Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

NTP Study Number: 087472

Study Result: Negative

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	126 ± 5.9	123 ± 9.0	130 ± 10.3	116 ± 3.4	125 ± 7.4
10.0		129 ± 2.9			
33.0	113 ± 11.4	128 ± 2.3	112 ± 10.1	136 ± 18.9	96 ± 5.2
100.0	107 ± 4.6	132 ± 9.9	135 ± 12.3	166 ± 9.2	127 ± 6.6
333.0	108 ± 4.3	104 ± 6.1	109 ± 2.9	163 ± 11.6	111 ± 9.8
1000.0	115 ± 6.1	98 ± 1.5	99 ± 4.2	152 ± 10.5	130 ± 0.9
1666.0	80 ± 14.7			161 ± 5.2	
3333.0			74 ± 5.5		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]			541 ± 7.2	435 ± 23.4	1599 ± 57.7
Positive Control[3]	647 ± 15.5	412 ± 6.4			

Experiment Number: **087472**

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G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	148 ± 1.5
10.0	
33.0	121 ± 5.8
100.0	151 ± 3.7
333.0	161 ± 10.2
1000.0	162 ± 10.8
1666.0	159 ± 4.7
3333.0	
Trial Summary	Negative
Positive Control[2]	1029 ± 58.4
Positive Control[3]	

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.4	14 ± 4.2	8 ± 0.3	12 ± 3.7	12 ± 2.9
10.0		10 ± 1.9			
33.0	25 ± 0.9	13 ± 2.3	10 ± 1.0	7 ± 0.6	12 ± 1.2
100.0	27 ± 1.0	11 ± 1.0	10 ± 0.6	12 ± 1.8	10 ± 1.0
333.0	21 ± 2.3	12 ± 1.8	9 ± 0.9	8 ± 0.7	13 ± 0.3
1000.0	23 ± 3.2	9 ± 1.3	10 ± 1.0	15 ± 1.5	10 ± 1.3
1666.0	19 ± 3.8			11 ± 1.5	
3333.0			6 ± 1.2		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	526 ± 28.2	330 ± 8.2			
Positive Control[4]			340 ± 9.8	263 ± 8.7	518 ± 30.8

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 0.9
10.0	
33.0	7 ± 1.2
100.0	8 ± 1.5
333.0	10 ± 4.1
1000.0	14 ± 0.9
1666.0	15 ± 1.8
3333.0	
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	557 ± 67.0

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	112 ± 7.1	158 ± 6.1	173 ± 6.4	159 ± 15.9	176 ± 4.7
10.0		150 ± 5.3			
33.0	140 ± 8.7	159 ± 4.6	162 ± 2.2	155 ± 8.6	165 ± 4.3
100.0	133 ± 7.9	143 ± 10.4	169 ± 1.5	169 ± 15.4	185 ± 10.4
333.0	136 ± 10.9	147 ± 2.6	165 ± 1.5	178 ± 14.0	187 ± 7.5
1000.0	134 ± 2.7	109 ± 5.2	144 ± 19.4	146 ± 6.9	180 ± 7.0
1666.0	83 ± 9.5[s]			153 ± 9.3	
3333.0			111 ± 27.7		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			975 ± 1.8	612 ± 26.0	1885 ± 34.6
Positive Control[5]	1837 ± 73.6	1511 ± 183.2			

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	164 ± 14.2
10.0	
33.0	176 ± 7.8
100.0	180 ± 8.3
333.0	208 ± 13.5
1000.0	195 ± 7.2
1666.0	200 ± 10.7
3333.0	
Trial Summary	Negative
Positive Control[4]	1412 ± 30.1
Positive Control[5]	

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 2.6	23 ± 3.2	26 ± 0.7	34 ± 3.9	41 ± 2.3
10.0		19 ± 3.0			
33.0	21 ± 1.8	19 ± 4.3		25 ± 1.9	39 ± 0.7
100.0	24 ± 2.3	19 ± 2.5	25 ± 2.0	32 ± 3.8	33 ± 2.0
333.0	23 ± 1.0	18 ± 4.0	23 ± 3.0	36 ± 9.0	45 ± 3.2
1000.0	19 ± 3.8	18 ± 2.8	29 ± 1.5	34 ± 4.4	50 ± 3.8
1666.0	14 ± 3.9			43 ± 1.9	
3333.0			14 ± 1.3		0 ± 0.0
10000.0			0 ± 0.0[s]		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			282 ± 9.1	254 ± 10.0	1603 ± 28.0
Positive Control[6]	1437 ± 18.1	1692 ± 24.4			

Experiment Number: **087472**

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

G06: Ames Summary Data

Test Compound: **o-Nitroaniline**

CAS Number: **88-74-4**

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

Time Report Requested: **06:40:07**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	32 ± 3.8
10.0	
33.0	29 ± 0.9
100.0	27 ± 5.4
333.0	32 ± 2.6
1000.0	45 ± 1.3
1666.0	39 ± 3.2
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[2]	541 ± 29.7
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 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
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 **