Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

NTP Study Number: 692737

Study Result: Negative

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	145 ± 1.5	120 ± 4.7	154 ± 16.5	117 ± 7.8	160 ± 11.8
3.0	151 ± 6.1	118 ± 8.5			
10.0	142 ± 7.8	105 ± 4.7	150 ± 7.6	130 ± 3.8	149 ± 5.4
33.0	139 ± 12.7	110 ± 7.5	126 ± 12.7	133 ± 7.5	148 ± 15.8
100.0	146 ± 12.4	104 ± 11.2	134 ± 7.4	147 ± 5.3	154 ± 5.5
333.0	45 ± 5.9[s]	Toxic	111 ± 6.3	114 ± 1.9	156 ± 7.4
666.0				119 ± 2.5	
1000.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	321 ± 11.7	424 ± 16.2			
Positive Control[3]			1055 ± 61.4	900 ± 15.3	2113 ± 4.8

Experiment Number: **692737**

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Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	126 ± 9.1
3.0	
10.0	133 ± 4.7
33.0	125 ± 0.9
100.0	125 ± 13.9
333.0	125 ± 7.0
666.0	137 ± 5.7
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1895 ± 83.7

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 3.7	15 ± 1.7	7 ± 2.5	10 ± 1.9	10 ± 1.7
3.0	22 ± 3.7	10 ± 1.5			
10.0	22 ± 3.0	11 ± 1.2	9 ± 1.5	10 ± 2.8	7 ± 2.0
33.0	20 ± 5.5	14 ± 1.5	8 ± 2.5	10 ± 2.1	9 ± 3.2
100.0	20 ± 3.9	18 ± 5.2	7 ± 2.3	7 ± 2.9	11 ± 3.5
333.0	2 ± 1.2[s]	0 ± 0.0[s]	11 ± 1.9	11 ± 1.5	7 ± 0.9
666.0				9 ± 3.0	
1000.0			Toxic		3 ± 1.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	384 ± 17.9	396 ± 2.3			
Positive Control[4]			255 ± 18.4	313 ± 77.0	429 ± 31.8

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	12 ± 2.1
3.0	
10.0	6 ± 1.7
33.0	10 ± 2.6
100.0	10 ± 1.5
333.0	8 ± 0.7
666.0	Toxic
1000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	507 ± 35.4

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.6	5 ± 2.6	13 ± 2.9	6 ± 0.9	5 ± 1.9
3.0	12 ± 3.0	4 ± 0.6			
10.0	9 ± 2.6	3 ± 0.7	11 ± 2.5	5 ± 1.3	7 ± 2.5
33.0	9 ± 0.0	4 ± 0.3	9 ± 1.5	6 ± 0.7	6 ± 0.9
100.0	5 ± 0.6	3 ± 0.9	8 ± 0.7	8 ± 0.7	7 ± 1.0
333.0	0 ± 0.0[s]	Toxic	6 ± 1.5	6 ± 1.0	8 ± 2.6
666.0				6 ± 1.3	
1000.0			0 ± 0.0[s]		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			238 ± 4.4	283 ± 14.2	385 ± 63.6
Positive Control[5]	99 ± 3.5	100 ± 18.2			

Experiment Number: **692737**

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

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Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 2.6
3.0	
10.0	9 ± 2.3
33.0	6 ± 1.2
100.0	8 ± 2.6
333.0	6 ± 1.5
666.0	Toxic
1000.0	
Trial Summary	Negative
Positive Control[4]	353 ± 32.0
Positive Control[5]	

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	25 ± 0.9	22 ± 2.7	38 ± 6.7	24 ± 2.6	28 ± 1.9
3.0	25 ± 0.6	24 ± 1.9			
10.0	24 ± 3.7	16 ± 0.9	28 ± 4.3	29 ± 2.3	22 ± 2.2
33.0	24 ± 3.3	17 ± 1.5	26 ± 4.1	30 ± 0.9	25 ± 4.1
100.0	19 ± 3.5	36 ± 22.3	27 ± 1.2	34 ± 2.7	25 ± 2.1
333.0	Toxic	0 ± 0.0[s]	21 ± 3.7	31 ± 3.8	27 ± 0.7
666.0				32 ± 0.5	
1000.0			0 ± 0.0[s]		10 ± 5.4[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			613 ± 12.5	640 ± 8.7	1845 ± 75.2
Positive Control[6]	830 ± 33.4	760 ± 8.0			

Experiment Number: **692737**

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

G06: Ames Summary Data

Test Compound: **o-Nitrotoluene**

CAS Number: **88-72-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:50:00**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	28 ± 4.6
3.0	
10.0	35 ± 1.7
33.0	29 ± 1.8
100.0	27 ± 1.3
333.0	28 ± 2.6
666.0	0 ± 0.0[s]
1000.0	
Trial Summary	Negative
Positive Control[3]	1761 ± 147.7
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: 1.0 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **