

Experiment Number: 052722

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

G06: Ames Summary Data

Test Compound: **Copper acetoarsenite**

CAS Number: 12002-03-8

Date Report Requested: 09/15/2018

Time Report Requested: 02:35:53

NTP Study Number:

052722

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	105 ± 5.5	79 ± 4.5	127 ± 13.9	112 ± 10.8	150 ± 5.0
3.0	93 ± 4.3		108 ± 18.0		139 ± 16.2
3.3		85 ± 5.0		115 ± 10.4	
10.0	90 ± 3.2	97 ± 14.5	129 ± 3.5	100 ± 13.1	147 ± 6.7
33.0	91 ± 8.3	81 ± 5.8	104 ± 6.5	96 ± 3.5	117 ± 9.4
100.0	68 ± 15.5	87 ± 7.5	88 ± 7.3	75 ± 1.8	95 ± 9.4
333.0	85 ± 6.9	103 ± 5.7	86 ± 0.6	80 ± 4.3	90 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2441 ± 251.3	2788 ± 80.2	1656 ± 188.6
Positive Control ³	1690 ± 22.6	1377 ± 49.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	102 ± 3.2
3.0	
3.3	93 ± 9.6
10.0	109 ± 11.3
33.0	83 ± 5.0
100.0	83 ± 10.5
333.0	85 ± 9.7
Trial Summary	Negative
Positive Control ²	1636 ± 63.5
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**Test Compound: Copper acetoarsenite
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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.7	5 ± 0.3	8 ± 0.0	10 ± 2.5	18 ± 0.9
3.0			10 ± 1.9		9 ± 2.0
3.3	14 ± 1.7	4 ± 0.3		9 ± 1.2	
10.0	9 ± 2.0	3 ± 1.2	5 ± 0.3	7 ± 1.7	6 ± 2.0
33.0	8 ± 0.6	2 ± 0.7	6 ± 1.5	3 ± 0.6	3 ± 0.0
100.0	5 ± 1.2	1 ± 0.0	6 ± 0.9	2 ± 0.7	2 ± 0.7
333.0	3 ± 0.3	2 ± 0.7	5 ± 1.3	0 ± 0.0	3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			276 ± 43.0	217 ± 40.5	119 ± 1.0
Positive Control ³	1355 ± 70.4	1622 ± 195.8			

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Date Report Requested: 09/15/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.9
3.0	
3.3	6 ± 1.5
10.0	7 ± 0.6
33.0	4 ± 1.2
100.0	5 ± 1.7
333.0	1 ± 1.0
Trial Summary	Negative
Positive Control ⁴	644 ± 56.7
Positive Control ³	

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Date Report Requested: 09/15/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2	7 ± 0.9	4 ± 0.3	7 ± 1.0	6 ± 1.0
3.0	5 ± 1.5		5 ± 1.5		8 ± 3.3
3.3		4 ± 1.2		5 ± 0.9	
10.0	6 ± 0.7	3 ± 1.2	8 ± 2.3	6 ± 1.7	8 ± 1.5
33.0	3 ± 1.2	8 ± 3.5	3 ± 1.2	4 ± 1.2	5 ± 0.9
100.0	3 ± 0.3	2 ± 0.7	7 ± 1.9	6 ± 2.4	3 ± 1.9
333.0	4 ± 2.2	0 ± 0.0	6 ± 1.5	3 ± 0.9	8 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			35 ± 3.5	132 ± 3.3	251 ± 13.3
Positive Control ⁵	698 ± 150.5	978 ± 171.5			

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Date Report Requested: 09/15/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2
3.0	
3.3	7 ± 0.3
10.0	7 ± 0.7
33.0	7 ± 1.2
100.0	3 ± 1.2
333.0	0 ± 0.0
Trial Summary	Negative
Positive Control ⁴	181 ± 11.9
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.8	19 ± 2.3	20 ± 0.9	21 ± 3.0	34 ± 2.1
3.0	15 ± 0.3		34 ± 6.0		31 ± 3.5
3.3		14 ± 1.2		22 ± 3.5	
10.0	15 ± 0.9	17 ± 4.0	28 ± 5.7	19 ± 2.5	28 ± 1.0
33.0	14 ± 1.9	14 ± 1.0	25 ± 0.3	21 ± 4.7	32 ± 5.5
100.0	12 ± 2.0	14 ± 2.2	8 ± 2.6	10 ± 6.5	7 ± 1.8
333.0	11 ± 0.9	4 ± 1.0	15 ± 1.9	7 ± 2.3	22 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1867 ± 2.9	2035 ± 78.1	1168 ± 185.3
Positive Control ⁶	164 ± 9.1	256 ± 15.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.5
3.0	
3.3	24 ± 2.9
10.0	24 ± 2.0
33.0	13 ± 1.7
100.0	19 ± 3.0
333.0	17 ± 1.3
Trial Summary	Negative
Positive Control ²	1038 ± 92.0
Positive Control ⁶	

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****