

Experiment Number: 716531

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

**G06: Ames Summary Data**

Test Compound: **Chlorothiazide**

CAS Number: **58-94-6**

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

Time Report Requested: **00:09:43**

**NTP Study Number:**

716531

**Study Result:**

Negative

Experiment Number: 716531

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Chlorothiazide

CAS Number: 58-94-6

Date Report Requested: 09/12/2018

Time Report Requested: 00:09:43

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	137 ± 2.4	129 ± 5.6	120 ± 6.3	152 ± 6.1	130 ± 7.5
100.0	122 ± 4.8	148 ± 6.8	122 ± 13.6	142 ± 20.0	122 ± 11.3
333.0	133 ± 7.8	144 ± 11.7	132 ± 2.2	177 ± 4.8	141 ± 15.4
1000.0	106 ± 4.2	147 ± 8.2	125 ± 6.7	175 ± 5.7	132 ± 4.9
3333.0	133 ± 13.4	106 ± 8.1	129 ± 13.3	176 ± 5.4	128 ± 2.9
10000.0	143 ± 3.1	141 ± 7.3	110 ± 10.3	174 ± 3.0	114 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1085 ± 154.5
Positive Control <sup>3</sup>			505 ± 32.1		
Positive Control <sup>4</sup>	421 ± 20.3	594 ± 39.2			
Positive Control <sup>5</sup>				496 ± 20.4	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	153 ± 8.8
100.0	151 ± 9.8
333.0	142 ± 14.3
1000.0	138 ± 1.5
3333.0	155 ± 3.4
10000.0	144 ± 3.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	530 ± 22.9
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

Experiment Number: 716531

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

Test Compound: Chlorothiazide

CAS Number: 58-94-6

Date Report Requested: 09/12/2018

Time Report Requested: 00:09:43

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	27 ± 3.5	20 ± 0.6	12 ± 1.2	16 ± 0.3	10 ± 1.7
100.0	31 ± 3.6	27 ± 4.7	13 ± 1.9	18 ± 1.8	7 ± 1.3
333.0	26 ± 3.4	21 ± 2.4	9 ± 2.6	18 ± 0.7	8 ± 3.2
1000.0	31 ± 2.9	20 ± 2.5	11 ± 2.0	19 ± 0.3	8 ± 2.3
3333.0	37 ± 3.8	26 ± 0.3	13 ± 1.5	18 ± 1.8	10 ± 2.2
10000.0	34 ± 2.2	23 ± 2.7	10 ± 0.6	17 ± 1.2	9 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					208 ± 5.8
Positive Control <sup>4</sup>	600 ± 16.5	525 ± 22.3			
Positive Control <sup>5</sup>			119 ± 4.8		
Positive Control <sup>6</sup>				114 ± 1.5	

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**G06: Ames Summary Data**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 4.1
100.0	10 ± 1.2
333.0	8 ± 0.3
1000.0	11 ± 2.3
3333.0	9 ± 2.4
10000.0	9 ± 2.9
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	335 ± 26.0
Positive Control <sup>6</sup>	

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**G06: Ames Summary Data**

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 2.0	14 ± 2.7	17 ± 0.3
100.0	10 ± 0.3	12 ± 1.7	13 ± 4.2
333.0	9 ± 0.6	11 ± 1.7	16 ± 0.7
1000.0	10 ± 0.6	13 ± 1.8	16 ± 3.7
3333.0	10 ± 1.5	15 ± 1.5	14 ± 0.3
10000.0	10 ± 1.2	9 ± 2.7	12 ± 4.2
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			36 ± 2.5
Positive Control <sup>5</sup>		52 ± 1.9	
Positive Control <sup>7</sup>	901 ± 83.6		

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Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Chlorothiazide

CAS Number: 58-94-6

Date Report Requested: 09/12/2018

Time Report Requested: 00:09:43

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	134 ± 9.7	171 ± 7.2	189 ± 15.3	210 ± 17.2	163 ± 10.9
100.0	145 ± 3.3	182 ± 8.9	205 ± 2.5	209 ± 6.4	168 ± 16.0
333.0	162 ± 7.5	181 ± 4.5	211 ± 2.7	205 ± 2.2	179 ± 9.6
1000.0	153 ± 3.8	206 ± 4.9	218 ± 6.5	213 ± 6.5	187 ± 8.3
3333.0	145 ± 16.0	194 ± 7.7	218 ± 4.6	237 ± 1.2	175 ± 8.1
10000.0	143 ± 5.5	189 ± 5.5	223 ± 10.2	210 ± 18.5	203 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					567 ± 21.6
Positive Control <sup>3</sup>			399 ± 10.4		
Positive Control <sup>5</sup>				423 ± 17.7	
Positive Control <sup>7</sup>	475 ± 39.6	1214 ± 78.4			

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

**G06: Ames Summary Data**

Test Compound: **Chlorothiazide**

CAS Number: **58-94-6**

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	167 ± 3.7
100.0	170 ± 5.2
333.0	170 ± 7.5
1000.0	178 ± 14.8
3333.0	176 ± 1.3
10000.0	115 ± 6.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	444 ± 28.7
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	



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

Test Compound: Chlorothiazide

CAS Number: 58-94-6

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 0.6	19 ± 1.5	42 ± 6.2	41 ± 5.4	37 ± 4.3
100.0	18 ± 0.3	26 ± 4.2	40 ± 2.3	39 ± 8.4	32 ± 2.6
333.0	19 ± 4.5	18 ± 4.5	35 ± 1.9	30 ± 2.1	39 ± 0.6
1000.0	18 ± 1.8	21 ± 3.2	35 ± 2.7	29 ± 4.5	38 ± 5.0
3333.0	19 ± 2.8	16 ± 2.0	35 ± 6.5	34 ± 4.8	31 ± 2.5
10000.0	15 ± 1.0	11 ± 3.0	32 ± 3.8	28 ± 1.5	34 ± 4.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					496 ± 66.6
Positive Control <sup>3</sup>			258 ± 14.4	138 ± 7.6	
Positive Control <sup>8</sup>	441 ± 22.0	458 ± 18.8			

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**G06: Ames Summary Data**

Test Compound: **Chlorothiazide**

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	30 ± 3.8
100.0	26 ± 4.0
333.0	30 ± 2.7
1000.0	33 ± 4.5
3333.0	24 ± 4.0
10000.0	33 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	363 ± 21.5
Positive Control <sup>8</sup>	

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### **LEGEND**

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

**\*\* END OF REPORT \*\***