

Experiment Number: 615417

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

G06: Ames Summary Data

Test Compound: **Trimethoprim**

CAS Number: **738-70-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:25:01**

NTP Study Number:

615417

Study Result:

Negative

Experiment Number: 615417

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

Test Compound: Trimethoprim

CAS Number: 738-70-5

Date Report Requested: 09/15/2018

Time Report Requested: 07:25:01

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 5.5	103 ± 10.1	103 ± 8.1	104 ± 9.2	113 ± 4.0
0.01	97 ± 7.4		103 ± 4.9		121 ± 6.8
0.03	119 ± 7.6	119 ± 0.9	112 ± 6.2	115 ± 6.6	135 ± 4.3
0.1	113 ± 12.3	118 ± 11.3	120 ± 7.8	119 ± 5.6	126 ± 17.9
0.3	114 ± 5.9	76 ± 5.2	115 ± 6.7	89 ± 7.2	133 ± 6.5
1.0	44 ± 4.9	2 ± 2.0	55 ± 2.0	25 ± 1.5	63 ± 4.7
3.0		0 ± 0.0 ^s		0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					420 ± 23.3
Positive Control ³			987 ± 8.4	911 ± 23.1	
Positive Control ⁴	989 ± 32.9	1050 ± 18.0			

Experiment Number: 615417
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Trimethoprim
CAS Number: 738-70-5

Date Report Requested: 09/15/2018
Time Report Requested: 07:25:01

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	100 ± 2.8
0.01	
0.03	126 ± 1.8
0.1	140 ± 4.3
0.3	95 ± 15.4
1.0	24 ± 11.2
3.0	0 ± 0.0
Trial Summary	Equivocal
Positive Control ²	739 ± 22.9
Positive Control ³	
Positive Control ⁴	

Experiment Number: 615417

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

Test Compound: Trimethoprim

CAS Number: 738-70-5

Date Report Requested: 09/15/2018

Time Report Requested: 07:25:01

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.9	27 ± 5.6	10 ± 0.7	6 ± 1.5	11 ± 3.0
0.01	21 ± 1.2		6 ± 0.7		6 ± 1.3
0.03	16 ± 2.0	21 ± 4.1	9 ± 1.3	13 ± 2.5	10 ± 1.9
0.1	23 ± 2.6	22 ± 2.7	11 ± 3.0	9 ± 1.5	8 ± 2.7
0.3	11 ± 1.8	11 ± 0.9	9 ± 0.9	7 ± 1.7	12 ± 1.2
1.0	7 ± 0.6	4 ± 0.6	7 ± 2.5	3 ± 0.3	6 ± 0.9
3.0		0 ± 0.0		0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					64 ± 2.3
Positive Control ³			105 ± 2.3	93 ± 3.5	
Positive Control ⁴	789 ± 42.7	1112 ± 69.6			

Experiment Number: 615417
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Trimethoprim
CAS Number: 738-70-5

Date Report Requested: 09/15/2018
Time Report Requested: 07:25:01

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.8
0.01	
0.03	10 ± 2.1
0.1	14 ± 1.9
0.3	9 ± 1.5
1.0	3 ± 1.5
3.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	88 ± 5.2
Positive Control ³	
Positive Control ⁴	

Experiment Number: 615417

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

Test Compound: Trimethoprim

CAS Number: 738-70-5

Date Report Requested: 09/15/2018

Time Report Requested: 07:25:01

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 ± 0.3	4 ± 1.2	5 ± 0.6	10 ± 1.7	8 ± 2.3
0.01	4 ± 0.9		8 ± 0.3		8 ± 1.7
0.03	6 ± 0.7	7 ± 3.1	5 ± 1.0	6 ± 2.1	6 ± 1.3
0.1	5 ± 1.2	8 ± 0.6	9 ± 1.3	10 ± 1.9	9 ± 0.9
0.3	6 ± 0.3	5 ± 1.0	10 ± 2.2	5 ± 0.7	8 ± 2.0
1.0	6 ± 1.3	2 ± 1.0	6 ± 0.9	2 ± 0.3	6 ± 1.2
3.0		0 ± 0.0		0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					28 ± 3.5
Positive Control ³			88 ± 3.5	60 ± 2.6	
Positive Control ⁵	124 ± 30.0	651 ± 7.0			

Experiment Number: 615417

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

G06: Ames Summary Data

Test Compound: **Trimethoprim**

CAS Number: **738-70-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:25:01**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.9
0.01	
0.03	7 ± 0.0
0.1	8 ± 1.5
0.3	7 ± 1.2
1.0	1 ± 0.3
3.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	65 ± 2.4
Positive Control ³	
Positive Control ⁵	

Experiment Number: 615417

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

Test Compound: Trimethoprim

CAS Number: 738-70-5

Date Report Requested: 09/15/2018

Time Report Requested: 07:25:01

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5	14 ± 3.2	25 ± 4.5	27 ± 2.4	34 ± 2.1
0.01	21 ± 3.6		31 ± 2.8		30 ± 4.1
0.03	23 ± 0.6	18 ± 2.0	28 ± 1.2	32 ± 2.5	32 ± 4.0
0.1	19 ± 1.8	17 ± 2.8	29 ± 4.3	29 ± 4.8	33 ± 2.4
0.3	15 ± 3.5	11 ± 1.2	32 ± 3.5	24 ± 3.5	37 ± 6.3
1.0	15 ± 2.3	11 ± 1.8	29 ± 1.5	20 ± 3.2	29 ± 2.4
3.0		0 ± 0.0		0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					438 ± 33.4
Positive Control ³			967 ± 52.2	418 ± 21.8	
Positive Control ⁶	1489 ± 35.5	1450 ± 6.5			

Experiment Number: 615417

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

G06: Ames Summary Data

Test Compound: **Trimethoprim**

CAS Number: **738-70-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:25:01**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.2
0.01	
0.03	32 ± 2.6
0.1	30 ± 4.2
0.3	28 ± 2.6
1.0	27 ± 1.5
3.0	1 ± 0.3
Trial Summary	Negative
Positive Control ²	450 ± 17.8
Positive Control ³	
Positive Control ⁶	

Experiment Number: 615417

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

G06: Ames Summary Data

Test Compound: **Trimethoprim**

CAS Number: **738-70-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:25:01**

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

s: Slight Toxicity

**** END OF REPORT ****