

Experiment Number: A76915

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

G06: Ames Summary Data

Test Compound: **Tungsten trioxide**

CAS Number: 1314-35-8

Date Report Requested: **09/17/2018**

Time Report Requested: **23:10:19**

NTP Study Number:

A76915

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	54 ± 2.4	61 ± 5.5	57 ± 1.7	72 ± 0.3
100.0	58 ± 2.0	56 ± 4.0	52 ± 2.5	55 ± 3.5
500.0	55 ± 1.3	57 ± 2.0	48 ± 3.5	55 ± 2.0
1000.0	61 ± 7.4	53 ± 3.3	45 ± 3.5	53 ± 0.3
5000.0	53 ± 5.6	51 ± 3.0	42 ± 1.5	52 ± 2.9
10000.0	48 ± 3.8	56 ± 3.8	60 ± 3.5	77 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	691 ± 51.9	601 ± 23.6		
Positive Control ³			674 ± 22.7	885 ± 34.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.4	9 ± 1.5	22 ± 1.9	18 ± 0.9
100.0	23 ± 1.5	23 ± 3.1	26 ± 2.3	20 ± 2.4
500.0	20 ± 0.6	15 ± 2.4	16 ± 1.5	14 ± 1.9
1000.0	22 ± 2.0	18 ± 2.2	22 ± 2.9	22 ± 2.1
5000.0	21 ± 3.0	18 ± 3.2	25 ± 2.0	16 ± 4.4
10000.0	24 ± 3.3	20 ± 2.2	20 ± 0.7	20 ± 0.9
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control ³			937 ± 50.2	910 ± 126.6
Positive Control ⁴	626 ± 8.0	449 ± 52.8		

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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	217 ± 6.9	120 ± 4.3	247 ± 10.1	142 ± 13.5
100.0	203 ± 5.7	106 ± 14.3	253 ± 13.5	128 ± 5.0
500.0	201 ± 3.3	128 ± 8.0	248 ± 0.9	139 ± 15.1
1000.0	221 ± 6.4	115 ± 4.2	248 ± 5.0	127 ± 10.6
5000.0	216 ± 4.3	122 ± 1.8	210 ± 7.6	135 ± 6.3
10000.0	197 ± 18.7	128 ± 3.8	235 ± 22.1	124 ± 6.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			786 ± 29.3	726 ± 13.6
Positive Control ⁶	736 ± 15.4	833 ± 54.0		

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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: Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****