Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

NTP Study Number: 759766

Study Result: Positive

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	117 ± 3.8	129 ± 4.4	174 ± 10.1	142 ± 4.9	139 ± 7.2
100.0	124 ± 7.5	126 ± 4.4	158 ± 13.7	151 ± 5.7	165 ± 5.8
333.0	128 ± 0.9	128 ± 9.0	157 ± 9.6	163 ± 3.2	171 ± 9.0
1000.0	129 ± 13.1	142 ± 7.1	168 ± 11.7	162 ± 2.7	187 ± 12.5
3333.0	137 ± 8.5	133 ± 0.9	133 ± 10.2	181 ± 4.2	188 ± 5.5
6666.0	89 ± 6.0[s]	70 ± 6.2[s]	66 ± 5.2[s]	187 ± 4.9[s]	99 ± 10.4[s]
Trial Summary	Negative	Negative	Negative	Equivocal	Equivocal
Positive Control[2]					
Positive Control[3]	465 ± 5.3				
Positive Control[4]		1095 ± 41.7	615 ± 50.1		
Positive Control[5]					
Positive Control[6]				718 ± 12.4	713 ± 22.6

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA100

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	134 ± 4.9	162 ± 11.2	128 ± 6.8	136 ± 1.5
100.0	133 ± 9.6	153 ± 9.0	150 ± 8.2	148 ± 8.3
333.0	132 ± 12.4	180 ± 6.7	159 ± 9.4	160 ± 11.1
1000.0	157 ± 8.5	193 ± 7.8	193 ± 5.9	195 ± 16.2
3333.0	143 ± 5.4	229 ± 14.8	220 ± 20.0	258 ± 5.2
6666.0	74 ± 7.6[s]	93 ± 7.4[s]	229 ± 4.9[s]	126 ± 5.7[s]
Trial Summary	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control[2]	3057 ± 75.4	608 ± 23.9		
Positive Control[3]				
Positive Control[4]				
Positive Control[5]			684 ± 25.0	707 ± 12.4
Positive Control[6]				

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	11 ± 2.3	10 ± 1.5
100.0	11 ± 1.2	9 ± 1.5
333.0	9 ± 2.2	9 ± 2.6
1000.0	7 ± 0.7	12 ± 2.2
3333.0	8 ± 1.2	8 ± 0.6
6666.0	9 ± 3.8[s]	8 ± 0.3
Trial Summary	Negative	Negative
Positive Control[5]		60 ± 2.3
Positive Control[6]	154 ± 9.7	

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA1538

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	13 ± 0.7	16 ± 0.9
100.0	20 ± 3.4	19 ± 3.9
333.0	14 ± 2.5	18 ± 4.6
1000.0	18 ± 1.2	24 ± 2.2
3333.0	26 ± 3.2	40 ± 2.5
6666.0	30 ± 2.9	45 ± 4.0
Trial Summary	Positive	Positive
Positive Control[2]		164 ± 45.8
Positive Control[5]	203 ± 56.0	

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	22 ± 4.7	25 ± 3.0	22 ± 1.2	34 ± 1.8	27 ± 3.8
100.0	24 ± 0.9	28 ± 2.1	29 ± 6.6	33 ± 2.2	27 ± 1.5
333.0	24 ± 3.1	26 ± 3.4	25 ± 2.3	49 ± 4.8	24 ± 0.3
1000.0	23 ± 1.9	24 ± 2.4	31 ± 6.0	41 ± 4.3	26 ± 3.3
3333.0	19 ± 3.5	26 ± 1.2	28 ± 1.5	51 ± 2.1	36 ± 1.8
6666.0	6 ± 6.0[s]	14 ± 1.5	11 ± 1.9[s]	51 ± 2.1[s]	33 ± 0.3[s]
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[7]					
Positive Control[2]		584 ± 32.1	263 ± 22.5		
Positive Control[5]				181 ± 10.9	170 ± 7.6
Positive Control[8]	193 ± 5.5				

Experiment Number: **759766**

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

G06: Ames Summary Data

Test Compound: **m-Anisidine**

CAS Number: **536-90-3**

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

Time Report Requested: **15:42:39**

Strain: TA98

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	22 ± 2.0	25 ± 1.9	44 ± 1.2	17 ± 6.4
100.0	27 ± 2.7	27 ± 4.2	34 ± 2.6	24 ± 2.6
333.0	24 ± 1.5	30 ± 4.2	37 ± 3.5	22 ± 1.7
1000.0	30 ± 0.3	30 ± 5.3	47 ± 3.2	26 ± 0.3
3333.0	35 ± 4.4	51 ± 2.4	66 ± 7.4	40 ± 9.6
6666.0	15 ± 2.3[s]	30 ± 3.8	53 ± 0.9[s]	44 ± 3.8
Trial Summary	Negative	Equivocal	Equivocal	Positive
Positive Control[7]	1835 ± 102.5	275 ± 20.0		
Positive Control[2]			101 ± 5.8	118 ± 10.0
Positive Control[5]				
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: 0.4 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: 0.2 ug/Plate 2-Aminoanthracene
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **