

Experiment Number: 136744

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

G06: Ames Summary Data

Test Compound: **Sulfamethizole**

CAS Number: **144-82-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **08:34:11**

NTP Study Number:

136744

Study Result:

Negative

Experiment Number: 136744

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Sulfamethizole

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	231 ± 12.2	121 ± 8.7	164 ± 2.3	89 ± 4.3	166 ± 3.0
1.0	205 ± 7.7	94 ± 1.7			
3.3	188 ± 11.0	88 ± 8.7	156 ± 10.0	98 ± 3.5	151 ± 10.5
10.0	217 ± 6.3	97 ± 5.9	157 ± 11.6	99 ± 4.2	150 ± 4.0
33.0	180 ± 8.6	83 ± 10.7	155 ± 6.1	92 ± 3.5	138 ± 9.5
100.0	119 ± 1.2	42 ± 1.5	127 ± 6.2	80 ± 7.1	118 ± 11.7
200.0			27 ± 7.9	11 ± 2.1	17 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1040 ± 19.3
Positive Control ³			1570 ± 67.1	1176 ± 54.8	
Positive Control ⁴	1741 ± 34.5	1419 ± 68.8			

Experiment Number: 136744

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

G06: Ames Summary Data

Test Compound: **Sulfamethizole**

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	95 ± 3.2
1.0	
3.3	100 ± 1.2
10.0	102 ± 5.5
33.0	95 ± 7.4
100.0	86 ± 6.6
200.0	7 ± 2.6
Trial Summary	Negative
Positive Control ²	959 ± 17.1
Positive Control ³	
Positive Control ⁴	

Experiment Number: 136744

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Sulfamethizole

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.5	19 ± 4.2	12 ± 0.7	8 ± 1.5	10 ± 3.8
1.0	10 ± 1.5	10 ± 1.9			
3.3	11 ± 3.2	15 ± 1.5	10 ± 3.8	8 ± 1.5	8 ± 0.3
10.0	11 ± 2.6	15 ± 4.0	10 ± 3.2	13 ± 2.4	14 ± 2.4
33.0	8 ± 0.7	12 ± 3.8	8 ± 1.5	9 ± 0.9	11 ± 0.6
100.0	0 ± 0.0	1 ± 0.7	1 ± 0.6	2 ± 0.7	1 ± 0.3
200.0			0 ± 0.0	0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					68 ± 2.6
Positive Control ³			92 ± 11.5	122 ± 2.3	
Positive Control ⁴	1216 ± 44.9	1044 ± 11.6			

Experiment Number: 136744
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Sulfamethizole
CAS Number: 144-82-1

Date Report Requested: 09/12/2018
Time Report Requested: 08:34:11

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
1.0	
3.3	8 ± 1.9
10.0	8 ± 0.9
33.0	7 ± 1.3
100.0	1 ± 0.6
200.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	131 ± 0.6
Positive Control ³	
Positive Control ⁴	

Experiment Number: 136744

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Sulfamethizole

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.0	8 ± 0.6	10 ± 2.4	5 ± 1.0	9 ± 0.7
1.0	5 ± 1.5				
3.3	6 ± 0.9	5 ± 2.2	7 ± 2.3	6 ± 1.7	7 ± 1.5
10.0	9 ± 1.3	5 ± 2.0	6 ± 2.6	6 ± 1.2	6 ± 1.3
33.0	4 ± 0.9	5 ± 1.9	5 ± 1.2	7 ± 1.5	5 ± 2.3
100.0	2 ± 0.9	2 ± 0.0	3 ± 1.8	2 ± 0.3	4 ± 0.6
200.0		1 ± 0.0	4 ± 0.6	1 ± 0.7	3 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					58 ± 4.8
Positive Control ³			97 ± 9.1	82 ± 4.8	
Positive Control ⁵	265 ± 24.0	579 ± 67.5			

Experiment Number: 136744
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Sulfamethizole
CAS Number: 144-82-1

Date Report Requested: 09/12/2018
Time Report Requested: 08:34:11

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
1.0	
3.3	7 ± 1.3
10.0	4 ± 0.0
33.0	5 ± 2.0
100.0	3 ± 0.6
200.0	2 ± 0.6
Trial Summary	Negative
Positive Control ²	60 ± 4.3
Positive Control ³	
Positive Control ⁵	

Experiment Number: 136744

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Sulfamethizole

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.8	12 ± 3.5	30 ± 2.3	24 ± 1.5	34 ± 1.5
1.0	22 ± 3.7				
3.3	14 ± 3.2	14 ± 1.0	30 ± 4.9	22 ± 2.8	32 ± 1.7
10.0	17 ± 3.5	11 ± 3.8	28 ± 1.9	24 ± 1.2	26 ± 1.7
33.0	14 ± 1.5	15 ± 0.3	25 ± 2.7	19 ± 2.6	32 ± 2.1
100.0	14 ± 2.3	8 ± 0.7	18 ± 0.7	17 ± 3.2	25 ± 2.7
200.0		1 ± 0.6	19 ± 1.5	10 ± 0.3	23 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					775 ± 104.0
Positive Control ³			1121 ± 32.6	856 ± 25.7	
Positive Control ⁶	1669 ± 17.2	1414 ± 20.6			

Experiment Number: 136744

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

G06: Ames Summary Data

Test Compound: **Sulfamethizole**

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.7
1.0	
3.3	20 ± 2.6
10.0	19 ± 6.2
33.0	25 ± 0.9
100.0	18 ± 1.2
200.0	12 ± 1.7
Trial Summary	Negative
Positive Control ²	702 ± 13.6
Positive Control ³	
Positive Control ⁶	

Experiment Number: 136744

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

G06: Ames Summary Data

Test Compound: **Sulfamethizole**

CAS Number: 144-82-1

Date Report Requested: 09/12/2018

Time Report Requested: 08:34:11

LEGEND

Values given as Mean or Mean \pm 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****