

Experiment Number: A13077

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

G06: Ames Summary Data

Test Compound: **Metal working fluids (Trim 229)**

CAS Number: **TRIM229**

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

Time Report Requested: **21:13:26**

NTP Study Number:

A13077

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	46 ± 5.4	57 ± 1.7	44 ± 1.5	57 ± 2.0
2000.0	52 ± 2.0	53 ± 6.1	59 ± 3.7	54 ± 0.6
4000.0	45 ± 2.8	56 ± 3.7	57 ± 3.2	56 ± 11.3
6000.0	51 ± 5.7	43 ± 5.5	29 ± 2.0	56 ± 2.0
8000.0	44 ± 2.6	28 ± 4.8	22 ± 2.6 ^s	57 ± 1.0
10000.0	41 ± 2.3 ^s	7 ± 1.2 ^s	Toxic	56 ± 7.9 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	319 ± 22.2	439 ± 20.9		
Positive Control ³			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 ¹			27 ± 2.6	
Vehicle Control ¹	19 ± 3.2	15 ± 0.7		20 ± 2.3
2000.0	12 ± 2.2	10 ± 0.7		16 ± 1.7
2000.0			16 ± 2.7	
4000.0			17 ± 3.2	
4000.0	9 ± 1.9	11 ± 3.1		16 ± 2.1
6000.0	8 ± 1.2 ^s	11 ± 0.3		17 ± 0.9
6000.0			30 ± 1.3	
8000.0	5 ± 1.2 ^s	5 ± 0.3 ^s		16 ± 1.9
8000.0			16 ± 2.6	
10000.0	Toxic	Toxic		11 ± 1.5 ^s
10000.0			19 ± 3.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1050 ± 19.8	796 ± 63.9
Positive Control ⁴	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	With 10% Rat S9
Vehicle Control ¹	144 ± 17.1	110 ± 8.5	203 ± 0.3	130 ± 1.7	317 ± 19.4
2000.0	161 ± 7.5	128 ± 8.5	262 ± 7.4	176 ± 10.3	461 ± 14.6
4000.0	181 ± 4.1	145 ± 9.6	271 ± 3.8	159 ± 5.4	338 ± 9.6
6000.0	163 ± 19.9	169 ± 6.4	256 ± 13.6	178 ± 21.8	361 ± 8.4
8000.0	194 ± 5.0	203 ± 6.8	269 ± 14.7	168 ± 14.2	352 ± 14.7
10000.0	172 ± 2.5	169 ± 8.4	261 ± 16.1	232 ± 8.1	292 ± 14.2
Trial Summary	Negative	Equivocal	Negative	Equivocal	Negative
Positive Control ⁵			662 ± 24.2	620 ± 68.4	796 ± 67.7
Positive Control ⁶	410 ± 34.8	607 ± 24.2			

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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: 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 ****