



## TEST REPORT

**CLIENT:** KlearLabs LLC  
8122 Uzita Dr.  
Sarasota, FL 34240

Attn: Steven Frank

**REASON FOR REVISION:** Customer requested kill ratio be calculated showing the reduction in CFU's instead of with a log function.

**OBJECTIVE:** Determine the MBC of *Salmonella enterica, serovar Typhi* to compare the antimicrobial activity of various preparations of an aqueous silver colloid.

**SAMPLES:** Four samples were delivered by the client on December 19, 2011 and identified as follows:

1. DIW
2. TA1
3. TA2
4. TA3

**TESTING:** The samples were analyzed according to KlearLabs, LLC MBC Screening Protocol Rev. A dated 12/14/11 and provided to Microbac Laboratories, Hauser Division.

For any feedback concerning our services, please contact the Managing Director or James Nokes, President, at [james.nokes@microbac.com](mailto:james.nokes@microbac.com) or Sean Hyde, Chief Operating Officer, at [sean.hyde@microbac.com](mailto:sean.hyde@microbac.com). This report applies only to the sample(s) tested or analyzed. This report may be copied only in its entirety, unless prior written consent has been granted by an authorized agent of the Hauser Laboratories Division of Microbac Laboratories, Inc.

**Microbac Laboratories, Inc., Hauser Laboratories Division**

4750 Nautilus Court South, Unit A, Boulder, CO 80301 Ph: 720 406 4800 Fax: 303 581 0195

[www.microbac.com](http://www.microbac.com)



**CLIENT:** KlearLabs LLC  
8122 Uzita Dr.  
Sarasota, FL 34240

Attn: Steven Frank

**RESULTS:** Tables 1 and 2 contain the raw data.

Table 1

Dilution	Colonies	CFU/ml
-4	TNTC	
-6	622	6.22 x 10 <sup>8</sup>

Table 2

Test 1	Plate 1	Plate 2	Plate 3	Plate 4	Plate 5	Plate 6	Kill ratio
<b>Dilution</b>	0	-3	-4	-5	-6	-7	
<b>DIW</b>	TNTC	TNTC	TNTC	51	8	2	1
<b>TA1</b>	0	0	0	0	0	0	> 6.5 x 10 <sup>6</sup>
<b>TA2</b>	0	0	0	0	0	0	> 6.5 x 10 <sup>6</sup>
<b>TA3</b>	0	0	0	0	0	0	> 6.5 x 10 <sup>6</sup>

**CONCLUSION:** Samples TA1, TA2, TA3 showed complete kill of *Salmonella enterica, serovar Typhi*.

**DATA REVIEWED AND  
REPORT WRITTEN BY:**

\_\_\_\_\_  
Kimberly Dusek  
Analyst I

**REPORT REVIEWED BY:**

\_\_\_\_\_  
Becky F. Kinsinger  
Microbiology Manager

For any feedback concerning our services, please contact the Managing Director or James Nokes, President, at [james.nokes@microbac.com](mailto:james.nokes@microbac.com) or Sean Hyde, Chief Operating Officer, at [sean.hyde@microbac.com](mailto:sean.hyde@microbac.com). This report applies only to the sample(s) tested or analyzed. This report may be copied only in its entirety, unless prior written consent has been granted by an authorized agent of the Hauser Laboratories Division of Microbac Laboratories, Inc.

**Microbac Laboratories, Inc., Hauser Laboratories Division**

4750 Nautilus Court South, Unit A, Boulder, CO 80301 Ph: 720 406 4800 Fax: 303 581 0195

[www.microbac.com](http://www.microbac.com)