Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

NTP Study Number: 115785

Study Result: Positive

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	147 ± 7.1	144 ± 2.1	125 ± 6.4	159 ± 4.9
10.0	136 ± 6.6	134 ± 6.9	140 ± 12.5	145 ± 10.6
33.0	154 ± 13.9	179 ± 7.4	162 ± 7.5	151 ± 13.5
100.0	153 ± 8.1	177 ± 3.3	193 ± 8.5	152 ± 8.8
333.0	157 ± 5.0	228 ± 5.0	226 ± 16.3	164 ± 12.3
666.0			236 ± 5.8	
1000.0	77 ± 8.3[s]	184 ± 1.0[s]		114 ± 21.9[s]
Trial Summary	Negative	Weakly Positive	Weakly Positive	Negative
Positive Control[2]				1263 ± 17.1
Positive Control[3]		1178 ± 36.1	689 ± 15.1	
Positive Control[4]	550 ± 8.9			

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	28 ± 4.6	8 ± 1.0	13 ± 1.3
10.0	32 ± 2.7	12 ± 2.2	13 ± 2.1
33.0	29 ± 3.5	15 ± 1.5	10 ± 1.9
100.0	29 ± 1.5	11 ± 1.8	13 ± 2.0
333.0	24 ± 2.2	10 ± 1.0	8 ± 0.9
1000.0	5 ± 0.3[s]	3 ± 1.2[s]	4 ± 1.0[s]
Trial Summary	Negative	Negative	Negative
Positive Control[3]			443 ± 26.7
Positive Control[4]	461 ± 17.4		
Positive Control[5]		253 ± 20.4	

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	167 ± 7.7	114 ± 6.5	180 ± 14.8	131 ± 7.4	169 ± 14.0
10.0	188 ± 11.0	167 ± 10.1	209 ± 14.8	253 ± 16.9	227 ± 15.9
33.0	211 ± 3.8	178 ± 17.2	231 ± 16.7	273 ± 25.5	251 ± 9.0
100.0	243 ± 7.5	270 ± 52.6	327 ± 32.3	534 ± 41.5	648 ± 59.7
333.0	509 ± 50.8	630 ± 129.4	378 ± 69.0	654 ± 64.0	1182 ± 94.8
666.0		0 ± 0.0[s]		0 ± 0.0[s]	
1000.0	27 ± 15.1[s]		130 ± 8.1[s]		0 ± 0.0[s]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					546 ± 10.0
Positive Control[3]			436 ± 6.4	412 ± 8.4	
Positive Control[6]	364 ± 23.0				
Positive Control[7]		955 ± 90.4			

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	146 ± 4.3
10.0	204 ± 8.4
33.0	291 ± 20.1
100.0	559 ± 32.0
333.0	764 ± 114.1
666.0	0 ± 0.0[s]
1000.0	
Trial Summary	Positive
Positive Control[2]	1100 ± 58.0
Positive Control[3]	
Positive Control[6]	
Positive Control[7]	

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 3.3	24 ± 1.5	32 ± 4.2	39 ± 0.3	42 ± 0.0
10.0	27 ± 0.9		36 ± 4.0		39 ± 0.6
33.0	32 ± 3.4	17 ± 4.4	43 ± 0.6	35 ± 5.2	41 ± 4.5
100.0	33 ± 1.9	20 ± 3.8	50 ± 3.2	53 ± 4.4	53 ± 4.7
333.0	50 ± 3.6	36 ± 4.5	75 ± 5.2	101 ± 17.5	71 ± 6.6
666.0		48 ± 4.6		119 ± 14.9	
1000.0	48 ± 9.3[s]	16 ± 3.4[s]	123 ± 11.4[s]	36 ± 5.5[s]	115 ± 15.9[s]
Trial Summary	Weakly Positive	Weakly Positive	Positive	Positive	Positive
Positive Control[2]					781 ± 31.5
Positive Control[3]			756 ± 24.3	435 ± 46.2	
Positive Control[8]	1106 ± 40.6	833 ± 29.3			

Experiment Number: **115785**

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

G06: Ames Summary Data

Test Compound: **Quinacrine dihydrochloride**

CAS Number: **69-05-6**

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

Time Report Requested: **20:28:27**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	29 ± 2.2
10.0	
33.0	37 ± 2.3
100.0	58 ± 1.9
333.0	106 ± 10.3
666.0	97 ± 16.5
1000.0	46 ± 12.2[s]
Trial Summary	Positive
Positive Control[2]	519 ± 39.4
Positive Control[3]	
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: Water
2: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 25.0 ug/Plate 9-Aminoacridine
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **