

Experiment Number: 155296

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

**G06: Ames Summary Data**

Test Compound: **Methdilazine hydrochloride**

CAS Number: 1229-35-2

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

Time Report Requested: **20:50:17**

**NTP Study Number:**

155296

**Study Result:**

Negative

Experiment Number: 155296

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Methdilazine hydrochloride

CAS Number: 1229-35-2

Date Report Requested: 09/12/2018

Time Report Requested: 20:50:17

## 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>	83 ± 7.7	83 ± 2.3	81 ± 2.5	106 ± 8.7	92 ± 6.9
1.0	70 ± 4.9	87 ± 4.2			
3.3	87 ± 6.7	85 ± 5.4	79 ± 1.5	90 ± 3.8	75 ± 1.5
10.0	88 ± 5.0	86 ± 2.7	78 ± 8.3	91 ± 2.3	89 ± 2.3
33.0	74 ± 3.8	89 ± 11.6	80 ± 3.5	86 ± 8.4	77 ± 8.1
67.0	71 ± 2.9 <sup>s</sup>	80 ± 4.4			
100.0			81 ± 2.3 <sup>s</sup>	90 ± 2.1	95 ± 8.0
200.0			74 ± 4.9 <sup>s</sup>	83 ± 4.6 <sup>s</sup>	83 ± 2.6 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					335 ± 3.2
Positive Control <sup>3</sup>	389 ± 28.8	389 ± 19.0			
Positive Control <sup>4</sup>			768 ± 43.8		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				542 ± 13.7	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	103 ± 1.0
1.0	
3.3	93 ± 3.2
10.0	95 ± 1.5
33.0	96 ± 8.3
67.0	
100.0	98 ± 5.0
200.0	91 ± 9.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	326 ± 15.2
Positive Control <sup>6</sup>	

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Test Compound: Methdilazine hydrochloride

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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 <sup>1</sup>	19 ± 2.3	14 ± 1.2	10 ± 1.5	8 ± 1.2	7 ± 2.1
1.0	16 ± 1.2	13 ± 2.3			
3.3	17 ± 2.8	11 ± 1.2	12 ± 1.7	7 ± 2.4	6 ± 0.6
10.0	14 ± 3.2	13 ± 1.0	8 ± 1.2	9 ± 2.0	9 ± 2.2
33.0	15 ± 0.7	15 ± 3.9	6 ± 1.5	10 ± 1.5	8 ± 0.9
67.0	19 ± 1.8 <sup>s</sup>	17 ± 2.9			
100.0			6 ± 1.5	5 ± 0.3	6 ± 0.9
200.0			7 ± 1.7 <sup>s</sup>	7 ± 0.9	6 ± 1.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					40 ± 2.2
Positive Control <sup>3</sup>	199 ± 5.8	190 ± 8.4			
Positive Control <sup>5</sup>					
Positive Control <sup>7</sup>				96 ± 3.4	
Positive Control <sup>6</sup>			148 ± 5.2		

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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>	9 ± 1.5
1.0	
3.3	8 ± 0.6
10.0	10 ± 1.7
33.0	7 ± 0.3
67.0	
100.0	7 ± 2.7
200.0	7 ± 1.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	89 ± 11.9
Positive Control <sup>7</sup>	
Positive Control <sup>6</sup>	

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

Test Compound: Methdilazine hydrochloride

CAS Number: 1229-35-2

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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>	84 ± 4.1	92 ± 10.4	103 ± 6.4	146 ± 2.1	101 ± 3.5
1.0	83 ± 3.3	95 ± 2.0			
3.3	86 ± 2.5	86 ± 1.8	110 ± 7.5	154 ± 4.7	100 ± 2.7
10.0	86 ± 2.8	96 ± 5.2	112 ± 1.9	154 ± 7.0	95 ± 11.0
33.0	95 ± 2.2	88 ± 4.2	118 ± 11.2	128 ± 3.6	113 ± 3.2
67.0	65 ± 4.5 <sup>s</sup>	79 ± 6.1 <sup>s</sup>			
100.0			131 ± 7.2	187 ± 11.3	107 ± 2.6
200.0			111 ± 12.3 <sup>s</sup>	136 ± 7.7	117 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>					290 ± 11.3
Positive Control <sup>6</sup>			1237 ± 95.0	452 ± 31.9	
Positive Control <sup>8</sup>	538 ± 33.8	411 ± 22.3			

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**G06: Ames Summary Data**

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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>	126 ± 3.5
1.0	
3.3	153 ± 4.1
10.0	156 ± 9.9
33.0	153 ± 5.6
67.0	
100.0	159 ± 6.9
200.0	124 ± 2.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>6</sup>	512 ± 10.3
Positive Control <sup>8</sup>	

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## G06: Ames Summary Data

Test Compound: Methdilazine hydrochloride

CAS Number: 1229-35-2

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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>	15 ± 2.7	25 ± 3.8	27 ± 3.5	43 ± 3.6	22 ± 3.0
1.0	17 ± 0.0	24 ± 4.3			
3.3	15 ± 2.0	22 ± 4.1	26 ± 0.6	43 ± 3.0	21 ± 1.5
10.0	16 ± 1.9	22 ± 2.9	28 ± 2.7	34 ± 2.2	25 ± 3.5
33.0	14 ± 1.5	21 ± 1.9	25 ± 2.6	42 ± 3.1	27 ± 3.4
67.0	18 ± 2.6 <sup>s</sup>	22 ± 0.7			
100.0			30 ± 3.3	36 ± 3.8	23 ± 3.2
200.0			35 ± 2.9 <sup>s</sup>	37 ± 5.2	24 ± 5.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>9</sup>					163 ± 11.8
Positive Control <sup>2</sup>			280 ± 9.4		
Positive Control <sup>5</sup>				207 ± 9.5	
Positive Control <sup>10</sup>	166 ± 3.0	234 ± 10.2			



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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>	35 ± 0.7
1.0	
3.3	35 ± 3.2
10.0	34 ± 2.1
33.0	32 ± 1.2
67.0	
100.0	36 ± 5.8
200.0	43 ± 3.8
Trial Summary	Negative
Positive Control <sup>9</sup>	
Positive Control <sup>2</sup>	72 ± 2.9
Positive Control <sup>5</sup>	
Positive Control <sup>10</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: Water

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 1.5 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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