

Experiment Number: **G08004**

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

G06: Ames Summary Data

Test Compound: **Vanadyl sulfate**

CAS Number: **27774-13-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **22:21:23**

NTP Study Number:

G08004

Study Result:

Negative

Experiment Number: **G08004**
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	103 ± 7.1	113 ± 4.9	98 ± 5.7	104 ± 9.3
0.4	102 ± 8.8	98 ± 10.9	105 ± 2.6	113 ± 3.4
1.0	115 ± 16.8	101 ± 5.0	92 ± 1.5	99 ± 9.6
4.0	88 ± 7.6	100 ± 4.4	92 ± 5.5	111 ± 5.4
10.0	103 ± 5.0	114 ± 4.4	99 ± 5.7	125 ± 5.5
40.0	100 ± 10.4	145 ± 6.7	88 ± 10.1	89 ± 2.0
100.0	30 ± 5.2	59 ± 4.1	83 ± 3.5	101 ± 4.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	693 ± 19.6	699 ± 75.0		
Positive Control ³				2306 ± 28.6
Positive Control ⁴			3780 ± 78.9	

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G06: Ames Summary Data
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 09/15/2018
Time Report Requested: 22:21:23

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	26 ± 4.6	18 ± 1.7	28 ± 4.0	27 ± 3.0
0.4	21 ± 1.8	20 ± 2.3	30 ± 1.8	24 ± 3.3
1.0	24 ± 1.5	21 ± 3.3	24 ± 1.9	30 ± 2.2
4.0	24 ± 2.6	18 ± 4.3	28 ± 2.9	25 ± 3.0
10.0	16 ± 3.1	19 ± 1.5	24 ± 3.2	30 ± 2.0
40.0	9 ± 2.5	6 ± 3.2	27 ± 4.3	32 ± 3.2
100.0	5 ± 1.9	Toxic	14 ± 2.2	12 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			1576 ± 34.5	1872 ± 57.8
Positive Control ⁶	591 ± 17.3	608 ± 103.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	159 ± 6.3	159 ± 11.6	177 ± 2.1	178 ± 9.0
4.0	122 ± 9.5		169 ± 10.5	
10.0	141 ± 7.2		170 ± 9.0	
40.0	163 ± 8.4	145 ± 5.3	148 ± 10.1	179 ± 11.6
100.0	134 ± 6.7	134 ± 5.2	149 ± 7.7	175 ± 6.8
400.0	132 ± 8.2	141 ± 7.8	161 ± 8.7	149 ± 12.5
1000.0	151 ± 4.1	143 ± 14.7	155 ± 4.1	157 ± 4.4
3000.0		139 ± 10.1		166 ± 6.6
6000.0		148 ± 3.5		198 ± 5.5 ^P
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁷			1310 ± 26.8	
Positive Control ⁸				1070 ± 30.1
Positive Control ⁹	2192 ± 96.1	1047 ± 78.2		

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LEGEND

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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 3.0 ug/Plate 2-Nitrofluorene
- 7: 10.0 ug/Plate 2-Aminoanthracene
- 8: 20.0 ug/Plate 2-Aminoanthracene
- 9: 100.0 ug/Plate Methyl Methane Sulfonate
- p: Precipitate

**** END OF REPORT ****