Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

NTP Study Number: 003504

Study Result: Negative

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	85 ± 2.2	78 ± 2.3	81 ± 6.6	96 ± 3.2	85 ± 5.1
100.0	76 ± 0.7	60 ± 5.6	75 ± 2.0	87 ± 5.4	89 ± 8.1
333.0	87 ± 4.1	77 ± 4.7	86 ± 0.6	96 ± 3.8	76 ± 1.2
1000.0	82 ± 4.0	76 ± 2.2	72 ± 3.2	86 ± 5.5	77 ± 3.3
3333.0	78 ± 5.2	72 ± 2.7	80 ± 3.5	82 ± 5.8	69 ± 2.4
10000.0	72 ± 4.7	67 ± 7.0	58 ± 5.0	74 ± 3.8	77 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					374 ± 3.7
Positive Control[3]	263 ± 10.3	349 ± 17.0			
Positive Control[4]			366 ± 25.2		
Positive Control[5]					
Positive Control[6]				327 ± 19.6	

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	83 ± 2.4
100.0	80 ± 2.7
333.0	90 ± 1.9
1000.0	82 ± 0.9
3333.0	84 ± 10.0
10000.0	90 ± 17.1
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	329 ± 18.1
Positive Control[6]	

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 0.3	11 ± 2.3	11 ± 1.0	10 ± 1.2	5 ± 0.9
100.0	16 ± 1.7	16 ± 2.2	8 ± 1.2	9 ± 1.2	7 ± 1.5
333.0	17 ± 1.9	15 ± 1.9	8 ± 0.9	5 ± 1.3	6 ± 2.6
1000.0	17 ± 4.7	12 ± 2.7	10 ± 2.8	8 ± 0.9	9 ± 1.2
3333.0	15 ± 0.9	11 ± 2.2	8 ± 0.6	10 ± 1.5	8 ± 1.2
10000.0	17 ± 1.5	12 ± 2.3	8 ± 0.7	8 ± 2.1	7 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					55 ± 6.4
Positive Control[3]	147 ± 8.7	185 ± 20.3			
Positive Control[5]					
Positive Control[6]			89 ± 3.7	95 ± 8.0	

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 1.2
100.0	6 ± 0.3
333.0	9 ± 0.6
1000.0	10 ± 1.3
3333.0	9 ± 2.1
10000.0	7 ± 0.3
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	101 ± 7.6
Positive Control[6]	

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	50 ± 8.7	80 ± 3.2	74 ± 9.9	207 ± 13.3	182 ± 11.7
100.0	75 ± 4.4	80 ± 10.1	79 ± 5.4	213 ± 11.0	177 ± 9.0
333.0	81 ± 4.0	74 ± 4.5	77 ± 6.2	192 ± 13.1	168 ± 4.1
1000.0	70 ± 5.2	59 ± 6.8	71 ± 3.5	185 ± 6.4	161 ± 15.6
3333.0	61 ± 6.5	63 ± 1.9	68 ± 4.8	170 ± 2.8	139 ± 7.9
10000.0	55 ± 10.3	66 ± 6.7	68 ± 1.8	146 ± 3.4	126 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					
Positive Control[6]				565 ± 12.1	
Positive Control[7]					364 ± 10.0
Positive Control[8]	100 ± 4.5				
Positive Control[9]		803 ± 66.2	482 ± 26.6		

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	214 ± 5.0	107 ± 0.9
100.0	230 ± 12.5	117 ± 6.0
333.0	217 ± 5.0	109 ± 1.9
1000.0	238 ± 11.5	105 ± 4.0
3333.0	181 ± 2.1	104 ± 6.4
10000.0	176 ± 9.6	90 ± 7.0
Trial Summary	Negative	Negative
Positive Control[4]	663 ± 29.9	
Positive Control[6]		
Positive Control[7]		557 ± 14.8
Positive Control[8]		
Positive Control[9]		

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	34 ± 4.5	14 ± 2.0	42 ± 6.6	24 ± 4.5	40 ± 3.5
100.0	26 ± 2.3	10 ± 1.5	36 ± 1.5	19 ± 3.9	35 ± 0.6
333.0	22 ± 2.3	15 ± 3.3	32 ± 0.7	25 ± 2.9	38 ± 2.3
1000.0	29 ± 3.0	14 ± 4.4	33 ± 2.5	25 ± 2.7	33 ± 4.3
3333.0	29 ± 2.1	12 ± 2.4	34 ± 5.4	22 ± 1.2	27 ± 2.0
10000.0	31 ± 1.2	14 ± 2.9	35 ± 6.5	21 ± 3.5	31 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					91 ± 8.3
Positive Control[2]			168 ± 15.2		
Positive Control[11]	116 ± 13.6	117 ± 8.2			
Positive Control[5]				125 ± 8.4	

Experiment Number: **003504**

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

G06: Ames Summary Data

Test Compound: **Thiourea**

CAS Number: **62-56-6**

Date Report Requested: **09/13/2018**

Time Report Requested: **23:59:48**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	25 ± 1.5
100.0	30 ± 0.6
333.0	28 ± 2.1
1000.0	25 ± 2.2
3333.0	24 ± 3.5
10000.0	21 ± 3.8
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	109 ± 8.5
Positive Control[11]	
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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 3.5 ug/Plate 9-Aminoacridine
9: 4.0 ug/Plate 9-Aminoacridine
10: 0.2 ug/Plate 2-Aminoanthracene
11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **