

Experiment Number: **A37789**

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

G06: Ames Summary Data

Test Compound: **Benzothiazole**

CAS Number: **95-16-9**

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

Time Report Requested: **20:50:48**

NTP Study Number:

A37789

Study Result:

Negative

Experiment Number: A37789
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 Test Compound: Benzothiazole
 CAS Number: 95-16-9

Date Report Requested: 09/16/2018
 Time Report Requested: 20:50:48

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	112 ± 3.1	147 ± 4.7	139 ± 5.5	124 ± 4.8	133 ± 2.9
3.0	117 ± 3.7				
10.0	110 ± 1.3	145 ± 10.0	136 ± 3.4	117 ± 11.7	140 ± 8.3
33.0	118 ± 3.2	148 ± 11.6	152 ± 3.2	123 ± 4.7	138 ± 5.5
100.0	120 ± 2.7	156 ± 4.6	140 ± 6.7	122 ± 3.2	134 ± 3.5
333.0	119 ± 1.5	138 ± 6.1	140 ± 5.4	129 ± 7.5	145 ± 4.9
666.0		117 ± 5.9 ^s			
1000.0			121 ± 3.8 ^s	127 ± 0.9	120 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					645 ± 22.5
Positive Control ³			564 ± 18.0		
Positive Control ⁴	943 ± 7.0	852 ± 22.7			
Positive Control ⁵				621 ± 18.7	

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Test Compound: Benzothiazole
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Time Report Requested: 20:50:48

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	118 ± 4.4
3.0	
10.0	126 ± 1.5
33.0	122 ± 3.8
100.0	115 ± 1.7
333.0	121 ± 6.0
666.0	
1000.0	120 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	677 ± 27.5
Positive Control ⁴	
Positive Control ⁵	

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Date Report Requested: 09/16/2018
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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.5	12 ± 1.5	14 ± 1.7	14 ± 1.2	14 ± 1.9
3.0	10 ± 2.0				
10.0	12 ± 1.2	11 ± 0.7	10 ± 0.3	15 ± 3.2	11 ± 0.7
33.0	12 ± 0.3	14 ± 0.0	15 ± 0.3	13 ± 3.2	15 ± 0.3
100.0	15 ± 0.7	14 ± 2.3	13 ± 3.2	13 ± 1.3	13 ± 0.0
333.0	9 ± 1.9	12 ± 2.0	13 ± 1.2	11 ± 1.5	15 ± 2.7
666.0		10 ± 1.2 ^s			
1000.0			10 ± 1.2 ^s	12 ± 1.2	9 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					147 ± 18.1
Positive Control ⁴	846 ± 26.2	894 ± 26.1			
Positive Control ⁵			137 ± 10.0		
Positive Control ⁶				91 ± 7.4	

Experiment Number: A37789
Test Type: Genetic Toxicology - Bacterial
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Test Compound: Benzothiazole
CAS Number: 95-16-9

Date Report Requested: 09/16/2018
Time Report Requested: 20:50:48

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.3
3.0	
10.0	13 ± 2.6
33.0	13 ± 0.9
100.0	14 ± 0.6
333.0	12 ± 2.0
666.0	
1000.0	12 ± 3.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	115 ± 9.1
Positive Control ⁶	

Experiment Number: A37789

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

Test Compound: Benzothiazole

CAS Number: 95-16-9

Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 5.5	132 ± 4.8	147 ± 10.4	158 ± 4.3	156 ± 8.8
3.0	126 ± 6.6				
10.0	120 ± 4.4	123 ± 8.1	148 ± 5.5	144 ± 15.5	158 ± 0.3
33.0	123 ± 7.7	141 ± 11.8	144 ± 9.1	136 ± 7.2	147 ± 0.3
100.0	118 ± 4.3	131 ± 3.3	173 ± 3.0	160 ± 3.5	179 ± 3.3
333.0	116 ± 5.9	133 ± 12.0	162 ± 17.5	141 ± 6.6	164 ± 10.7
666.0		105 ± 2.6 ^s			
1000.0			127 ± 3.0 ^s	119 ± 5.8	120 ± 4.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					712 ± 5.8
Positive Control ³			661 ± 19.3		
Positive Control ⁵				480 ± 32.0	
Positive Control ⁷	635 ± 34.1	579 ± 8.7			

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G06: Ames Summary Data

Test Compound: Benzothiazole

CAS Number: 95-16-9

Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	154 ± 2.9
3.0	
10.0	173 ± 2.4
33.0	153 ± 11.3
100.0	149 ± 3.5
333.0	151 ± 19.1
666.0	
1000.0	132 ± 8.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	552 ± 13.9
Positive Control ⁵	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.5	17 ± 0.6	24 ± 1.8	14 ± 2.6	27 ± 3.0
3.0	8 ± 0.9				
10.0	12 ± 2.0	18 ± 0.3	21 ± 3.0	14 ± 2.0	23 ± 5.3
33.0	14 ± 0.9	18 ± 2.7	19 ± 1.7	15 ± 1.3	25 ± 1.9
100.0	10 ± 2.0	19 ± 3.1	21 ± 4.0	11 ± 1.2	23 ± 2.5
333.0	7 ± 1.2	20 ± 1.3	21 ± 2.2	11 ± 3.5	22 ± 2.7
666.0		11 ± 0.6 ^s			
1000.0			14 ± 1.8 ^s	14 ± 2.1	16 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					645 ± 22.5
Positive Control ³			542 ± 29.1		
Positive Control ⁸	434 ± 18.8	355 ± 15.1			
Positive Control ⁵				533 ± 17.4	

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Test Compound: Benzothiazole
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Date Report Requested: 09/16/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.5
3.0	
10.0	16 ± 1.0
33.0	15 ± 2.0
100.0	13 ± 2.4
333.0	13 ± 2.2
666.0	
1000.0	14 ± 2.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	419 ± 203.8
Positive Control ⁸	
Positive Control ⁵	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **