

Experiment Number: 459847

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

G06: Ames Summary Data

Test Compound: **Butanal oxime**

CAS Number: **110-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:33:43**

NTP Study Number:

459847

Study Result:

Weakly Positive

Experiment Number: 459847

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/11/2018

Time Report Requested: 09:33:43

Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	105 ± 9.3	133 ± 2.8	108 ± 12.0	134 ± 11.2	123 ± 11.0
3.0	104 ± 2.9				
10.0	93 ± 6.6				
33.0	80 ± 4.0				
100.0	96 ± 2.5				134 ± 9.2
333.0	91 ± 5.2	119 ± 8.5	117 ± 6.2	155 ± 4.9	141 ± 4.2
666.0		140 ± 0.9	153 ± 18.4	146 ± 3.7	
1000.0	96 ± 4.4	159 ± 2.2	170 ± 6.8	120 ± 7.8	158 ± 2.0
1666.0		149 ± 9.3	155 ± 17.4	135 ± 3.2	
3333.0	71 ± 10.4	153 ± 2.8	190 ± 3.1	101 ± 17.9	159 ± 9.8
6666.0					84 ± 1.5
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²		573 ± 26.8	389 ± 51.7	368 ± 8.2	
Positive Control ³					477 ± 57.3
Positive Control ⁴	1335 ± 96.2				

Experiment Number: 459847

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/11/2018

Time Report Requested: 09:33:43

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	161 ± 6.4	169 ± 4.1	160 ± 3.2	112 ± 9.6	97 ± 10.3
3.0					
10.0	139 ± 13.2	154 ± 3.4			121 ± 14.2
33.0	156 ± 4.0	148 ± 13.0			127 ± 8.7
100.0	153 ± 14.2	150 ± 17.4		94 ± 4.5	126 ± 1.3
333.0	163 ± 13.8	165 ± 5.5	142 ± 12.5	122 ± 11.2	127 ± 10.0
666.0			183 ± 6.2		
1000.0	204 ± 3.9	215 ± 10.1	164 ± 13.4	138 ± 11.0	134 ± 4.2
1666.0			229 ± 5.0		
3333.0	184 ± 9.2	171 ± 9.5	180 ± 7.8	33 ± 3.3	34 ± 4.2
6666.0	219 ± 39.7 ^x	104 ± 10.0		0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Equivocal	Equivocal	Equivocal	Negative	Equivocal
Positive Control ²				594 ± 72.1	541 ± 17.1
Positive Control ³	329 ± 14.3	310 ± 6.0	315 ± 55.5		
Positive Control ⁴					

Experiment Number: 459847

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/11/2018

Time Report Requested: 09:33:43

Strain: TA1535

Dose (ug/Plate)	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	13 ± 1.5	17 ± 1.2	13 ± 1.5	11 ± 2.1	7 ± 2.0
100.0		10 ± 1.5			14 ± 1.9
333.0		13 ± 2.3	13 ± 0.9		13 ± 2.0
666.0			14 ± 0.3		
1000.0	27 ± 4.1	23 ± 5.0	11 ± 1.5	20 ± 2.6	23 ± 3.6
1666.0	30 ± 2.0	21 ± 1.2	19 ± 3.0	21 ± 2.0	25 ± 2.7
3333.0	32 ± 2.4	34 ± 3.4	23 ± 1.7	38 ± 3.8	26 ± 2.3
6666.0	14 ± 3.2 ^s			14 ± 1.9	
10000.0	6 ± 2.0 ^s			7 ± 3.2 ^s	
Trial Summary	Positive	Equivocal	Negative	Positive	Positive
Positive Control ³	144 ± 14.9	66 ± 1.8	63 ± 2.9	55 ± 3.7	56 ± 4.6
Positive Control ⁵					

Experiment Number: 459847

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

G06: Ames Summary Data

Test Compound: **Butanal oxime**

CAS Number: **110-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:33:43**

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9
Vehicle Control ¹	20 ± 0.6
100.0	
333.0	16 ± 1.7
666.0	16 ± 0.9
1000.0	17 ± 2.1
1666.0	21 ± 2.8
3333.0	18 ± 2.6
6666.0	
10000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	81 ± 14.7

Experiment Number: 459847

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

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/11/2018

Time Report Requested: 09:33:43

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 5.0	22 ± 2.6	27 ± 1.9	22 ± 4.3	22 ± 5.2
3.0		26 ± 2.4			
10.0		26 ± 2.5		13 ± 2.7	
33.0	19 ± 2.6	29 ± 3.0		14 ± 1.2	
100.0	15 ± 1.3	19 ± 2.9	32 ± 2.1	13 ± 0.7	22 ± 5.2
333.0	9 ± 3.0	19 ± 3.7	18 ± 0.3	16 ± 3.5	19 ± 3.2
1000.0	13 ± 1.2	17 ± 0.3	21 ± 3.8	20 ± 3.0	15 ± 0.9
3333.0	8 ± 0.3	17 ± 3.5	15 ± 1.5	11 ± 3.5	3 ± 0.7
6666.0			13 ± 0.7	8 ± 2.8	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			109 ± 9.5	135 ± 2.7	493 ± 38.1
Positive Control ⁶	475 ± 21.8	719 ± 31.7			

Experiment Number: 459847

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

G06: Ames Summary Data

Test Compound: **Butanal oxime**

CAS Number: **110-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:33:43**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 2.6
3.0	
10.0	22 ± 0.9
33.0	22 ± 2.9
100.0	14 ± 0.6
333.0	15 ± 2.6
1000.0	10 ± 0.6
3333.0	1 ± 0.3
6666.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	525 ± 31.7
Positive Control ⁶	

Experiment Number: 459847

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

G06: Ames Summary Data

Test Compound: **Butanal oxime**

CAS Number: **110-69-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **09:33:43**

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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****