Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

NTP Study Number: 649981

Study Result: Negative

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	90 ± 6.0	78 ± 3.4	105 ± 11.6	99 ± 0.3	111 ± 9.8
100.0	160 ± 8.7	105 ± 22.3	133 ± 7.0	99 ± 3.8	114 ± 8.5
333.0	157 ± 10.1	82 ± 5.5	129 ± 8.7	107 ± 14.7	104 ± 9.6
1000.0	126 ± 9.6[p]	88 ± 1.7[p]	113 ± 6.4[p]	109 ± 13.3[p]	90 ± 9.6[p]
3333.0	123 ± 4.7[p]	98 ± 7.1[p]	104 ± 2.3[p]	95 ± 5.0[p]	81 ± 6.4[p]
10000.0	97 ± 4.4[p]	93 ± 3.8[p]	85 ± 2.9[p]	94 ± 1.2[p]	64 ± 5.2[p]
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control[2]	377 ± 7.5	208 ± 16.4			
Positive Control[3]			389 ± 29.7	438 ± 5.6	1379 ± 19.9

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	95 ± 5.3
100.0	106 ± 3.2
333.0	83 ± 4.5
1000.0	82 ± 11.1[p]
3333.0	101 ± 12.0[p]
10000.0	96 ± 10.8[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1024 ± 61.8

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	28 ± 5.4	20 ± 3.2	7 ± 0.3	7 ± 0.7	9 ± 3.3
100.0	34 ± 1.7	30 ± 2.2	15 ± 3.0	7 ± 0.7	16 ± 0.3
333.0	34 ± 1.3	33 ± 3.2	14 ± 1.0	6 ± 0.0	22 ± 4.0
1000.0	29 ± 4.9[p]	22 ± 4.3[p]	13 ± 2.4[p]	9 ± 0.7[p]	21 ± 1.3[p]
3333.0	33 ± 4.5[p]	19 ± 2.1[p]	9 ± 0.7[p]	6 ± 0.6[p]	15 ± 0.6[p]
10000.0	22 ± 6.2[p]	15 ± 2.6[p]	5 ± 0.6[p]	8 ± 0.9[p]	12 ± 0.6[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	440 ± 6.9	250 ± 13.5			
Positive Control[4]			162 ± 6.1	158 ± 11.5	482 ± 29.5

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.6
100.0	14 ± 1.2
333.0	14 ± 2.0
1000.0	13 ± 3.0[p]
3333.0	8 ± 1.2[p]
10000.0	8 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	351 ± 10.4

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

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 ± 1.2	5 ± 0.0	8 ± 1.2	4 ± 0.9	8 ± 0.9
100.0	5 ± 0.3	7 ± 0.3	7 ± 2.0	7 ± 1.3	8 ± 1.5
333.0	4 ± 0.3	4 ± 2.3	7 ± 2.1	6 ± 1.8	8 ± 2.3
1000.0	5 ± 1.2[p]	8 ± 2.3[p]	10 ± 1.3[p]	9 ± 0.7[p]	10 ± 1.2[p]
3333.0	3 ± 0.7[p]	6 ± 0.3[p]	7 ± 0.6[p]	7 ± 0.7[p]	5 ± 0.6[p]
10000.0	2 ± 0.7[p]	5 ± 1.2[p]	5 ± 0.6[p]	5 ± 0.9[p]	3 ± 0.6[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			163 ± 25.6	114 ± 5.7	457 ± 9.5
Positive Control[5]	317 ± 31.7	157 ± 28.2			

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.0
100.0	8 ± 1.2
333.0	7 ± 0.9
1000.0	7 ± 1.5[p]
3333.0	7 ± 1.0[p]
10000.0	4 ± 1.0[p]
Trial Summary	Negative
Positive Control[4]	354 ± 22.2
Positive Control[5]	

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 1.2	16 ± 1.2	24 ± 1.0	20 ± 1.3	27 ± 4.6
100.0	14 ± 2.5	15 ± 1.5	31 ± 1.2	21 ± 1.5	34 ± 3.6
333.0	12 ± 2.0	16 ± 2.8	30 ± 2.8	17 ± 0.7	23 ± 2.2
1000.0	15 ± 2.1[p]	19 ± 4.0[p]	30 ± 3.0[p]	25 ± 2.9[p]	28 ± 1.5[p]
3333.0	12 ± 1.2[p]	12 ± 1.5[p]	16 ± 4.1[p]	16 ± 2.3[p]	23 ± 2.5[p]
10000.0	14 ± 1.2[p]	13 ± 0.3[p]	7 ± 2.5[p]	15 ± 1.5[p]	7 ± 1.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			285 ± 17.7	386 ± 14.6	1128 ± 60.2
Positive Control[6]	388 ± 21.7	325 ± 9.7			

Experiment Number: **649981**

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

G06: Ames Summary Data

Test Compound: **Phenothiazine**

CAS Number: **92-84-2**

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

Time Report Requested: **05:35:01**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	36 ± 3.1
100.0	34 ± 3.8
333.0	20 ± 2.6
1000.0	26 ± 2.8[p]
3333.0	23 ± 2.7[p]
10000.0	16 ± 1.5[p]
Trial Summary	Negative
Positive Control[3]	948 ± 61.4
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: 1.0 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **