

Experiment Number: 515921

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

**G06: Ames Summary Data**

Test Compound: **Methyl dopa**

CAS Number: **555-30-6**

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

Time Report Requested: **12:14:49**

**NTP Study Number:**

515921

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Methyl dopa

CAS Number: 555-30-6

Date Report Requested: 09/12/2018

Time Report Requested: 12:14:49

## 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>	101 ± 5.5	103 ± 3.7	121 ± 8.8	118 ± 6.7	103 ± 7.3
33.0		104 ± 3.5		123 ± 5.1	
100.0	110 ± 4.3	104 ± 7.3	122 ± 8.0	111 ± 3.5	93 ± 5.0
333.0	116 ± 1.8	100 ± 11.9	104 ± 8.2	122 ± 2.6	98 ± 3.0
1000.0	117 ± 8.7	98 ± 2.3	110 ± 1.5	116 ± 6.2	111 ± 11.2
3333.0	99 ± 8.9	96 ± 2.0	114 ± 1.8	110 ± 8.1	90 ± 5.2
10000.0	5 ± 2.3		29 ± 1.7		42 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					977 ± 32.2
Positive Control <sup>3</sup>			1905 ± 66.4		
Positive Control <sup>4</sup>				996 ± 5.7	
Positive Control <sup>5</sup>	1022 ± 17.5	1157 ± 34.5			

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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>	96 ± 1.8
33.0	103 ± 3.0
100.0	97 ± 2.1
333.0	101 ± 5.2
1000.0	110 ± 1.5
3333.0	95 ± 2.2
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	1532 ± 48.2
Positive Control <sup>5</sup>	

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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>	30 ± 1.2	27 ± 3.6	16 ± 2.9	8 ± 2.3	18 ± 2.7
33.0		23 ± 0.6		15 ± 0.7	
100.0	27 ± 0.9	26 ± 3.2	14 ± 2.6	10 ± 1.5	18 ± 0.3
333.0	32 ± 2.6	24 ± 4.0	19 ± 3.5	11 ± 1.0	19 ± 2.9
1000.0	28 ± 4.5	27 ± 0.3	21 ± 1.8	13 ± 2.3	20 ± 6.8
3333.0	10 ± 1.7	19 ± 2.6	13 ± 2.3	8 ± 1.5	12 ± 0.9
10000.0	0 ± 0.0		3 ± 1.5		2 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					64 ± 3.4
Positive Control <sup>3</sup>			77 ± 8.7		
Positive Control <sup>4</sup>				181 ± 10.7	
Positive Control <sup>5</sup>	842 ± 11.3	951 ± 31.7			

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G06: Ames Summary Data  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 4.4
33.0	10 ± 0.6
100.0	9 ± 0.7
333.0	11 ± 0.7
1000.0	10 ± 1.5
3333.0	11 ± 2.3
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	283 ± 0.9
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Methyl dopa

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	100 ± 9.4	93 ± 4.7	87 ± 13.9	157 ± 17.3	216 ± 15.2
33.0	85 ± 4.3	90 ± 1.5		163 ± 7.5	225 ± 11.5
100.0	94 ± 6.4	87 ± 1.9	85 ± 11.1	141 ± 6.0	204 ± 12.1
333.0	108 ± 5.7	97 ± 5.8	114 ± 8.3	159 ± 3.5	216 ± 5.4
1000.0	98 ± 2.7	88 ± 5.6	120 ± 4.6	148 ± 1.8	201 ± 4.6
3333.0	92 ± 2.0	93 ± 2.8	117 ± 4.7	153 ± 4.6	171 ± 3.4
10000.0			34 ± 11.9		
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>3</sup>			617 ± 13.0	1455 ± 9.7	
Positive Control <sup>4</sup>					1000 ± 62.8
Positive Control <sup>6</sup>	1408 ± 39.0	1041 ± 88.8			

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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 10% Hamster S9</b>	<b>With 10% Hamster S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	138 ± 4.6	152 ± 2.8	168 ± 8.7
33.0		150 ± 4.1	145 ± 9.8
100.0	116 ± 6.0	154 ± 5.8	155 ± 6.5
333.0	134 ± 8.4	153 ± 1.3	169 ± 5.6
1000.0	118 ± 3.5	127 ± 4.6	159 ± 2.3
3333.0	116 ± 7.8	123 ± 14.8	140 ± 8.4
10000.0	58 ± 7.8		
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	408 ± 18.2	1074 ± 27.2	
Positive Control <sup>3</sup>			
Positive Control <sup>4</sup>			1188 ± 37.9
Positive Control <sup>6</sup>			

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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>	24 ± 2.5	17 ± 2.9	34 ± 3.3	23 ± 0.3	33 ± 0.9
33.0		21 ± 1.5		26 ± 3.1	
100.0	16 ± 1.7	18 ± 3.5	33 ± 3.2	29 ± 0.9	25 ± 1.2
333.0	23 ± 3.2	18 ± 0.3	33 ± 4.3	25 ± 0.3	30 ± 2.1
1000.0	22 ± 0.6	16 ± 1.5	30 ± 2.2	24 ± 1.3	34 ± 8.0
3333.0	26 ± 2.9	17 ± 2.0	27 ± 1.2	24 ± 4.4	37 ± 3.1
10000.0	2 ± 0.3		14 ± 3.6		26 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					846 ± 41.9
Positive Control <sup>3</sup>			1334 ± 40.4		
Positive Control <sup>4</sup>				438 ± 3.6	
Positive Control <sup>7</sup>	1515 ± 46.5	1763 ± 35.4			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	23 ± 0.6
33.0	24 ± 3.7
100.0	24 ± 3.8
333.0	31 ± 1.0
1000.0	23 ± 3.6
3333.0	18 ± 4.7
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	896 ± 103.1
Positive Control <sup>7</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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

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