

Experiment Number: 990860

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Oxymetholone

CAS Number: 434-07-1

Date Report Requested: 09/18/2018

Time Report Requested: 07:51:59

**NTP Study Number:**

990860

**Study Result:**

Negative

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## G06: Ames Summary Data

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## 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>	135 ± 16.3	156 ± 1.9	170 ± 9.1	181 ± 2.0	160 ± 2.4
100.0	131 ± 15.6	128 ± 7.6	173 ± 13.1	188 ± 1.2	135 ± 13.5
333.0	141 ± 12.3	127 ± 9.0	137 ± 7.0	181 ± 2.2	131 ± 10.7
1000.0	121 ± 9.2	137 ± 11.7	140 ± 9.0	164 ± 14.9	130 ± 15.7
3333.0	83 ± 1.2 <sup>P</sup>	89 ± 8.7 <sup>P</sup>	117 ± 7.3 <sup>P</sup>	132 ± 9.2 <sup>P</sup>	126 ± 8.1 <sup>P</sup>
10000.0	90 ± 7.8 <sup>P</sup>	94 ± 5.7 <sup>P</sup>	103 ± 1.5 <sup>P</sup>	101 ± 8.5 <sup>P</sup>	81 ± 6.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					955 ± 39.0
Positive Control <sup>3</sup>			516 ± 10.3		
Positive Control <sup>4</sup>				620 ± 25.2	
Positive Control <sup>5</sup>	1082 ± 40.9	922 ± 82.6			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	147 ± 9.6
100.0	131 ± 2.7
333.0	139 ± 9.2
1000.0	95 ± 3.1
3333.0	106 ± 12.2 <sup>P</sup>
10000.0	107 ± 11.7 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	900 ± 12.7
Positive Control <sup>4</sup>	
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>	11 ± 2.4	7 ± 1.7	9 ± 1.9	20 ± 0.3	10 ± 2.4
100.0	10 ± 2.6	11 ± 1.2	9 ± 0.3	16 ± 0.3	11 ± 1.7
333.0	12 ± 2.5	12 ± 1.7	8 ± 1.9	16 ± 0.9	9 ± 1.0
1000.0	10 ± 2.5	8 ± 2.3	11 ± 1.8	15 ± 2.9	6 ± 2.4
3333.0	9 ± 1.2 <sup>p</sup>	7 ± 3.2 <sup>p</sup>	7 ± 1.5 <sup>p</sup>	11 ± 1.0 <sup>p</sup>	6 ± 1.3 <sup>p</sup>
10000.0	5 ± 0.3 <sup>p</sup>	8 ± 1.5 <sup>p</sup>	6 ± 1.2 <sup>p</sup>	8 ± 0.3 <sup>p</sup>	7 ± 1.0 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					114 ± 8.4
Positive Control <sup>4</sup>			95 ± 16.5		
Positive Control <sup>5</sup>	601 ± 67.2	854 ± 57.4			
Positive Control <sup>6</sup>				83 ± 11.1	

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Test Compound: Oxymetholone  
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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 0.0
100.0	12 ± 1.9
333.0	10 ± 0.9
1000.0	11 ± 1.8
3333.0	10 ± 0.9 <sup>p</sup>
10000.0	9 ± 0.3 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	299 ± 49.9
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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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>	206 ± 6.6	160 ± 10.7	179 ± 10.3	204 ± 9.5	202 ± 3.8
100.0	203 ± 3.2	192 ± 7.2	205 ± 5.5	221 ± 8.9	199 ± 6.8
333.0	184 ± 17.9	170 ± 15.0	194 ± 5.2	168 ± 6.8	217 ± 1.9
1000.0	201 ± 6.8	123 ± 6.1	200 ± 3.2	174 ± 5.3	212 ± 13.9
3333.0	185 ± 14.6 <sup>p</sup>	102 ± 25.0 <sup>p</sup>	202 ± 6.7 <sup>p</sup>	131 ± 11.0 <sup>p</sup>	193 ± 14.2 <sup>p</sup>
10000.0	137 ± 13.0 <sup>p</sup>	58 ± 7.8 <sup>p</sup>	134 ± 11.5 <sup>p</sup>	37 ± 3.8 <sup>p</sup>	165 ± 12.8 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					573 ± 24.4
Positive Control <sup>3</sup>			393 ± 20.6		
Positive Control <sup>4</sup>				410 ± 18.9	
Positive Control <sup>7</sup>	335 ± 25.2	740 ± 15.2			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	192 ± 10.8
100.0	181 ± 7.2
333.0	189 ± 20.8
1000.0	184 ± 13.3
3333.0	202 ± 5.8 <sup>p</sup>
10000.0	153 ± 5.0 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	549 ± 47.2
Positive Control <sup>4</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

Test Compound: Oxymetholone

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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>	22 ± 3.8	36 ± 2.4	39 ± 0.3	34 ± 3.3	35 ± 1.7
100.0	21 ± 2.7	33 ± 3.8	32 ± 3.0	24 ± 3.8	40 ± 5.2
333.0	18 ± 3.7	23 ± 1.2	32 ± 2.3	24 ± 6.7	32 ± 2.9
1000.0	15 ± 1.9	26 ± 3.2	31 ± 1.2	21 ± 2.0	32 ± 4.8
3333.0	12 ± 0.9 <sup>p</sup>	31 ± 3.5 <sup>p</sup>	30 ± 1.2 <sup>p</sup>	19 ± 1.9 <sup>p</sup>	27 ± 1.7 <sup>p</sup>
10000.0	13 ± 2.3 <sup>p</sup>	20 ± 0.9 <sup>p</sup>	16 ± 1.9 <sup>p</sup>	21 ± 4.0 <sup>p</sup>	27 ± 2.7 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					934 ± 35.5
Positive Control <sup>3</sup>			408 ± 21.2	102 ± 7.6	
Positive Control <sup>8</sup>	316 ± 14.3	654 ± 57.2			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	42 ± 2.2
100.0	39 ± 0.6
333.0	31 ± 1.2
1000.0	35 ± 1.7
3333.0	32 ± 1.2 <sup>p</sup>
10000.0	27 ± 5.9 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	525 ± 45.2
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: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

p: Precipitate

\*\* END OF REPORT \*\*