

Experiment Number: 795519

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

G06: Ames Summary Data

Test Compound: **Isoamyl acetate**

CAS Number: **123-92-2**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:38:28**

NTP Study Number:

795519

Study Result:

Negative

Experiment Number: 795519

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

CAS Number: 123-92-2

Date Report Requested: 09/18/2018

Time Report Requested: 06:38:28

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	160 ± 10.7	97 ± 6.4	109 ± 14.4	168 ± 4.4	120 ± 4.4
10.0		94 ± 7.0			
33.0	165 ± 7.5	96 ± 9.9			
100.0	154 ± 4.1	98 ± 7.2	115 ± 3.9	178 ± 3.5	93 ± 4.8
333.0	168 ± 3.9	91 ± 0.9	112 ± 3.7	191 ± 4.4	116 ± 11.1
1000.0	109 ± 13.0	85 ± 4.4	110 ± 6.2	189 ± 6.6	121 ± 4.4
1666.0	79 ± 2.5				
3333.0			100 ± 4.8	153 ± 5.3	95 ± 4.8
6666.0					86 ± 3.8
10000.0			95 ± 14.0	135 ± 6.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					416 ± 43.7
Positive Control ³			407 ± 21.8		
Positive Control ⁴	328 ± 1.2	383 ± 4.7			
Positive Control ⁵				614 ± 15.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	179 ± 4.6
10.0	
33.0	
100.0	170 ± 1.9
333.0	185 ± 0.9
1000.0	172 ± 9.0
1666.0	
3333.0	168 ± 9.4
6666.0	
10000.0	122 ± 7.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	593 ± 21.6
Positive Control ⁴	
Positive Control ⁵	

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CAS Number: 123-92-2

Date Report Requested: 09/18/2018

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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	15 ± 1.5	27 ± 4.3	7 ± 1.8	13 ± 0.6	9 ± 2.2
10.0		16 ± 2.4			
33.0	18 ± 1.5	20 ± 3.7	10 ± 0.9		
100.0	16 ± 1.8	17 ± 2.2	8 ± 1.9	14 ± 1.3	8 ± 0.9
333.0	17 ± 0.9	10 ± 2.4	9 ± 2.3	11 ± 1.3	6 ± 0.9
1000.0	8 ± 2.9	12 ± 2.5	11 ± 0.3	10 ± 1.2	6 ± 0.6
1666.0	0 ± 0.0 ^s		6 ± 1.0		
3333.0				11 ± 1.2 ^s	6 ± 2.4
6666.0					7 ± 1.5
10000.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					141 ± 17.2
Positive Control ⁴	205 ± 8.7	331 ± 11.2			
Positive Control ⁵			167 ± 4.5		
Positive Control ⁶				60 ± 3.0	

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G06: Ames Summary Data

Test Compound: **Isoamyl acetate**

CAS Number: **123-92-2**

Date Report Requested: **09/18/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.5
10.0	
33.0	
100.0	12 ± 1.5
333.0	11 ± 0.0
1000.0	12 ± 2.0
1666.0	
3333.0	9 ± 1.3
6666.0	
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	205 ± 21.1
Positive Control ⁶	

Experiment Number: 795519

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

Test Compound: Isoamyl acetate

CAS Number: 123-92-2

Date Report Requested: 09/18/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.0	12 ± 2.5	8 ± 0.9
33.0	10 ± 1.9		
100.0	11 ± 3.8	7 ± 2.0	7 ± 0.7
333.0	8 ± 0.9	10 ± 2.2	8 ± 1.0
1000.0	5 ± 1.3	10 ± 1.2	9 ± 0.3
1666.0	1 ± 1.0 ^s		
3333.0		10 ± 3.1 ^s	7 ± 0.9
10000.0		2 ± 1.7 ^s	1 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³			56 ± 3.8
Positive Control ⁵		42 ± 3.2	
Positive Control ⁷	241 ± 17.4		

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Isoamyl acetate**

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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	177 ± 12.3	172 ± 10.4	197 ± 6.4	205 ± 7.4	171 ± 8.6
10.0		170 ± 3.0			
33.0	190 ± 4.6	174 ± 7.3	188 ± 10.8		
100.0	188 ± 0.9	167 ± 7.1	208 ± 3.8	219 ± 2.9	169 ± 5.5
333.0	192 ± 8.0	160 ± 6.5	200 ± 3.3	220 ± 9.6	201 ± 10.4
1000.0	165 ± 5.9	140 ± 18.4 ^s	186 ± 8.2	215 ± 12.7	182 ± 6.2
1666.0	8 ± 8.3 ^s		184 ± 12.2		
3333.0				142 ± 18.3 ^s	166 ± 14.3
6666.0					161 ± 10.5
10000.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					406 ± 20.2
Positive Control ³			465 ± 33.2		
Positive Control ⁵				351 ± 5.8	
Positive Control ⁷	611 ± 38.1	617 ± 90.0			

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

Test Compound: **Isoamyl acetate**

CAS Number: **123-92-2**

Date Report Requested: **09/18/2018**

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	212 ± 5.5
10.0	
33.0	
100.0	206 ± 7.9
333.0	201 ± 7.8
1000.0	201 ± 9.1
1666.0	
3333.0	183 ± 8.7
6666.0	
10000.0	136 ± 9.1 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	395 ± 1.3
Positive Control ⁵	
Positive Control ⁷	

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Isoamyl acetate**

CAS Number: 123-92-2

Date Report Requested: 09/18/2018

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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	23 ± 2.3	19 ± 1.2	33 ± 2.3	48 ± 1.8	30 ± 1.2
10.0		13 ± 0.9			
33.0	21 ± 3.7	16 ± 2.3	26 ± 4.3		
100.0	23 ± 4.7	14 ± 2.8	26 ± 3.3	40 ± 1.5	30 ± 3.2
333.0	22 ± 4.9	12 ± 2.0	27 ± 1.8	36 ± 2.6	28 ± 6.4
1000.0	10 ± 0.7	17 ± 3.8	19 ± 0.7	31 ± 3.0	28 ± 2.2
1666.0	4 ± 4.3 ^s		31 ± 5.2		
3333.0				14 ± 0.7 ^s	23 ± 3.9
6666.0					23 ± 3.7
10000.0				0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					416 ± 13.8
Positive Control ³			404 ± 29.4	134 ± 8.5	
Positive Control ⁸	401 ± 22.5	447 ± 15.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 2.6
10.0	
33.0	
100.0	31 ± 1.5
333.0	29 ± 2.3
1000.0	28 ± 3.9
1666.0	
3333.0	24 ± 3.7
6666.0	
10000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	364 ± 18.9
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****