		
3333.0	28 ± 8.3[s]	12 ± 1.7
6666.0		0 ± 0.0[x]
Trial Summary	Negative	Negative
Positive Control[2]	877 ± 25.0	
Positive Control[3]		525 ± 45.2
Positive Control[8]		

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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **