Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

NTP Study Number: 701057

Study Result: Negative

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	157 ± 3.0	143 ± 5.5	138 ± 10.1	145 ± 13.1	131 ± 4.4
1.0	143 ± 9.0	127 ± 13.0			
3.3	144 ± 0.9	139 ± 3.5		138 ± 8.5	
10.0	135 ± 5.5	133 ± 7.2	148 ± 3.5	140 ± 3.5	135 ± 14.5
33.0	142 ± 6.2	133 ± 4.3	140 ± 5.0	140 ± 4.4	137 ± 2.3
100.0	120 ± 22.6[s]	127 ± 3.8[s]	143 ± 5.5	145 ± 14.9	136 ± 2.7
333.0			123 ± 10.7[s]	153 ± 7.7	147 ± 4.9
1000.0			Toxic		126 ± 3.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1675 ± 87.0
Positive Control[3]			1341 ± 49.5	850 ± 17.1	
Positive Control[4]	2568 ± 16.0	1072 ± 17.7			

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	150 ± 11.8
1.0	
3.3	138 ± 1.2
10.0	157 ± 2.1
33.0	135 ± 0.9
100.0	136 ± 8.5
333.0	148 ± 2.6[s]
1000.0	
Trial Summary	Negative
Positive Control[2]	771 ± 29.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 1.5	28 ± 1.5	19 ± 3.7	25 ± 3.6	14 ± 0.6
1.0	25 ± 0.3	24 ± 1.5			
3.3	27 ± 4.3	21 ± 3.4		23 ± 2.3	
10.0	23 ± 3.2	26 ± 2.7	19 ± 0.9	28 ± 1.3	14 ± 0.9
33.0	31 ± 2.2	23 ± 4.3	20 ± 2.7	21 ± 2.6	16 ± 3.4
100.0	28 ± 3.8	22 ± 2.9[s]	17 ± 2.9	21 ± 1.8	15 ± 0.9
333.0			13 ± 3.2[s]	23 ± 2.1[s]	16 ± 1.2
1000.0			12 ± 0.5[s]		12 ± 1.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					139 ± 4.3
Positive Control[3]			78 ± 3.7	56 ± 3.5	
Positive Control[4]	2023 ± 41.9	863 ± 34.0			

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	24 ± 2.2
1.0	
3.3	18 ± 4.3
10.0	19 ± 1.9
33.0	23 ± 1.5
100.0	22 ± 2.3
333.0	17 ± 1.2[s]
1000.0	
Trial Summary	Negative
Positive Control[2]	53 ± 3.5
Positive Control[3]	
Positive Control[4]	

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 2.2	7 ± 1.2	5 ± 0.7	7 ± 0.9	5 ± 2.2
1.0	7 ± 0.6	10 ± 2.1			
3.3	3 ± 1.3	7 ± 2.0		6 ± 0.9	
10.0	5 ± 0.3	4 ± 1.2	10 ± 1.0	4 ± 0.6	9 ± 0.3
33.0	5 ± 2.5	7 ± 1.0	10 ± 1.2	8 ± 1.2	7 ± 1.9
100.0	7 ± 2.3	4 ± 0.3[s]	8 ± 1.2	7 ± 1.2	7 ± 1.0
333.0			7 ± 2.6[s]	7 ± 1.8[s]	7 ± 1.2
1000.0			4 ± 0.5[s]		6 ± 1.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					194 ± 4.3
Positive Control[3]			100 ± 7.6	44 ± 1.5	
Positive Control[5]	757 ± 84.2	190 ± 11.2			

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 2.4
1.0	
3.3	10 ± 2.7
10.0	5 ± 1.2
33.0	8 ± 0.9
100.0	6 ± 0.7
333.0	7 ± 1.5
1000.0	
Trial Summary	Negative
Positive Control[2]	44 ± 2.4
Positive Control[3]	
Positive Control[5]	

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	21 ± 3.8	21 ± 2.6	19 ± 0.3[s]	29 ± 3.5	28 ± 2.3
1.0	22 ± 3.5	19 ± 1.5			
3.3	18 ± 5.4	24 ± 2.1			25 ± 2.3
10.0	22 ± 3.5	23 ± 0.6	Toxic	24 ± 2.2	33 ± 6.1
33.0	24 ± 4.9	23 ± 3.0	Toxic	33 ± 2.4	31 ± 6.4
100.0	18 ± 2.2	21 ± 1.5	15 ± 2.5[s]	30 ± 2.7	27 ± 0.3
333.0			26 ± 1.0[s]	28 ± 3.2	26 ± 1.7
1000.0			21 ± 2.7[s]	27 ± 1.3[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]			1165 ± 17.2	2077 ± 37.7	690 ± 37.2
Positive Control[6]	2537 ± 53.9	1112 ± 79.8			

Experiment Number: **701057**

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

G06: Ames Summary Data

Test Compound: **n-Hexane**

CAS Number: **110-54-3**

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

Time Report Requested: **19:01:48**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	33 ± 2.9	31 ± 1.7
1.0		
3.3		31 ± 1.2
10.0	32 ± 2.7	32 ± 1.2
33.0	26 ± 1.2	32 ± 3.2
100.0	29 ± 0.3	32 ± 2.7
333.0	17 ± 2.5[s]	33 ± 1.2
1000.0	22 ± 7.5[s]	
Trial Summary	Negative	Negative
Positive Control[2]	1561 ± 64.5	778 ± 54.6
Positive Control[3]		
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: 95% Ethanol
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **