

Experiment Number: **342560**

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

G06: Ames Summary Data

Test Compound: **Coumaphos**

CAS Number: **56-72-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **23:11:57**

NTP Study Number:

342560

Study Result:

Negative

Experiment Number: 342560
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G06: Ames Summary Data
 Test Compound: Coumaphos
 CAS Number: 56-72-4

Date Report Requested: 09/12/2018
 Time Report Requested: 23:11:57

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	103 ± 1.8	92 ± 1.2	120 ± 9.8	132 ± 3.6	102 ± 10.3
100.0	91 ± 6.6	89 ± 3.6	113 ± 9.6	141 ± 5.0	101 ± 2.9
333.0	103 ± 5.2	96 ± 1.3	121 ± 1.7	131 ± 12.0	87 ± 9.8
1000.0	102 ± 10.9	82 ± 7.0 ^P	128 ± 6.7 ^P	127 ± 9.3	86 ± 3.2 ^P
3333.0	84 ± 12.7 ^P	80 ± 6.6 ^P	109 ± 6.1 ^P	110 ± 6.4 ^P	82 ± 3.8 ^P
10000.0	92 ± 2.5 ^P	72 ± 2.1 ^P	96 ± 3.8 ^P	100 ± 19.3 ^P	80 ± 6.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					204 ± 5.7
Positive Control ³	343 ± 16.5	271 ± 22.0	320 ± 14.1		
Positive Control ⁴					
Positive Control ⁵				436 ± 2.3	

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Test Compound: Coumaphos
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Date Report Requested: 09/12/2018
Time Report Requested: 23:11:57

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	134 ± 3.5
100.0	140 ± 5.5
333.0	134 ± 10.4
1000.0	125 ± 9.3
3333.0	94 ± 8.4 ^P
10000.0	96 ± 9.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	473 ± 36.7
Positive Control ⁵	

Experiment Number: 342560

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CAS Number: 56-72-4

Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9	16 ± 1.2	8 ± 1.2	10 ± 1.8	7 ± 0.3
100.0	12 ± 0.6	11 ± 2.8	10 ± 2.0	10 ± 2.0	4 ± 0.6
333.0	15 ± 2.9	12 ± 4.3	7 ± 1.7	13 ± 1.2	6 ± 0.6
1000.0	8 ± 2.0 ^P	8 ± 1.2 ^P	7 ± 1.8 ^P	8 ± 1.2 ^P	7 ± 1.5 ^P
3333.0	9 ± 1.5 ^P	7 ± 0.6 ^P	6 ± 0.3 ^P	7 ± 1.0 ^P	4 ± 0.6 ^P
10000.0	3 ± 0.9 ^S	8 ± 0.3 ^P	6 ± 0.6 ^P	5 ± 0.6 ^P	5 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					20 ± 3.2
Positive Control ³	206 ± 11.9	167 ± 14.0			
Positive Control ⁴					
Positive Control ⁵			148 ± 22.6	83 ± 3.1	

Experiment Number: 342560
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Coumaphos
CAS Number: 56-72-4

Date Report Requested: 09/12/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.2
100.0	8 ± 2.3
333.0	12 ± 2.5
1000.0	7 ± 2.8 ^p
3333.0	8 ± 2.3 ^p
10000.0	5 ± 0.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	158 ± 12.9
Positive Control ⁵	

Experiment Number: 342560

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Coumaphos

CAS Number: 56-72-4

Date Report Requested: 09/12/2018

Time Report Requested: 23:11:57

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	5 ± 1.0	6 ± 1.2	6 ± 3.3	10 ± 0.9	9 ± 0.9
100.0	6 ± 1.0	4 ± 2.8	6 ± 2.3	10 ± 2.9	8 ± 0.7
333.0	3 ± 0.3	3 ± 0.0	5 ± 1.5	8 ± 0.9	8 ± 0.9
1000.0	4 ± 0.6 ^P	2 ± 0.6 ^P	5 ± 0.9 ^P	7 ± 1.5 ^P	5 ± 1.0 ^P
3333.0	3 ± 0.9 ^P	5 ± 1.3 ^P	3 ± 0.7 ^P	7 ± 2.2 ^P	6 ± 1.5 ^P
10000.0	4 ± 1.9 ^S	4 ± 1.2 ^P	3 ± 0.0 ^P	3 ± 0.7 ^P	3 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶			104 ± 5.8		
Positive Control ⁷				40 ± 1.5	186 ± 9.6
Positive Control ⁸	48 ± 2.2	109 ± 5.6			

