Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

NTP Study Number: 749633

Study Result: Negative

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	161 ± 4.3	150 ± 11.9	160 ± 0.6	154 ± 11.9	167 ± 10.7
33.0		172 ± 4.8			
100.0	143 ± 4.0	153 ± 9.7	158 ± 12.5	157 ± 4.9	158 ± 11.8
333.0	99 ± 3.2	170 ± 9.2	134 ± 15.3	148 ± 5.0	174 ± 4.0
1000.0	121 ± 4.7	158 ± 7.7	164 ± 18.7	141 ± 6.1	169 ± 14.5
3333.0	122 ± 8.7	125 ± 14.5	147 ± 6.3	151 ± 6.9	172 ± 7.8
6666.0	Toxic				
10000.0			126 ± 22.4	146 ± 12.1	143 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1444 ± 73.0
Positive Control[3]			501 ± 7.5		
Positive Control[4]				436 ± 8.7	
Positive Control[5]	1027 ± 34.4	1271 ± 39.3			

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	152 ± 2.0
33.0	
100.0	149 ± 5.0
333.0	132 ± 5.2
1000.0	124 ± 6.9
3333.0	93 ± 10.1
6666.0	
10000.0	77 ± 11.5[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	824 ± 28.6
Positive Control[4]	
Positive Control[5]	

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 2.3	7 ± 0.7	16 ± 2.2	15 ± 1.2	10 ± 2.1
33.0	11 ± 0.3	10 ± 1.7			
100.0	13 ± 1.9	11 ± 1.8	9 ± 2.0	17 ± 2.6	9 ± 1.5
333.0	11 ± 1.8	10 ± 2.0	10 ± 1.9	15 ± 1.8	10 ± 2.0
1000.0	10 ± 0.7	7 ± 0.9	9 ± 2.3	14 ± 2.0	9 ± 0.7
3333.0	8 ± 0.9	7 ± 0.9	7 ± 1.3	15 ± 1.5	9 ± 1.2
10000.0			6 ± 0.3	12 ± 1.5	6 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					190 ± 22.0
Positive Control[4]			126 ± 16.8		
Positive Control[5]	958 ± 34.3	1044 ± 15.6			
Positive Control[6]				105 ± 3.6	

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	11 ± 2.8
33.0	
100.0	11 ± 1.0
333.0	15 ± 2.9
1000.0	11 ± 0.6
3333.0	8 ± 0.3
10000.0	8 ± 1.7
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	607 ± 16.8
Positive Control[5]	
Positive Control[6]	

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	188 ± 11.7	227 ± 5.4	202 ± 12.5	228 ± 4.7	227 ± 7.5
0.0			0 ± 0.0		
33.0	198 ± 13.4	206 ± 6.3			
100.0	203 ± 10.1	227 ± 3.7	221 ± 9.3	259 ± 11.4	234 ± 5.4
333.0	200 ± 6.4	215 ± 7.8	209 ± 6.8	256 ± 4.7	241 ± 9.1
1000.0	210 ± 8.2	195 ± 7.3	217 ± 2.2	240 ± 4.0	234 ± 4.9
3333.0	191 ± 2.6	177 ± 26.9	210 ± 11.5	223 ± 10.3	224 ± 16.9
10000.0			196 ± 8.7	214 ± 4.7	206 ± 11.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					
Positive Control[3]			374 ± 14.2		
Positive Control[4]				429 ± 13.6	442 ± 3.5
Positive Control[7]	742 ± 42.2	740 ± 18.9			

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	190 ± 11.3	200 ± 18.4
0.0		0 ± 0.0
33.0		
100.0	204 ± 1.3	213 ± 4.6
333.0	228 ± 5.8	206 ± 9.9
1000.0	194 ± 6.9	216 ± 4.7
3333.0	191 ± 20.0	214 ± 10.6
10000.0	190 ± 10.8	178 ± 5.7
Trial Summary	Negative	Negative
Positive Control[2]	921 ± 40.3	
Positive Control[3]		436 ± 2.2
Positive Control[4]		
Positive Control[7]		

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 5.2	37 ± 6.4	41 ± 4.6	37 ± 2.8	35 ± 1.2
33.0		35 ± 1.7			
100.0	27 ± 1.5	25 ± 3.6	42 ± 4.9	25 ± 0.6	37 ± 2.0
333.0	31 ± 2.7	34 ± 3.3	30 ± 5.1	20 ± 4.2	39 ± 1.2
1000.0	23 ± 3.3	34 ± 5.5	32 ± 0.7	15 ± 1.5	36 ± 2.0
3333.0	16 ± 2.3	23 ± 3.1	26 ± 3.2	17 ± 1.5	33 ± 3.8
6666.0	Toxic				
10000.0			20 ± 5.8	20 ± 0.6	28 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1182 ± 28.8
Positive Control[3]			366 ± 3.8	125 ± 31.8	
Positive Control[8]	680 ± 31.5	739 ± 68.8			

Experiment Number: **749633**

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

G06: Ames Summary Data

Test Compound: **Chloroform**

CAS Number: **67-66-3**

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

Time Report Requested: **10:48:49**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	37 ± 3.5
33.0	
100.0	30 ± 0.7
333.0	25 ± 3.7
1000.0	24 ± 4.3
3333.0	16 ± 1.0
6666.0	
10000.0	12 ± 1.8
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	542 ± 38.6
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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **