

Experiment Number: **A22108**

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

**G06: Ames Summary Data**

Test Compound: **Metal working fluids (Trim SC210)**

CAS Number: **TRIMSC210**

Date Report Requested: **09/16/2018**

Time Report Requested: **10:20:45**

**NTP Study Number:**

A22108

**Study Result:**

Positive

Experiment Number: A22108

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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>
Vehicle Control <sup>1</sup>	46 ± 5.4	57 ± 1.7	44 ± 1.5	57 ± 2.0
500.0	12 ± 3.3 <sup>s</sup>	42 ± 1.5	42 ± 5.2	58 ± 4.4
1000.0	35 ± 4.3	44 ± 3.1	47 ± 3.9	56 ± 5.7
4000.0	10 ± 2.4 <sup>s</sup>	33 ± 2.7	45 ± 3.1	58 ± 3.5
7000.0	11 ± 1.2 <sup>s</sup>	24 ± 3.6 <sup>s</sup>	42 ± 2.6	46 ± 0.9
10000.0	Toxic	14 ± 4.7 <sup>s</sup>	49 ± 5.4	45 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	319 ± 22.2	439 ± 20.9		
Positive Control <sup>3</sup>			944 ± 43.6	637 ± 56.0

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	19 ± 3.2	15 ± 0.7	27 ± 2.6	20 ± 2.3
500.0	10 ± 2.4	13 ± 1.3	27 ± 3.5	13 ± 1.2
1000.0	6 ± 1.0	10 ± 0.7	22 ± 1.2	14 ± 3.8
4000.0	11 ± 0.9	10 ± 2.9	25 ± 4.5	24 ± 4.3
7000.0	14 ± 0.7 <sup>s</sup>	11 ± 2.0 <sup>s</sup>	26 ± 4.5	19 ± 2.0
10000.0	Toxic	5 ± 0.6 <sup>s</sup>	13 ± 4.0	11 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1052 ± 21.5	796 ± 63.9
Positive Control <sup>4</sup>	404 ± 20.5	279 ± 58.9		

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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 <sup>1</sup>	144 ± 17.1	110 ± 8.5	203 ± 0.3	127 ± 2.6
500.0	186 ± 20.6	117 ± 11.5	278 ± 16.4	233 ± 14.3
1000.0	210 ± 8.5	204 ± 0.9	272 ± 14.2	210 ± 23.9
4000.0	212 ± 10.8	236 ± 1.8	303 ± 2.0	289 ± 8.4
7000.0	184 ± 1.8	271 ± 5.9	332 ± 10.1	328 ± 6.8
10000.0	187 ± 16.2	295 ± 14.7	266 ± 33.4	269 ± 25.7
Trial Summary	Equivocal	Positive	Positive	Positive
Positive Control <sup>5</sup>			662 ± 24.2	620 ± 68.4
Positive Control <sup>6</sup>	410 ± 34.8	607 ± 24.2		

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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: 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

s: Slight Toxicity

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