

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

**NTP Study Number:**

860655

**Study Result:**

Positive

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	132 ± 5.2	158 ± 7.5	136 ± 5.1	128 ± 4.0	114 ± 6.4
0.01			132 ± 3.8		116 ± 5.5
0.03	128 ± 7.3		137 ± 11.9		118 ± 4.7
0.1	121 ± 5.2	155 ± 11.0	135 ± 10.0	140 ± 8.0	111 ± 8.4
0.3	107 ± 7.5	152 ± 9.4	137 ± 3.0	145 ± 2.8	111 ± 7.4
1.0	81 ± 2.6	122 ± 2.9	120 ± 4.2	118 ± 12.3	122 ± 3.5
3.0	6 ± 1.9 <sup>s</sup>	27 ± 1.7		25 ± 2.4	
6.0		6 ± 2.1 <sup>s</sup>		1 ± 1.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				437 ± 41.9	453 ± 28.8
Positive Control <sup>3</sup>		408 ± 13.7	427 ± 37.8		
Positive Control <sup>4</sup>	465 ± 17.2				

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

**Strain: TA1535**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.2	13 ± 1.5	10 ± 1.2
0.003	11 ± 1.2		
0.01	10 ± 2.3	17 ± 0.6	9 ± 0.9
0.03	8 ± 1.2	12 ± 3.2	11 ± 4.3
0.1	9 ± 0.3	13 ± 3.0	12 ± 1.5
0.3	9 ± 2.1	13 ± 1.5	11 ± 0.9
1.0		12 ± 1.2	10 ± 1.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>			255 ± 2.1
Positive Control <sup>5</sup>		102 ± 6.2	
Positive Control <sup>4</sup>	454 ± 20.7		

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

**Strain: TA97**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	177 ± 12.9	194 ± 5.4	146 ± 9.2
0.003	204 ± 3.8		
0.01	213 ± 2.4	204 ± 14.9	144 ± 3.0
0.03	201 ± 7.0	196 ± 7.8	143 ± 5.8
0.1	166 ± 15.2	174 ± 1.2	143 ± 12.8
0.3	155 ± 2.1	147 ± 13.6	130 ± 2.3
1.0		170 ± 3.0	134 ± 7.5
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>			499 ± 39.3
Positive Control <sup>3</sup>		410 ± 19.7	
Positive Control <sup>6</sup>	381 ± 15.2		

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 1.8	24 ± 2.3	26 ± 4.8
0.001	16 ± 1.0	22 ± 1.9	
0.003	20 ± 2.6	21 ± 4.0	22 ± 3.4
0.01	22 ± 0.9	18 ± 1.7	22 ± 2.2
0.03	26 ± 4.0	25 ± 2.8	19 ± 2.3
0.1	22 ± 3.2	17 ± 1.7	16 ± 2.8
0.3			17 ± 2.6
1.0			
3.0			
6.0			
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		92 ± 0.9	306 ± 6.4
Positive Control <sup>7</sup>	416 ± 12.3		

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

## Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	191 ± 6.3	117 ± 6.9	183 ± 20.0	355 ± 15.2	238 ± 17.0
0.003	190 ± 8.7	145 ± 8.3		391 ± 4.1	
0.01	187 ± 9.3	168 ± 10.4	193 ± 3.9	391 ± 12.5	288 ± 7.5
0.03	226 ± 12.5	190 ± 6.3	229 ± 11.2	376 ± 14.7	289 ± 6.6
0.1	334 ± 15.4	200 ± 5.5	300 ± 13.2	394 ± 10.7	285 ± 12.0
0.3	418 ± 9.5	212 ± 6.4	337 ± 15.1	368 ± 25.7	295 ± 22.0
0.6		207 ± 18.8	319 ± 20.7		293 ± 6.6
1.0			333 ± 19.2		250 ± 7.2
3.0			34 ± 3.7 <sup>s</sup>		104 ± 14.4 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Negative	Negative
Positive Control <sup>8</sup>	672 ± 72.5	541 ± 8.0	675 ± 22.0		
Positive Control <sup>5</sup>					
Positive Control <sup>9</sup>				443 ± 0.3	554 ± 31.7

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

## Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	328 ± 20.3	282 ± 5.8	262 ± 1.5
0.003	357 ± 10.7	306 ± 7.0	
0.01	310 ± 16.8	305 ± 9.6	285 ± 7.1
0.03	357 ± 31.1	325 ± 3.5	277 ± 3.0
0.1	449 ± 9.2	374 ± 22.0	333 ± 8.0
0.3	482 ± 11.0	389 ± 20.6	360 ± 7.4
0.6		456 ± 7.4	356 ± 6.3
1.0			417 ± 14.6
3.0			228 ± 19.9
Trial Summary	Positive	Positive	Positive
Positive Control <sup>8</sup>			
Positive Control <sup>5</sup>	501 ± 13.4	450 ± 10.9	636 ± 117.1
Positive Control <sup>9</sup>			

Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

## Strain: TA104

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	307 ± 12.4	347 ± 5.8	343 ± 11.7
0.003	326 ± 11.2		
0.01	326 ± 5.0	376 ± 11.0	382 ± 12.1
0.03	344 ± 6.1	404 ± 6.9	385 ± 22.4
0.1	347 ± 2.9	390 ± 4.2	410 ± 15.4
0.3	277 ± 14.6	372 ± 1.7	359 ± 10.7
1.0		324 ± 26.5	289 ± 23.2
Trial Summary	Negative	Equivocal	Equivocal
Positive Control <sup>3</sup>			852 ± 18.6
Positive Control <sup>5</sup>		833 ± 18.5	
Positive Control <sup>10</sup>	485 ± 2.9		



Experiment Number: 860655

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 3'-Azido-3'-deoxythymidine (AIDS)

CAS Number: 30516-87-1

Date Report Requested: 09/16/2018

Time Report Requested: 13:31:59

**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: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

8: 0.5 ug/Plate Mitomycin-C

9: 10.0 ug/Plate 2-Aminoanthracene

10: 250.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**\*\* END OF REPORT \*\***