Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

NTP Study Number: 876400

Study Result: Negative

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	92 ± 1.3	104 ± 8.1	129 ± 5.5	92 ± 7.1	127 ± 6.0
10.0		97 ± 4.3		89 ± 4.1	
33.0	97 ± 7.6	100 ± 6.2		98 ± 6.5	
100.0	92 ± 6.7	109 ± 4.6	91 ± 15.1	81 ± 11.7	85 ± 7.8
333.0	67 ± 3.8	56 ± 12.9	82 ± 14.8	72 ± 1.9	95 ± 8.8
1000.0	20 ± 10.2[p]		22 ± 11.7	0 ± 0.0[p]	74 ± 2.8
3333.0	0 ± 0.0[p]		0 ± 0.0[p]		11 ± 1.2[p]
10000.0		0 ± 0.0[p]	0 ± 0.0[p]		0 ± 0.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1660 ± 54.6	2162 ± 59.6	2102 ± 164.8
Positive Control[3]	420 ± 16.9	440 ± 30.4			

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	109 ± 7.9
10.0	104 ± 4.6
33.0	89 ± 4.0
100.0	93 ± 7.3
333.0	61 ± 15.0
1000.0	0 ± 0.0[p]
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[2]	2286 ± 43.9
Positive Control[3]	

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA1535

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	4 ± 1.5	11 ± 1.2	8 ± 2.2	11 ± 0.9
10.0		4 ± 2.3		7 ± 1.0	
33.0	8 ± 2.2	2 ± 0.3		5 ± 1.3	
100.0	5 ± 1.5	1 ± 0.3	6 ± 0.9	5 ± 1.2	8 ± 3.1
333.0	4 ± 0.9	3 ± 1.5	10 ± 3.0	2 ± 0.9	6 ± 1.8
1000.0	7 ± 3.5	Toxic	Toxic	Toxic	Toxic
3333.0	0 ± 0.0[p]		0 ± 0.0[p]		0 ± 0.0[p]
10000.0			0 ± 0.0[p]		0 ± 0.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			148 ± 11.8	95 ± 13.1	67 ± 6.6
Positive Control[3]	409 ± 192.4	100 ± 14.9			

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.3
10.0	4 ± 1.0
33.0	2 ± 0.7
100.0	6 ± 2.8
333.0	6 ± 3.0
1000.0	Toxic
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[4]	86 ± 7.5
Positive Control[3]	

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

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 ± 0.0	5 ± 2.7	6 ± 1.7	8 ± 3.5	9 ± 1.5
3.3		4 ± 0.0			
10.0		3 ± 2.0		7 ± 1.9	
33.0	6 ± 1.9	3 ± 0.6		5 ± 0.6	
100.0	3 ± 1.0	4 ± 0.0	5 ± 1.8	3 ± 0.9	9 ± 0.3
333.0	Toxic	6 ± 1.5	5 ± 0.7	4 ± 0.7	6 ± 0.3
1000.0	Toxic		2 ± 0.3	0 ± 0.0[p]	6 ± 3.0
3333.0	0 ± 0.0[p]		0 ± 0.0[p]		0 ± 0.0[p]
10000.0			0 ± 0.0[p]		0 ± 0.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			431 ± 13.6	365 ± 17.4	306 ± 94.4
Positive Control[5]	182 ± 55.1	271 ± 32.8			

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.5
3.3	
10.0	11 ± 2.6
33.0	8 ± 2.4
100.0	6 ± 1.7
333.0	6 ± 0.9
1000.0	0 ± 0.0[p]
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[4]	164 ± 21.8
Positive Control[5]	

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

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 ± 0.6	14 ± 4.4	19 ± 2.4	13 ± 0.7	21 ± 2.2
10.0		8 ± 1.2		18 ± 3.1	
33.0	13 ± 1.5	17 ± 1.5		15 ± 3.5	
100.0	18 ± 1.0	15 ± 3.0	18 ± 3.8	18 ± 3.5	15 ± 1.2
333.0	20 ± 2.3	12 ± 2.0	12 ± 1.9	17 ± 0.9	15 ± 1.9
1000.0	7 ± 6.5	0 ± 0.0[p]	Toxic		Toxic
3333.0	0 ± 0.0[p]		0 ± 0.0[p]		0 ± 0.0[p]
10000.0			0 ± 0.0[p]	Toxic	0 ± 0.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1388 ± 78.5	1153 ± 72.4	1937 ± 32.6
Positive Control[6]	277 ± 22.0	169 ± 31.3			

Experiment Number: **876400**

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

G06: Ames Summary Data

Test Compound: **2-Mercaptobenzothiazole**

CAS Number: **149-30-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:05:25**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	20 ± 1.9
10.0	17 ± 1.5
33.0	14 ± 4.2
100.0	23 ± 2.0
333.0	12 ± 2.1
1000.0	Toxic
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[2]	1126 ± 71.3
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 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **