

Experiment Number: 941167

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Zinc pyrithione

CAS Number: 13463-41-7

Date Report Requested: 09/17/2018

Time Report Requested: 12:38:12

NTP Study Number:

941167

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	85 ± 2.7	98 ± 6.4	97 ± 2.2	117 ± 3.9	123 ± 10.0
1.0	97 ± 11.2	100 ± 5.6	104 ± 4.5	111 ± 8.7	105 ± 1.5
3.0	94 ± 8.2	92 ± 12.7	104 ± 5.8	121 ± 13.0	99 ± 10.7
10.0	94 ± 6.8	95 ± 7.6	99 ± 4.6	128 ± 3.8	129 ± 7.4
16.0		111 ± 16.2		148 ± 6.8	
33.0	81 ± 4.6	65 ± 5.4	105 ± 21.1	130 ± 23.1	80 ± 12.3
100.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	382 ± 7.7	330 ± 26.0			
Positive Control ³			461 ± 26.6	526 ± 25.3	1336 ± 56.6

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 10.7
1.0	100 ± 7.6
3.0	97 ± 7.8
10.0	132 ± 3.7
16.0	102 ± 6.1
33.0	67 ± 6.9
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1359 ± 38.4

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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	23 ± 1.9	19 ± 0.0	8 ± 0.6	9 ± 2.1	9 ± 1.9
1.0	17 ± 0.9	34 ± 7.8	6 ± 0.3	10 ± 1.8	10 ± 2.3
3.0	17 ± 2.3	24 ± 4.6	7 ± 0.7	9 ± 0.0	7 ± 0.0
10.0	21 ± 1.8	30 ± 1.5	10 ± 2.0	11 ± 1.5	7 ± 0.3
16.0		19 ± 0.3		9 ± 3.3	
33.0	10 ± 1.9	8 ± 3.9	6 ± 0.7	7 ± 1.3	5 ± 0.9
100.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	519 ± 6.8	292 ± 10.0			
Positive Control ⁴			158 ± 11.5	188 ± 17.4	438 ± 43.0

Experiment Number: 941167
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Zinc pyrithione
CAS Number: 13463-41-7

Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.6
1.0	11 ± 1.8
3.0	9 ± 3.0
10.0	8 ± 2.4
16.0	7 ± 0.9
33.0	13 ± 0.6
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	447 ± 18.5

Experiment Number: 941167

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Zinc pyriothione

CAS Number: 13463-41-7

Date Report Requested: 09/17/2018

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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	7 ± 0.9	5 ± 0.6	6 ± 1.9	5 ± 0.6	8 ± 2.3
1.0	4 ± 0.9	6 ± 1.5	6 ± 0.3	4 ± 0.3	6 ± 1.5
3.0	4 ± 1.2	6 ± 1.5	6 ± 1.2	5 ± 0.9	6 ± 0.9
10.0	3 ± 0.6	4 ± 0.6	8 ± 2.0	9 ± 2.7	7 ± 0.9
16.0		4 ± 1.0		9 ± 2.2	
33.0	2 ± 1.3	7 ± 1.3	4 ± 0.7	7 ± 1.2	7 ± 1.5
100.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			128 ± 3.9	135 ± 17.4	298 ± 10.1
Positive Control ⁵	556 ± 5.2	129 ± 6.9			

Experiment Number: 941167
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Zinc pyrithione
CAS Number: 13463-41-7

Date Report Requested: 09/17/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
1.0	9 ± 2.0
3.0	8 ± 1.2
10.0	7 ± 1.5
16.0	6 ± 2.1
33.0	5 ± 1.8
100.0	
Trial Summary	Negative
Positive Control ⁴	436 ± 28.4
Positive Control ⁵	

Experiment Number: 941167

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Zinc pyriothione

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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	14 ± 0.3	13 ± 2.1	17 ± 1.8	25 ± 3.2	27 ± 1.5
1.0	12 ± 2.4	16 ± 1.9	20 ± 4.6	29 ± 6.6	26 ± 2.4
3.0	16 ± 1.5	20 ± 2.9	18 ± 3.0	33 ± 4.0	18 ± 1.2
10.0	9 ± 1.3	15 ± 2.1	18 ± 0.3	30 ± 2.0	30 ± 1.2
16.0		14 ± 0.6		28 ± 1.7	
33.0	14 ± 0.6	10 ± 1.7	17 ± 3.7	21 ± 3.8	23 ± 1.3
100.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			402 ± 17.0	507 ± 6.6	1104 ± 32.4
Positive Control ⁶	1034 ± 21.2	415 ± 6.7			

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Zinc pyrithione
CAS Number: 13463-41-7

Date Report Requested: 09/17/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.7
1.0	29 ± 0.9
3.0	32 ± 2.3
10.0	27 ± 1.3
16.0	32 ± 3.8
33.0	18 ± 2.8
100.0	
Trial Summary	Negative
Positive Control ³	1461 ± 63.9
Positive Control ⁶	

Experiment Number: 941167

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

G06: Ames Summary Data

Test Compound: **Zinc pyrithione**

CAS Number: **13463-41-7**

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

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****