Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

NTP Study Number: A37464

Study Result: Negative

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	113 ± 8.7	124 ± 3.0	112 ± 11.7	100 ± 8.1	82 ± 9.4
10.0		122 ± 8.2			
33.0		119 ± 11.6	117 ± 8.2		111 ± 6.7
100.0	105 ± 5.2	155 ± 11.8	113 ± 11.5	99 ± 3.4	103 ± 3.2
333.0	115 ± 0.3	114 ± 12.5	112 ± 3.6	79 ± 7.5	111 ± 8.4
1000.0	93 ± 1.7	131 ± 7.5	108 ± 1.2	79 ± 10.6	109 ± 5.6
3333.0	Toxic		22 ± 22.0[x]	101 ± 5.3[p]	0 ± 0.0[x]
10000.0	Toxic			0 ± 0.0[x]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					715 ± 62.9
Positive Control[3]	229 ± 5.4	379 ± 37.9			
Positive Control[4]			689 ± 31.2		
Positive Control[5]					
Positive Control[6]				490 ± 30.5	

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	104 ± 1.5
10.0	
33.0	
100.0	107 ± 1.5
333.0	104 ± 22.8
1000.0	122 ± 3.6
3333.0	110 ± 9.6[p]
10000.0	0 ± 0.0[x]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	645 ± 26.3
Positive Control[6]	

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 2.0	8 ± 1.2	14 ± 1.7	20 ± 1.2	12 ± 1.7
10.0	14 ± 2.8	13 ± 0.3			
33.0	16 ± 3.8	9 ± 1.8	7 ± 0.6	15 ± 0.9	14 ± 1.5
100.0	15 ± 3.8	12 ± 0.9	6 ± 2.3	14 ± 2.4	11 ± 2.0
333.0	18 ± 3.5	13 ± 0.7	6 ± 2.3	18 ± 2.4	7 ± 1.5
1000.0	26 ± 0.7	12 ± 3.5	12 ± 2.2	18 ± 2.0	10 ± 1.3
3333.0			0 ± 0.0[x]	15 ± 2.7	9 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					101 ± 7.2
Positive Control[3]	269 ± 7.0	163 ± 4.6			
Positive Control[5]					
Positive Control[6]			226 ± 6.2	113 ± 7.5	

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 1.2
10.0	
33.0	13 ± 4.1
100.0	8 ± 0.9
333.0	15 ± 0.3
1000.0	14 ± 3.1
3333.0	9 ± 2.9[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	141 ± 5.0
Positive Control[6]	

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	103 ± 4.7	140 ± 2.6	176 ± 2.6	164 ± 13.0	158 ± 16.4
10.0	100 ± 4.4	107 ± 3.0			
33.0	113 ± 12.2	175 ± 2.7	163 ± 8.3	175 ± 7.3	173 ± 1.0
100.0	124 ± 5.5	156 ± 11.8	152 ± 16.2	171 ± 12.1	113 ± 4.9
333.0	99 ± 2.3	116 ± 11.1	168 ± 10.7	149 ± 1.3	146 ± 8.4
1000.0	121 ± 5.9	111 ± 7.3	139 ± 7.3	149 ± 4.5	118 ± 5.5
3333.0			73 ± 38.7	157 ± 2.5[p]	9 ± 1.5[x]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					1221 ± 14.9
Positive Control[6]			1013 ± 74.0	418 ± 26.3	
Positive Control[7]	296 ± 29.4	455 ± 28.1			

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	146 ± 1.3
10.0	
33.0	139 ± 9.8
100.0	140 ± 7.8
333.0	132 ± 5.8
1000.0	140 ± 6.6
3333.0	138 ± 11.3[p]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	956 ± 32.1
Positive Control[7]	

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	20 ± 5.0	12 ± 1.2	19 ± 2.3	14 ± 2.0	27 ± 4.3
10.0		12 ± 3.8			
33.0		15 ± 0.7	21 ± 0.9		
100.0	13 ± 2.8	7 ± 0.9	13 ± 0.6	13 ± 2.2	18 ± 0.6
333.0	13 ± 1.7	12 ± 0.3	14 ± 1.5	24 ± 2.9	22 ± 0.3
1000.0	14 ± 3.7	8 ± 1.5	20 ± 4.3	12 ± 3.8	20 ± 3.2
3333.0	Toxic		12 ± 1.7	16 ± 3.8[p]	21 ± 2.3
10000.0	Toxic			0 ± 0.0[x]	0 ± 0.0[x]
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]			426 ± 59.9		
Positive Control[5]				176 ± 33.2	190 ± 22.0
Positive Control[8]	264 ± 19.9	249 ± 15.9			

Experiment Number: **A37464**

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

G06: Ames Summary Data

Test Compound: **Hexylamine**

CAS Number: **111-26-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **20:39:52**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	26 ± 2.0	23 ± 1.5
10.0		
33.0	20 ± 3.4	
100.0	16 ± 0.9	16 ± 2.2
333.0	16 ± 3.8	21 ± 3.2
1000.0	18 ± 2.3	17 ± 1.5
3333.0	0 ± 0.0[x]	12 ± 3.8[p]
10000.0		0 ± 0.0[x]
Trial Summary	Negative	Negative
Positive Control[2]	1140 ± 22.9	
Positive Control[5]		755 ± 37.0
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: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **