

**EXAMPLE TEST REPORT #3**  
**Antimicrobial Time Kill Test**  
**Report Transmittal and Recommendation**

April 1, 1999

Mr./Mrs. Customer  
Any Company  
Any Town, USA

Dear Mr./Mrs. Customer,

Enclosed please find a copy of our microbiology laboratory report outlining the results of the "Antibacterial Time Kill" test conducted on the following sample:

Liquid Dish Detergent/Antibacterial Hand Soap – Containing PCMX

Please feel free to contact me if you have any questions.

Very truly yours,



Donald F. Greene  
Microbiologist

**SURCIDE PCMX**  
**TECHNICAL SERVICE LABORATORY REPORT**

Antibacterial Hand Soap Time Kill Study

**REPORT NUMBER:** 123-456

**COMPANY:** Any Company, USA

**SAMPLE(S):** Liquid Dish Detergent/Antibacterial Hand Soap - Containing PCMX

### Contamination Check

The sample was evaluated for initial microbial content and was found to be free of microbial contamination.

### Procedure

An inoculum was prepared by mixing 0.25ml of a 24 hour broth culture of the test organisms with 9.75ml of sterile 0.9% saline solution. A serial dilution/viable cell count was prepared on the inoculum to determine the number of organisms/ml of inoculum. One ml of the inoculum was added to 9.0ml of the formulation and mixed with a sterile glass rod. After the approved contact time (60 seconds and 120 seconds), one ml aliquot of the inoculum/product was removed and added to Lethen Neutralizer Broth to neutralize the active ingredient. A second serial dilution/viable cell count was performed on this aliquot to determine the number of surviving organisms. The viable cell counts after 60 and 120 seconds were compared to the initial base line inoculum counts in order to determine the percent (%) of reduction factor (RF). The reduction factor is the % reduction of the challenge organism(s) from the initial baseline population. The RF is calculated as the  $VCC/Baseline \times 100 = X$ .  $100\% - X = RF$  (in %).

### Test Organisms

Staphylococcus aureus ATCC 6358

Escherichia coli ATCC 8739

Pseudomonas aeruginosa ATCC 15442

### **RESULTS:**

#### **BASELINE EXPOSURE**

<b>SAMPLE</b>	<b>ORGANISM</b>	<b>COUNT</b>	<b>TIME</b>	<b>VCC</b>	<b>RF (% REDUCTION)</b>
Liquid Dish/ Antibacterial Hand-Soap	E.coli	1,309,000	60 sec	4,000	99.694%
Liquid Dish/ Antibacterial Hand-Soap	E.coli	1,309,000	120 sec	1,030	99.921%
Liquid Dish/ Antibacterial Hand-Soap	S.aureus	2,600,000	60 sec	<10	>99.999%
Liquid Dish/ Antibacterial Hand-Soap	S.aureus	2,600,000	120 sec	<10	>99.999%
Liquid Dish/ Antibacterial Hand-Soap	Ps.aeruginosa	8,727,000	60 sec	265	99.996%
Liquid Dish/ Antibacterial Hand-Soap	Ps.aeruginosa	8,727,000	120 sec	<10	>99.999%

Legend: VCC – Viable cell count after exposure

RF – Reduction Factor (% reduction from initial baseline count)

Donald F. Greene,  
Microbiologist.

April 1, 1999

The information and recommendations set forth are based on our own research and that of others, and to the best of our knowledge believed to be correct. Suggestions made concerning uses or application are only the opinion of Surety Laboratories, Inc. and you should make your own tests to determine the suitability of this information for your own particular purpose. However, because of numerous factors affecting results, Surety Laboratories, Inc. makes no warranty of any kind, expressed or implied. Statements herein therefore, should not be construed as representations or warranties of any kind.