Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

NTP Study Number: A52589

Study Result: Negative

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	106 ± 3.2	95 ± 3.5	101 ± 1.9	95 ± 4.1	112 ± 3.0
100.0	109 ± 10.8	95 ± 3.0	104 ± 11.7	105 ± 4.7	110 ± 2.3
333.0	99 ± 4.9	94 ± 9.1	96 ± 2.3	94 ± 11.7	102 ± 6.6
1000.0	98 ± 3.8	93 ± 2.0	93 ± 2.8	84 ± 5.5	94 ± 4.4
3333.0	98 ± 6.1	89 ± 8.7	101 ± 5.9	94 ± 12.2	104 ± 9.8
6667.0		92 ± 9.8[s]			94 ± 10.1[s]
10000.0	Toxic		91 ± 4.5[s]	82 ± 0.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					558 ± 15.6
Positive Control[3]	385 ± 35.1	282 ± 36.5			
Positive Control[4]			499 ± 68.9		
Positive Control[5]					
Positive Control[6]				554 ± 91.8	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	110 ± 2.7
100.0	100 ± 6.2
333.0	105 ± 8.4
1000.0	102 ± 2.6
3333.0	92 ± 7.2
6667.0	
10000.0	87 ± 2.5[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	252 ± 26.1
Positive Control[6]	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

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 ± 1.9	12 ± 0.6	16 ± 5.5	10 ± 1.2	11 ± 0.3
100.0	13 ± 2.8	11 ± 0.6	12 ± 0.6	13 ± 2.0	9 ± 1.2
333.0	13 ± 0.7	14 ± 0.6	13 ± 1.5	10 ± 1.9	10 ± 1.2
1000.0	11 ± 1.8	11 ± 1.0	14 ± 1.9	9 ± 1.8	8 ± 3.4
3333.0	13 ± 2.2	13 ± 3.3	12 ± 1.9	11 ± 1.2	14 ± 1.8
6667.0	8 ± 3.1[s]	8 ± 3.0[s]			13 ± 0.9
10000.0			10 ± 1.9[s]	11 ± 1.8	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					95 ± 1.9
Positive Control[3]	173 ± 8.7	108 ± 5.7			
Positive Control[5]					
Positive Control[6]			117 ± 4.9	111 ± 7.6	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	11 ± 2.3
100.0	12 ± 0.6
333.0	11 ± 1.5
1000.0	9 ± 0.6
3333.0	12 ± 1.2
6667.0	
10000.0	4 ± 1.2[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	157 ± 13.5
Positive Control[6]	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	152 ± 12.9	108 ± 3.8	129 ± 7.9	159 ± 3.2	123 ± 13.4
100.0	142 ± 1.5	124 ± 3.8	164 ± 8.4	171 ± 5.4	142 ± 12.5
333.0	142 ± 4.6	101 ± 4.9	115 ± 11.4	173 ± 5.2	138 ± 1.9
1000.0	143 ± 3.6	108 ± 14.1	132 ± 7.2	148 ± 5.8	118 ± 12.1
3333.0	129 ± 11.9	103 ± 1.9	124 ± 14.4	155 ± 9.5	109 ± 14.1
6667.0	116 ± 9.7[s]	106 ± 8.7[s]			126 ± 7.6[s]
10000.0			118 ± 10.1[s]	116 ± 10.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					744 ± 47.6
Positive Control[6]			747 ± 41.7	339 ± 6.4	
Positive Control[7]	332 ± 15.6	364 ± 14.6			

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	137 ± 2.3
100.0	156 ± 7.6
333.0	171 ± 2.8
1000.0	163 ± 5.2
3333.0	151 ± 14.2
6667.0	
10000.0	133 ± 2.3[s]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	1077 ± 110.1
Positive Control[7]	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 3.5	11 ± 1.2	18 ± 1.7	24 ± 2.6	24 ± 4.9
100.0	31 ± 2.7	13 ± 1.5	14 ± 3.3	30 ± 6.5	16 ± 3.1
333.0	22 ± 2.8	11 ± 0.3	16 ± 1.7	30 ± 3.0	16 ± 3.7
1000.0	20 ± 3.0	14 ± 0.9	17 ± 1.9	36 ± 0.6	16 ± 1.5
3333.0	24 ± 0.0	12 ± 1.5	13 ± 0.9	33 ± 2.1	19 ± 0.6
6667.0		14 ± 1.8			16 ± 1.5[s]
10000.0	Toxic		9 ± 1.3[s]	24 ± 4.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			320 ± 22.6		763 ± 30.4
Positive Control[8]	315 ± 21.0	203 ± 24.7			
Positive Control[5]				269 ± 6.4	

Experiment Number: **A52589**

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

G06: Ames Summary Data

Test Compound: **4-Methylthiazole**

CAS Number: **693-95-8**

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

Time Report Requested: **04:21:49**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	41 ± 5.2
100.0	35 ± 1.3
333.0	40 ± 2.6
1000.0	28 ± 14.1
3333.0	35 ± 3.5
6667.0	
10000.0	31 ± 1.5
Trial Summary	Negative
Positive Control[2]	
Positive Control[8]	
Positive Control[5]	399 ± 33.0

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: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **