Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

NTP Study Number: A66714

Study Result: Negative

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	113 ± 4.5	105 ± 7.1	119 ± 5.9	107 ± 4.4	123 ± 4.1
0.03	101 ± 3.9	117 ± 3.5			
0.1	117 ± 1.0	115 ± 4.0			
0.3	103 ± 8.1	108 ± 3.6			
1.0	105 ± 2.9	112 ± 1.7	131 ± 10.0		
3.0	51 ± 2.3[s]	61 ± 3.0[s]	122 ± 10.2	95 ± 3.5	
10.0			132 ± 4.5	109 ± 7.0	128 ± 3.1
33.0			134 ± 10.3	103 ± 5.5	140 ± 8.1
100.0			97 ± 11.3[s]	117 ± 7.5	142 ± 6.2
166.0					143 ± 9.1
333.0				150 ± 13.6	139 ± 11.1
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]					
Positive Control[3]			672 ± 11.4		
Positive Control[4]	751 ± 45.4	878 ± 26.8			
Positive Control[5]				690 ± 32.3	354 ± 4.7

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	129 ± 6.0	110 ± 2.2
0.03		
0.1		
0.3		
1.0	123 ± 3.7	
3.0	107 ± 5.2	116 ± 1.0
10.0	115 ± 8.1	111 ± 2.8
33.0	119 ± 5.0	106 ± 0.3
100.0	42 ± 13.9[s]	112 ± 3.8
166.0		
333.0		65 ± 4.9[s]
Trial Summary	Negative	Negative
Positive Control[2]	695 ± 42.4	
Positive Control[3]		731 ± 31.6
Positive Control[4]		
Positive Control[5]		

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	9 ± 0.6	8 ± 0.9	13 ± 0.3	17 ± 3.5	11 ± 0.9
0.03	9 ± 0.9	5 ± 0.9			
0.1	10 ± 0.9	12 ± 1.9			
0.3	10 ± 0.9	6 ± 1.0			
1.0	11 ± 0.9	6 ± 1.5	11 ± 2.0		
3.0	4 ± 0.7	3 ± 1.5[s]	13 ± 2.4		9 ± 0.3
10.0			10 ± 2.9	14 ± 1.3	11 ± 1.0
33.0			10 ± 2.3	16 ± 1.7	10 ± 1.0
100.0			4 ± 1.5[s]	15 ± 0.3	11 ± 0.9
166.0				16 ± 1.5	
333.0				15 ± 2.4	6 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					
Positive Control[4]	832 ± 11.4	928 ± 59.2			
Positive Control[5]			140 ± 1.8		
Positive Control[6]				100 ± 10.1	127 ± 1.5

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	12 ± 2.4	11 ± 1.9
0.03		
0.1		
0.3		
1.0	15 ± 1.5	
3.0	13 ± 0.9	9 ± 0.0
10.0	9 ± 1.7	12 ± 1.7
33.0	9 ± 0.3	9 ± 0.3
100.0	5 ± 1.2[s]	10 ± 0.0
166.0		
333.0		4 ± 0.6
Trial Summary	Negative	Negative
Positive Control[3]	198 ± 16.9	
Positive Control[4]		
Positive Control[5]		241 ± 22.6
Positive Control[6]		

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	126 ± 2.3	118 ± 6.4	162 ± 4.4	154 ± 0.9	156 ± 11.1
0.03	144 ± 5.6	134 ± 7.4			
0.1	139 ± 7.5	155 ± 3.3			
0.3	147 ± 5.8	128 ± 3.1			
1.0	146 ± 5.8	116 ± 5.2	169 ± 9.4		161 ± 3.5
3.0	58 ± 7.0[s]	42 ± 4.2[s]	186 ± 2.2	177 ± 4.6	164 ± 10.2
10.0			181 ± 7.6	150 ± 5.2	184 ± 4.8
33.0			168 ± 5.5	179 ± 1.5	162 ± 9.9
100.0			108 ± 22.2[s]	163 ± 6.3	75 ± 11.3[s]
333.0				113 ± 12.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					621 ± 41.8
Positive Control[3]			678 ± 6.7		
Positive Control[5]				643 ± 22.7	
Positive Control[7]	465 ± 17.6	443 ± 13.0			

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	122 ± 3.0
0.03	
0.1	
0.3	
1.0	
3.0	114 ± 2.4
10.0	148 ± 5.9
33.0	144 ± 14.6
100.0	142 ± 9.3
333.0	117 ± 11.8
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	535 ± 10.0
Positive Control[5]	
Positive Control[7]	

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 2.0	20 ± 5.0	30 ± 1.9	28 ± 0.9	30 ± 1.0
0.03	22 ± 4.6	19 ± 3.5			
0.1	22 ± 4.4	18 ± 3.5			
0.3	16 ± 1.0	25 ± 2.2			
1.0	17 ± 0.3	14 ± 2.7	30 ± 1.5		28 ± 1.9
3.0	6 ± 0.3[x]	9 ± 1.5[s]	29 ± 1.2	21 ± 2.6	26 ± 0.6
10.0			20 ± 5.2	19 ± 0.6	29 ± 2.2
33.0			27 ± 3.4	24 ± 3.2	26 ± 4.5
100.0			19 ± 0.3	20 ± 2.6	26 ± 4.4
333.0				33 ± 1.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					811 ± 7.8
Positive Control[3]			805 ± 40.7		
Positive Control[8]	326 ± 27.0	475 ± 17.7			
Positive Control[5]				573 ± 13.9	

Experiment Number: **A66714**

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

G06: Ames Summary Data

Test Compound: **Hexachlorocyclopentadiene**

CAS Number: **77-47-4**

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

Time Report Requested: **13:49:30**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	27 ± 0.6
0.03	
0.1	
0.3	
1.0	
3.0	24 ± 2.0
10.0	23 ± 2.2
33.0	25 ± 2.5
100.0	27 ± 5.2
333.0	13 ± 2.0[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	675 ± 22.9
Positive Control[8]	
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: 1.0 ug/Plate 2-Aminoanthracene
3: 2.0 ug/Plate 2-Aminoanthracene
4: 5.0 ug/Plate Sodium Azide
5: 5.0 ug/Plate 2-Aminoanthracene
6: 10.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **