Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

NTP Study Number: 539935

Study Result: Weakly Positive

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

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]	77 ± 3.8	88 ± 6.6	86 ± 3.0	103 ± 3.0	123 ± 7.1
10.0	74 ± 1.5			124 ± 13.0	
33.0	76 ± 5.5	81 ± 1.3	91 ± 4.3	117 ± 2.7	116 ± 3.1
100.0	77 ± 6.5	79 ± 4.3	88 ± 4.1	154 ± 9.2	125 ± 3.5
333.0	62 ± 1.5[s]	75 ± 2.9	84 ± 3.8	149 ± 4.6	142 ± 8.1
1000.0	44 ± 5.8[s]	86 ± 3.3[s]	109 ± 5.1	154 ± 12.5	159 ± 3.4
2000.0		8 ± 4.1[s]	92 ± 11.2[s]		154 ± 6.4
Trial Summary	Negative	Negative	Negative	Equivocal	Equivocal
Positive Control[2]					
Positive Control[3]	252 ± 31.8				
Positive Control[4]		932 ± 60.4	355 ± 16.5		
Positive Control[5]					
Positive Control[6]				346 ± 2.8	286 ± 4.8

Experiment Number: **539935**

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

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CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	80 ± 1.2	92 ± 7.2	84 ± 7.2	119 ± 6.4	142 ± 6.8
10.0				124 ± 7.4	
33.0	87 ± 0.9	78 ± 1.5	75 ± 9.4	132 ± 22.5	131 ± 17.1
100.0	76 ± 7.8	76 ± 4.6	81 ± 1.5	151 ± 5.2	159 ± 4.2
333.0	94 ± 4.5	83 ± 5.2	90 ± 6.4	181 ± 9.0	155 ± 11.0
1000.0	95 ± 3.5	109 ± 5.1	101 ± 4.9	213 ± 2.1	210 ± 13.2
2000.0	109 ± 6.9[s]	67 ± 4.7[s]	87 ± 2.4[s]		192 ± 14.9
Trial Summary	Negative	Negative	Negative	Weakly Positive	Equivocal
Positive Control[2]		1416 ± 133.7	721 ± 51.9		
Positive Control[3]					
Positive Control[4]					
Positive Control[5]				338 ± 13.3	370 ± 20.1
Positive Control[6]	284 ± 5.1				

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

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Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	90 ± 5.5
10.0	
33.0	81 ± 3.5
100.0	93 ± 2.4
333.0	84 ± 3.5
1000.0	115 ± 13.9
2000.0	122 ± 11.6[s]
Trial Summary	Equivocal
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	340 ± 15.4
Positive Control[6]	

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA1535

Dose (ug/Plate)	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.0	7 ± 1.9	12 ± 1.8	12 ± 2.0	11 ± 2.7
33.0	14 ± 2.1	11 ± 1.3	12 ± 1.7	16 ± 3.2	14 ± 3.5
100.0	9 ± 1.7	10 ± 0.7	8 ± 1.8	16 ± 2.5	12 ± 2.5
333.0	12 ± 3.0	11 ± 0.9	10 ± 0.7	10 ± 2.3	14 ± 3.3
1000.0	4 ± 0.6	12 ± 2.8	10 ± 1.9	9 ± 2.5	12 ± 3.1
2000.0	3 ± 1.8[s]	4 ± 0.3[s]	9 ± 2.4[s]	7 ± 2.2[s]	6 ± 3.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				130 ± 4.4	71 ± 13.9
Positive Control[5]					
Positive Control[6]	156 ± 3.8	42 ± 3.8	84 ± 8.3		

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	16 ± 2.2
33.0	11 ± 2.0
100.0	11 ± 3.2
333.0	10 ± 2.7
1000.0	14 ± 2.7
2000.0	13 ± 2.1[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	126 ± 4.2
Positive Control[6]	

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	162 ± 3.6
33.0	164 ± 5.8
100.0	170 ± 5.8
333.0	166 ± 10.4
1000.0	190 ± 8.8
2000.0	212 ± 30.5
Trial Summary	Negative
Positive Control[7]	681 ± 18.3

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

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]	17 ± 7.0	23 ± 4.3	25 ± 2.3	30 ± 4.4	40 ± 7.1
10.0	19 ± 1.9			30 ± 1.5	
33.0	19 ± 3.5	25 ± 2.8	23 ± 4.4	32 ± 4.6	37 ± 2.6
100.0	20 ± 1.5	23 ± 0.3	24 ± 3.8	28 ± 3.8	41 ± 3.4
333.0	16 ± 0.9[s]	24 ± 2.0	26 ± 2.3	27 ± 4.6	51 ± 3.8
1000.0	7 ± 1.3[s]	31 ± 3.8	29 ± 1.5	39 ± 5.1[s]	51 ± 4.0
2000.0		8 ± 1.5[s]	17 ± 3.8[s]		54 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[8]					
Positive Control[2]		78 ± 1.0	173 ± 13.3		
Positive Control[9]	129 ± 11.2				
Positive Control[5]				134 ± 6.1	94 ± 2.8

Experiment Number: **539935**

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

G06: Ames Summary Data

Test Compound: **m-Phenetidine**

CAS Number: **621-33-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **01:00:21**

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	25 ± 4.0	20 ± 2.0	25 ± 0.3	26 ± 2.0	48 ± 1.2
10.0				35 ± 6.5	
33.0	30 ± 3.4	24 ± 2.9	24 ± 4.3	29 ± 2.3	44 ± 4.7
100.0	28 ± 1.5	26 ± 3.7	29 ± 2.8	23 ± 2.6	47 ± 6.4
333.0	30 ± 2.5	26 ± 3.0	29 ± 1.5	35 ± 6.0	55 ± 3.5
1000.0	33 ± 0.7	29 ± 4.4	31 ± 3.3	46 ± 2.0	76 ± 1.5
2000.0	45 ± 0.3	12 ± 1.8[s]	30 ± 1.9[s]		61 ± 1.5
Trial Summary	Equivocal	Negative	Negative	Equivocal	Equivocal
Positive Control[8]		260 ± 20.7	194 ± 5.0		
Positive Control[2]				72 ± 2.0	117 ± 12.8
Positive Control[9]					
Positive Control[5]	69 ± 3.4				

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	22 ± 2.5	19 ± 2.8
10.0		
33.0	29 ± 3.1	22 ± 0.6
100.0	22 ± 0.7	24 ± 4.6
333.0	24 ± 3.8	30 ± 1.5
1000.0	42 ± 8.4	42 ± 2.4
2000.0	53 ± 1.8[s]	32 ± 2.0[s]
Trial Summary	Weakly Positive	Weakly Positive
Positive Control[8]		
Positive Control[2]	64 ± 7.9	114 ± 5.9
Positive Control[9]		
Positive Control[5]		

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: 2.5 ug/Plate 2-Aminoanthracene
8: 0.2 ug/Plate 2-Aminoanthracene
9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **