

Experiment Number: 582092

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Acetoacetanilide

CAS Number: 102-01-2

Date Report Requested: 09/14/2018

Time Report Requested: 12:00:58

NTP Study Number:

582092

Study Result:

Negative

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	89 ± 15.9	113 ± 12.3	118 ± 10.5	143 ± 3.3	111 ± 3.3
100.0	89 ± 6.1	122 ± 8.3	96 ± 7.7	145 ± 9.9	107 ± 14.6
333.0	100 ± 7.9	99 ± 11.7	107 ± 10.7	139 ± 4.9	108 ± 4.4
1000.0	87 ± 2.0	98 ± 9.3	109 ± 4.8	127 ± 11.3	107 ± 4.5
3333.0	83 ± 8.5	126 ± 6.2	95 ± 3.4	126 ± 5.9	105 ± 6.5
6666.0		135 ± 6.5		91 ± 10.3	
10000.0	74 ± 11.3 ^s		59 ± 9.5 ^s		63 ± 10.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	291 ± 8.8	312 ± 14.7			
Positive Control ³			819 ± 28.0	205 ± 10.7	1863 ± 16.2

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	118 ± 4.1
100.0	118 ± 2.3
333.0	123 ± 5.2
1000.0	144 ± 13.5
3333.0	108 ± 2.3
6666.0	125 ± 7.2
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	367 ± 7.7

Experiment Number: 582092

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

Test Compound: Acetoacetanilide

CAS Number: 102-01-2

Date Report Requested: 09/14/2018

Time Report Requested: 12:00:58

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.8	23 ± 1.5	11 ± 2.7	10 ± 2.2	7 ± 0.9
100.0	17 ± 0.6	17 ± 3.0	8 ± 4.5	12 ± 1.3	7 ± 0.9
333.0	15 ± 0.9	16 ± 1.2	9 ± 1.8	8 ± 0.3	4 ± 1.7
1000.0	11 ± 1.7	19 ± 2.4	8 ± 3.0	11 ± 1.2	3 ± 0.6
3333.0	18 ± 1.2	18 ± 3.6	7 ± 0.9	7 ± 0.3	3 ± 2.0
6666.0		23 ± 1.7		8 ± 2.7	
10000.0	15 ± 2.2		9 ± 2.2		3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	246 ± 8.8	297 ± 3.0			
Positive Control ⁴			221 ± 17.0	77 ± 8.4	415 ± 9.5

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.3
100.0	9 ± 2.9
333.0	6 ± 0.3
1000.0	6 ± 0.3
3333.0	8 ± 2.0
6666.0	9 ± 1.2
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	428 ± 31.1

Experiment Number: 582092

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Acetoacetanilide

CAS Number: 102-01-2

Date Report Requested: 09/14/2018

Time Report Requested: 12:00:58

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 8.7	120 ± 3.4	228 ± 18.2	160 ± 10.4	191 ± 4.9
100.0	109 ± 5.6	141 ± 7.8	214 ± 13.4	182 ± 7.5	188 ± 3.5
333.0	125 ± 11.1	160 ± 4.7	196 ± 6.2	198 ± 14.8	192 ± 4.9
1000.0	118 ± 11.1	163 ± 13.9	188 ± 14.2	189 ± 6.0	175 ± 11.6
3333.0	94 ± 8.2	149 ± 16.5	175 ± 11.5	176 ± 7.9	188 ± 4.3
6666.0	79 ± 9.1			152 ± 14.6	
10000.0		95 ± 8.1	114 ± 19.4		165 ± 18.6
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ⁴			1360 ± 232.5	540 ± 12.7	1587 ± 146.1
Positive Control ⁵	954 ± 47.1	1202 ± 131.1			

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 11.6
100.0	140 ± 16.4
333.0	131 ± 11.9
1000.0	126 ± 13.5
3333.0	116 ± 2.8
6666.0	109 ± 18.1
10000.0	
Trial Summary	Negative
Positive Control ⁴	1123 ± 30.4
Positive Control ⁵	

Experiment Number: 582092

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Acetoacetanilide

CAS Number: 102-01-2

Date Report Requested: 09/14/2018

Time Report Requested: 12:00:58

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 3.5	16 ± 0.7	26 ± 0.6	28 ± 2.8	23 ± 5.5
100.0	12 ± 4.9	12 ± 1.7	22 ± 0.9	18 ± 1.9	22 ± 5.0
333.0	15 ± 5.2	13 ± 0.9	16 ± 1.8	23 ± 3.5	19 ± 3.0
1000.0	9 ± 1.2	17 ± 2.0	22 ± 2.1	18 ± 1.9	24 ± 2.6
3333.0	8 ± 2.0	16 ± 4.6	21 ± 3.0	22 ± 3.1	25 ± 4.5
6666.0		13 ± 1.5		14 ± 1.8	
10000.0	5 ± 0.7 ^s		15 ± 1.2		19 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			328 ± 26.0	72 ± 5.2	1105 ± 7.8
Positive Control ⁶	396 ± 24.4	560 ± 43.7			

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.9
100.0	21 ± 1.2
333.0	20 ± 2.9
1000.0	24 ± 3.5
3333.0	22 ± 3.2
6666.0	19 ± 1.5
10000.0	
Trial Summary	Negative
Positive Control ³	137 ± 14.3
Positive Control ⁶	

Experiment Number: 582092
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Acetoacetanilide
CAS Number: 102-01-2

Date Report Requested: 09/14/2018
Time Report Requested: 12:00:58

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
- s: Slight Toxicity

** END OF REPORT **