Experiment Number: 342560

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Test Compound: Coumaphos

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Date Report Requested: 09/12/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	90 ± 6.6	89 ± 1.5	140 ± 6.4	186 ± 4.6	107 ± 3.2
100.0	86 ± 1.2	84 ± 6.3	149 ± 8.1	164 ± 8.8	118 ± 9.2
333.0	99 ± 8.0	93 ± 6.9	143 ± 3.8	190 ± 12.2	111 ± 6.7
1000.0	96 ± 9.5 ^P	65 ± 3.5 ^P	140 ± 5.6 ^P	164 ± 2.2 ^P	99 ± 6.8 ^P
3333.0	72 ± 7.5 ^P	72 ± 1.9 ^P	121 ± 12.7 ^P	144 ± 9.5 ^P	105 ± 10.5 ^P
10000.0	56 ± 21.7 ^S	28 ± 8.2 ^P	96 ± 11.7 ^P	119 ± 5.6 ^P	85 ± 11.4 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶					785 ± 16.0
Positive Control ⁵			863 ± 15.0		
Positive Control ⁷				367 ± 11.6	
Positive Control ⁹	298 ± 38.8	180 ± 9.9			

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Mutagenicity

G06: Ames Summary Data
Test Compound: Coumaphos
CAS Number: 56-72-4

Date Report Requested: 09/12/2018
Time Report Requested: 23:11:57

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	149 ± 4.9
100.0	173 ± 7.8
333.0	167 ± 10.2
1000.0	148 ± 4.7 ^P
3333.0	134 ± 6.2 ^P
10000.0	132 ± 3.8 ^P
Trial Summary	Negative
Positive Control ⁶	
Positive Control ⁵	
Positive Control ⁷	1011 ± 47.1
Positive Control ⁹	

Experiment Number: 342560

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Coumaphos

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Date Report Requested: 09/12/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.3	12 ± 2.2	23 ± 2.9	25 ± 2.3	21 ± 2.5
100.0	20 ± 2.7	15 ± 0.9	23 ± 0.3	31 ± 5.0	23 ± 1.8
333.0	19 ± 1.2	10 ± 2.0	35 ± 2.4	27 ± 4.3	16 ± 2.3
1000.0	16 ± 2.0	13 ± 0.6 ^P	31 ± 4.0 ^P	30 ± 2.3	14 ± 0.6 ^P
3333.0	13 ± 3.2 ^P	10 ± 0.6 ^P	18 ± 1.5 ^P	24 ± 2.3 ^P	15 ± 1.5 ^P
10000.0	13 ± 0.9 ^P	8 ± 1.9 ^P	15 ± 1.5 ^P	22 ± 1.9 ^P	16 ± 2.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					149 ± 7.5
Positive Control ²			48 ± 2.0		
Positive Control ¹¹	241 ± 7.3	229 ± 7.8			
Positive Control ⁴				108 ± 4.4	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	27 ± 2.5
100.0	35 ± 3.5
333.0	28 ± 1.9
1000.0	35 ± 6.8
3333.0	20 ± 2.6 ^p
10000.0	17 ± 0.6 ^p
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	73 ± 0.9
Positive Control ¹¹	
Positive Control ⁴	

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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: Acetone
- 2: 0.4 ug/Plate 2-Aminoanthracene
- 3: 0.5 ug/Plate Sodium Azide
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 0.75 ug/Plate 2-Aminoanthracene
- 7: 2.5 ug/Plate 2-Aminoanthracene
- 8: 4.0 ug/Plate 9-Aminoacridine
- 9: 8.0 ug/Plate 9-Aminoacridine
- 10: 0.2 ug/Plate 2-Aminoanthracene
- 11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate
- s: Slight Toxicity

**** END OF REPORT ****