

Experiment Number: **A90612**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Sodium azide**
CAS Number: **26628-22-8**

Date Report Requested: **09/18/2018**
Time Report Requested: **10:59:45**

NTP Study Number: A90612
Study Result: Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	44 ± 4.3	73 ± 1.5	58 ± 1.5	60 ± 3.8
0.5	186 ± 12.0		50 ± 1.8	
Control Group			1.0	304 ± 20.1
218 ± 31.1	357 ± 4.1	70 ± 6.2		5.0
521 ± 14.7		100 ± 4.7		10.0
623 ± 19.9	636 ± 44.1	287 ± 9.9	425 ± 31.0	20.0
876 ± 34.6		704 ± 13.9		50.0
	663 ± 31.0		823 ± 38.7	75.0
	777 ± 17.1		873 ± 23.1	100.0
	743 ± 52.1		784 ± 61.1	200.0
	628 ± 11.8		703 ± 16.3	
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²			432 ± 7.4	297 ± 5.0

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 1.5	31 ± 5.7	27 ± 3.0	35 ± 5.7
0.5	24 ± 5.4		26 ± 1.2	
1.0	21 ± 1.5		31 ± 3.9	
5.0	20 ± 3.2		28 ± 5.4	
10.0	23 ± 0.3	28 ± 3.2	21 ± 3.0	28 ± 4.1
20.0	20 ± 1.5		20 ± 0.6	
50.0		23 ± 4.0		27 ± 1.5
75.0		36 ± 5.9		37 ± 0.3
100.0		31 ± 4.9		35 ± 0.9
200.0		28 ± 3.8		29 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²			426 ± 46.2	373 ± 28.9
Positive Control ³	195 ± 13.2	502 ± 22.3		

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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	11 ± 2.8	11 ± 3.2	9 ± 1.2	13 ± 2.7
0.5	10 ± 2.0		8 ± 1.5	
1.0	9 ± 0.0		12 ± 1.5	
5.0	12 ± 2.4		11 ± 1.5	
10.0	11 ± 2.3	13 ± 1.9	10 ± 1.2	11 ± 1.5
20.0	13 ± 3.6		11 ± 0.6	
50.0		22 ± 0.3		20 ± 2.5
75.0		24 ± 5.1		23 ± 2.8
100.0		28 ± 2.7		19 ± 1.2
200.0		19 ± 2.8		23 ± 1.2
Trial Summary	Negative	Positive	Negative	Negative
Positive Control ⁴			99 ± 4.2	91 ± 10.3
Positive Control ⁵	450 ± 10.7	420 ± 24.5		

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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	224 ± 2.3	190 ± 8.5	229 ± 5.3	207 ± 7.3
5.0	185 ± 4.2	179 ± 18.7	231 ± 6.1	218 ± 7.6
10.0	223 ± 8.0	244 ± 6.6	267 ± 12.4	236 ± 21.0
50.0	258 ± 23.7	331 ± 8.1	336 ± 24.2	315 ± 14.8
100.0	365 ± 20.6	387 ± 11.2	413 ± 11.4	373 ± 6.5
200.0			437 ± 7.5	338 ± 8.4
500.0	458 ± 5.2	178 ± 4.7		
Trial Summary	Positive	Equivocal	Positive	Equivocal
Positive Control ⁴			759 ± 19.9	813 ± 33.8
Positive Control ⁵	833 ± 54.0	627 ± 10.9		

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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: 2.5 ug/Plate 2-Aminoanthracene
- 3: 5.0 ug/Plate 2-Nitrofluorene
- 4: 20.0 ug/Plate 2-Aminoanthracene
- 5: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****