Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

NTP Study Number: 267489

Study Result: Negative

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	95 ± 3.9	121 ± 14.6	111 ± 6.8	107 ± 1.3	122 ± 4.7
0.3	127 ± 1.5	124 ± 3.0			
1.0	107 ± 4.8	133 ± 9.8		121 ± 11.7	
3.3	99 ± 1.7	120 ± 0.9	112 ± 8.2	115 ± 3.7	101 ± 11.2
10.0	113 ± 4.7	121 ± 2.3	131 ± 5.2	133 ± 8.7	136 ± 2.2
22.0	91 ± 6.0[s]	104 ± 14.0[s]			
33.0			110 ± 4.2	138 ± 2.1	127 ± 5.7
100.0			Toxic	95 ± 2.0[s]	133 ± 6.1[s]
220.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]					1146 ± 28.6
Positive Control[3]			1025 ± 30.8	859 ± 4.0	
Positive Control[4]	1395 ± 113.0	1015 ± 44.7			

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	138 ± 7.7
0.3	
1.0	130 ± 11.1
3.3	120 ± 7.2
10.0	135 ± 5.4
22.0	
33.0	121 ± 9.6
100.0	132 ± 5.5[s]
220.0	
Trial Summary	Negative
Positive Control[2]	918 ± 21.8
Positive Control[3]	
Positive Control[4]	

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 1.5	19 ± 0.9	10 ± 2.5	8 ± 1.5	11 ± 1.9
0.3	23 ± 1.5	18 ± 2.9			
1.0	18 ± 0.0	19 ± 5.0		10 ± 1.8	
3.3	17 ± 3.2	19 ± 0.0	14 ± 1.2	12 ± 1.9	13 ± 1.0
10.0	19 ± 1.9	24 ± 1.2	9 ± 1.5	13 ± 0.9	10 ± 1.8
22.0	13 ± 1.5[s]	15 ± 1.5[s]			
33.0			12 ± 1.5	11 ± 0.6	11 ± 0.7
100.0			4 ± 0.5[s]	6 ± 0.9[s]	12 ± 0.9[s]
220.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					74 ± 7.2
Positive Control[3]			82 ± 6.5	76 ± 2.0	
Positive Control[4]	907 ± 12.4	836 ± 12.5			

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.2
0.3	
1.0	11 ± 0.6
3.3	14 ± 0.3
10.0	11 ± 1.2
22.0	
33.0	13 ± 2.4
100.0	6 ± 1.2[s]
220.0	
Trial Summary	Negative
Positive Control[2]	94 ± 1.5
Positive Control[3]	
Positive Control[4]	

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	3 ± 0.7	6 ± 0.3	7 ± 0.7	8 ± 1.2	3 ± 1.2
0.3	4 ± 0.9	3 ± 0.3			
1.0	7 ± 2.3	6 ± 1.9		9 ± 1.2	
3.3	3 ± 1.2	4 ± 1.0	5 ± 0.9	8 ± 1.8	7 ± 1.5
10.0	6 ± 1.2	9 ± 1.7	7 ± 2.2	6 ± 1.2	6 ± 1.0
22.0	3 ± 0.7[s]	5 ± 0.9[s]			
33.0			6 ± 1.8	8 ± 1.2	6 ± 0.9
100.0			2 ± 0.3[s]	7 ± 1.2[s]	4 ± 0.6[s]
220.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					136 ± 8.7
Positive Control[3]			119 ± 3.0	61 ± 5.0	
Positive Control[5]	153 ± 27.2	428 ± 23.7			

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 0.7
0.3	
1.0	6 ± 1.3
3.3	12 ± 1.8
10.0	8 ± 0.7
22.0	
33.0	7 ± 2.3
100.0	6 ± 1.8[s]
220.0	
Trial Summary	Negative
Positive Control[2]	81 ± 7.8
Positive Control[3]	
Positive Control[5]	

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 0.7	17 ± 0.9	19 ± 1.5	22 ± 1.5	16 ± 2.7
0.3	14 ± 2.7	20 ± 2.5			
1.0	12 ± 1.2	17 ± 1.0		22 ± 1.8	
3.3	14 ± 3.7	18 ± 1.9	17 ± 1.0	27 ± 1.2	20 ± 1.7
10.0	11 ± 2.3	21 ± 0.7	21 ± 4.3	31 ± 2.4	28 ± 3.5
22.0	13 ± 0.9[s]	17 ± 2.7[s]			
33.0			19 ± 0.3	21 ± 1.9	24 ± 0.9
100.0			Toxic	21 ± 1.5[s]	21 ± 0.6[s]
220.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1202 ± 7.6
Positive Control[3]			1333 ± 50.9	836 ± 36.7	
Positive Control[6]	1037 ± 44.2	1463 ± 36.5			

Experiment Number: **267489**

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

G06: Ames Summary Data

Test Compound: **4-Hexylresorcinol**

CAS Number: **136-77-6**

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

Time Report Requested: **08:35:27**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	30 ± 4.1
0.3	
1.0	26 ± 2.6
3.3	34 ± 1.5
10.0	31 ± 4.6
22.0	
33.0	31 ± 1.5
100.0	27 ± 1.3[s]
220.0	
Trial Summary	Negative
Positive Control[2]	1035 ± 19.2
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: Dimethyl Sulfoxide
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 **