

Experiment Number: 453204

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Veratraldehyde

CAS Number: 120-14-9

Date Report Requested: 09/11/2018

Time Report Requested: 03:57:21

**NTP Study Number:**

453204

**Study Result:**

Negative

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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 10% Rat S9</b>	<b>With 10% Mouse S9</b>
Vehicle Control <sup>1</sup>	98 ± 1.7	87 ± 4.4	96 ± 1.8	114 ± 9.9	92 ± 4.5
33.0	100 ± 5.5	80 ± 2.8	102 ± 5.5	122 ± 2.7	90 ± 7.8
100.0	106 ± 2.0	85 ± 0.9	100 ± 5.7	123 ± 7.9	96 ± 9.5
333.0	111 ± 3.3	82 ± 2.5	114 ± 2.9	141 ± 4.2	110 ± 1.2
1000.0	95 ± 10.6	79 ± 2.8	102 ± 4.8	121 ± 4.4	95 ± 2.7
3333.0	96 ± 7.8 <sup>s</sup>	90 ± 5.8 <sup>s</sup>	95 ± 1.8 <sup>s</sup>	108 ± 3.0 <sup>s</sup>	84 ± 5.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			735 ± 22.2	330 ± 11.0	1420 ± 6.3
Positive Control <sup>3</sup>	321 ± 11.2	335 ± 5.7			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Mouse S9</b>
Vehicle Control <sup>1</sup>	104 ± 6.4
33.0	109 ± 7.0
100.0	125 ± 3.8
333.0	112 ± 3.5
1000.0	84 ± 5.4
3333.0	106 ± 6.4 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1799 ± 19.5
Positive Control <sup>3</sup>	

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## Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	236 ± 5.5	224 ± 1.7	318 ± 25.8	254 ± 21.8	293 ± 3.3
33.0	232 ± 8.4	236 ± 14.8	356 ± 12.8	236 ± 13.3	361 ± 18.5
100.0	232 ± 4.8	275 ± 11.5	312 ± 25.1	248 ± 12.2	343 ± 32.6
333.0	208 ± 9.8	225 ± 11.8	320 ± 31.0	208 ± 5.5	325 ± 20.3
1000.0	201 ± 15.4	248 ± 8.8	265 ± 27.0	231 ± 26.1	269 ± 12.0
3333.0	163 ± 10.5 <sup>s</sup>	206 ± 24.3 <sup>s</sup>	272 ± 18.2 <sup>s</sup>	228 ± 31.5 <sup>s</sup>	332 ± 26.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>	1617 ± 76.4	997 ± 71.8			
Positive Control <sup>2</sup>				348 ± 13.3	
Positive Control <sup>5</sup>			542 ± 17.5		622 ± 19.4

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## Strain: TA104

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	349 ± 14.6	428 ± 2.4	482 ± 19.0	349 ± 8.2	441 ± 13.1
33.0	370 ± 16.9	398 ± 8.8	543 ± 21.1	404 ± 21.8	470 ± 2.8
100.0	342 ± 29.9	383 ± 10.1	550 ± 5.5	341 ± 26.6	438 ± 35.3
333.0	306 ± 32.7	345 ± 15.9	513 ± 36.1	358 ± 7.5	428 ± 7.5
1000.0	268 ± 15.3	349 ± 12.7	451 ± 9.2	321 ± 21.9	382 ± 2.4
3333.0	225 ± 11.4 <sup>s</sup>	216 ± 4.4 <sup>s</sup>	390 ± 5.2 <sup>s</sup>	203 ± 11.7 <sup>s</sup>	312 ± 1.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>					
Positive Control <sup>2</sup>		804 ± 31.0	753 ± 26.0	949 ± 32.6	620 ± 23.3
Positive Control <sup>7</sup>	673 ± 6.1				

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 100.0 ug/Plate Methyl Methane Sulfonate

4: 0.5 ug/Plate Mitomycin-C

5: 5.0 ug/Plate 2-Aminoanthracene

6: 0.125 ug/Plate Mitomycin-C

7: 50.0 ug/Plate Formaldehyde

s: Slight Toxicity

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