Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

NTP Study Number: 142570

Study Result: Negative

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	88 ± 7.5	142 ± 4.6	128 ± 14.0	105 ± 8.5	81 ± 3.3
3.3	119 ± 7.0	135 ± 6.0	116 ± 3.5	126 ± 4.5	113 ± 5.8
10.0	114 ± 8.1	136 ± 2.5	109 ± 4.8	115 ± 9.6	112 ± 7.4
33.0	118 ± 5.9	151 ± 6.1	123 ± 7.9	128 ± 3.7	106 ± 11.0
100.0	121 ± 4.0	143 ± 10.4	122 ± 3.2	125 ± 1.3	113 ± 8.5
333.0	103 ± 13.0[s]	120 ± 8.4[s]	119 ± 11.3[s]	133 ± 12.3[s]	80 ± 1.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1559 ± 67.3
Positive Control[3]			893 ± 37.0	994 ± 38.4	
Positive Control[4]	1620 ± 26.0	2080 ± 58.4			

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	106 ± 5.9
3.3	110 ± 5.7
10.0	110 ± 3.8
33.0	105 ± 7.7
100.0	116 ± 5.0
333.0	106 ± 9.5[s]
Trial Summary	Negative
Positive Control[2]	2190 ± 78.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	27 ± 1.3	29 ± 4.4	12 ± 1.7	10 ± 3.2	10 ± 0.6
3.3	30 ± 2.6	35 ± 2.2	13 ± 1.7	10 ± 2.0	11 ± 0.3
10.0	29 ± 1.5	29 ± 6.0	10 ± 0.9	11 ± 2.1	7 ± 1.2
33.0	32 ± 2.6	33 ± 1.2	11 ± 2.3	9 ± 0.7	8 ± 0.9
100.0	36 ± 1.5	30 ± 1.5	12 ± 1.8	11 ± 0.6	7 ± 1.7
333.0	31 ± 1.8[s]	26 ± 0.7[s]	11 ± 0.3[s]	10 ± 1.2	11 ± 2.3[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					105 ± 0.7
Positive Control[3]			118 ± 8.3	58 ± 2.2	
Positive Control[4]	1214 ± 55.5	1426 ± 28.3			

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.5
3.3	12 ± 0.9
10.0	11 ± 1.3
33.0	8 ± 0.9
100.0	8 ± 0.3
333.0	13 ± 1.7
Trial Summary	Negative
Positive Control[2]	167 ± 9.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

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 ± 0.6	5 ± 0.9	10 ± 0.7	6 ± 1.5	10 ± 0.6
3.3	6 ± 1.3	8 ± 0.3	11 ± 0.9	6 ± 0.3	8 ± 0.9
10.0	5 ± 1.7	5 ± 1.2	12 ± 0.6	7 ± 2.4	9 ± 1.8
33.0	8 ± 1.2	7 ± 1.2	10 ± 0.6	7 ± 1.2	10 ± 1.0
100.0	8 ± 2.6	3 ± 1.0	12 ± 2.1	8 ± 2.3	10 ± 1.2
333.0	5 ± 0.3[s]	2 ± 0.9[s]	10 ± 1.0[s]	6 ± 2.3	10 ± 2.1[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					172 ± 14.2
Positive Control[3]			122 ± 12.0	60 ± 6.2	
Positive Control[5]	852 ± 128.6	469 ± 107.7			

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.3
3.3	11 ± 1.8
10.0	10 ± 1.9
33.0	6 ± 1.7
100.0	13 ± 2.5
333.0	9 ± 0.3
Trial Summary	Negative
Positive Control[2]	262 ± 12.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 3.5	21 ± 3.6	33 ± 1.8	25 ± 3.5	27 ± 6.2
3.3	16 ± 1.5	15 ± 0.3	29 ± 1.9	29 ± 0.9	31 ± 2.9
10.0	16 ± 1.0	20 ± 3.1	28 ± 3.8	24 ± 1.9	29 ± 4.0
33.0	19 ± 3.5	19 ± 1.8	30 ± 2.6	32 ± 2.2	33 ± 4.5
100.0	18 ± 2.0	22 ± 1.8	25 ± 2.1	24 ± 4.6	34 ± 1.8
333.0	18 ± 2.5[s]	13 ± 1.7[s]	29 ± 4.8[s]	23 ± 4.5	31 ± 0.6[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1894 ± 156.8
Positive Control[3]			1113 ± 15.9	779 ± 32.7	
Positive Control[6]	1303 ± 41.7	1707 ± 61.0			

Experiment Number: **142570**

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

G06: Ames Summary Data

Test Compound: **m-Nitrotoluene**

CAS Number: **99-08-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:06:51**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	29 ± 2.8
3.3	25 ± 1.5
10.0	26 ± 1.5
33.0	25 ± 3.4
100.0	28 ± 1.2
333.0	27 ± 3.3[s]
Trial Summary	Negative
Positive Control[2]	2059 ± 84.9
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: Dimethyl Sulfoxide
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
s: Slight Toxicity

** END OF REPORT **