

Experiment Number: 576628

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

**G06: Ames Summary Data**

Test Compound: **Acetohexamide**

CAS Number: **968-81-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **10:52:54**

**NTP Study Number:**

576628

**Study Result:**

Negative

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Date Report Requested: 09/14/2018

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**Strain: TA100**

<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>	126 ± 7.0	114 ± 4.2	110 ± 4.4	161 ± 6.4	113 ± 4.8
100.0	124 ± 0.3	98 ± 3.5	122 ± 3.8	163 ± 7.1	113 ± 1.9
333.0	127 ± 9.8	108 ± 4.6	116 ± 3.1	148 ± 13.7	108 ± 5.5
1000.0	112 ± 12.5	118 ± 6.8	111 ± 6.2	160 ± 9.5	129 ± 4.8
3333.0	130 ± 2.3	111 ± 5.5	103 ± 5.2	152 ± 13.9	129 ± 3.7
10000.0	108 ± 7.5	90 ± 1.5	106 ± 0.3	164 ± 8.1	97 ± 8.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					670 ± 24.0
Positive Control <sup>3</sup>			350 ± 5.3		
Positive Control <sup>4</sup>	421 ± 20.3	486 ± 11.3			
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>	158 ± 4.7
100.0	130 ± 31.0
333.0	155 ± 5.1
1000.0	162 ± 5.7
3333.0	157 ± 7.2
10000.0	149 ± 4.7
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>	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Acetohexamide

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**Strain: TA1535**

<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>	31 ± 1.9	20 ± 5.5	8 ± 2.3	14 ± 0.9	10 ± 1.2
100.0	36 ± 2.2	17 ± 1.5	6 ± 2.0	14 ± 1.9	7 ± 1.9
333.0	34 ± 3.8	19 ± 1.8	8 ± 2.1	15 ± 0.7	10 ± 2.9
1000.0	31 ± 3.6	20 ± 1.0	11 ± 1.7	18 ± 5.2	6 ± 2.4
3333.0	27 ± 4.6	17 ± 3.3	8 ± 1.3	13 ± 1.2	8 ± 0.3
10000.0	34 ± 2.5	19 ± 1.9	11 ± 1.3	18 ± 2.3	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					155 ± 5.5
Positive Control <sup>4</sup>	600 ± 16.5	382 ± 15.2			
Positive Control <sup>5</sup>			121 ± 3.6		
Positive Control <sup>6</sup>				114 ± 1.5	

Experiment Number: 576628  
Test Type: Genetic Toxicology - Bacterial  
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G06: Ames Summary Data  
Test Compound: Acetohexamide  
CAS Number: 968-81-0

Date Report Requested: 09/14/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 2.0
100.0	13 ± 1.5
333.0	10 ± 1.3
1000.0	13 ± 3.2
3333.0	13 ± 2.0
10000.0	13 ± 2.2
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>	

Experiment Number: 576628

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**G06: Ames Summary Data**

Test Compound: Acetohexamide

CAS Number: 968-81-0

Date Report Requested: 09/14/2018

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**Strain: TA1537**

<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 ± 1.5	11 ± 1.9	9 ± 0.6
100.0	10 ± 2.0	11 ± 1.2	11 ± 0.7
333.0	8 ± 1.2	7 ± 0.3	5 ± 1.3
1000.0	12 ± 2.8	7 ± 0.6	10 ± 1.2
3333.0	12 ± 1.5	9 ± 0.7	11 ± 2.7
10000.0	7 ± 0.9	8 ± 2.0	5 ± 1.7
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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## G06: Ames Summary Data

Test Compound: Acetohexamide

CAS Number: 968-81-0

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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 <sup>1</sup>	152 ± 5.7	140 ± 2.3	175 ± 8.1	190 ± 8.7	131 ± 11.5
100.0	172 ± 7.0	143 ± 4.4	194 ± 3.5	216 ± 5.7	140 ± 13.0
333.0	166 ± 6.2	132 ± 8.5	213 ± 3.7	191 ± 3.2	126 ± 5.5
1000.0	166 ± 3.2	136 ± 4.9	177 ± 13.1	200 ± 4.9	149 ± 7.6
3333.0	165 ± 5.2	130 ± 7.4	151 ± 7.7	171 ± 14.8	143 ± 9.5
10000.0	64 ± 16.5	76 ± 13.9	66 ± 14.3	169 ± 9.2	120 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					464 ± 31.8
Positive Control <sup>3</sup>			387 ± 9.0		
Positive Control <sup>5</sup>				450 ± 11.9	
Positive Control <sup>7</sup>	475 ± 39.6	518 ± 44.2			

Experiment Number: 576628

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Acetohexamide

CAS Number: 968-81-0

Date Report Requested: 09/14/2018

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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>	171 ± 9.6
100.0	177 ± 7.2
333.0	177 ± 6.9
1000.0	166 ± 6.9
3333.0	168 ± 10.0
10000.0	167 ± 15.4
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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## G06: Ames Summary Data

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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 <sup>1</sup>	18 ± 0.7	16 ± 1.2	23 ± 3.5	33 ± 3.0	27 ± 4.3
100.0	17 ± 1.2	17 ± 0.9	21 ± 2.8	26 ± 2.8	23 ± 1.2
333.0	15 ± 2.0	15 ± 3.4	20 ± 1.5	25 ± 1.2	30 ± 1.0
1000.0	18 ± 0.6	14 ± 0.9	24 ± 2.3	34 ± 3.8	26 ± 1.8
3333.0	13 ± 1.8	14 ± 0.9	23 ± 2.7	30 ± 0.7	21 ± 1.5
10000.0	17 ± 1.8	15 ± 0.6	23 ± 2.6	37 ± 0.6	20 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					597 ± 48.9
Positive Control <sup>3</sup>			253 ± 24.6	138 ± 7.6	
Positive Control <sup>8</sup>	441 ± 22.0	383 ± 8.1			

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 0.9
100.0	25 ± 2.5
333.0	22 ± 3.2
1000.0	21 ± 1.8
3333.0	23 ± 5.4
10000.0	27 ± 2.1
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 \*\*