

KIMCARE ANTIBACTERIAL*

Antibacterial Clear Skin Cleanser

0.25% Triclosan

Features & Benefits

- Effective against a wide range of gram positive bacteria
- Contains Triclosan
- Gentle to the skin – contains Aloe Vera, Glycerin and Provitamin B5
- Special formula – pH balanced with a rich, creamy lather
- Crystal clear formula with a light floral scent

Product Characteristics

Color: Clear

Fragrance: Light Floral

Viscosity: 6,000 - 10,000 cps

pH: 6 - 7

DIN #02243381

Product Data	
Critical Ingredients	Performance
Triclosan	Provides for reduction in gram positive microorganisms
All synthetic surfactant blend	Provides mild, yet effective cleansing with high foaming; pH balanced
Aloe Vera, Glycerin ProVitamin B5	Emollients to provide smooth, creamy feel: moisturizes the skin

MICROBIAL TIME-KILL RESULTS

MICROORGANISMS	Reduction (%)
<i>Streptococcus pyogenes</i> (ATCC # 19615)	99.99% ⁴
<i>Staphylococcus epidermidis</i> (ATCC # 12228)	96.98%
<i>Staphylococcus aureus</i> MRSA ¹ (ATCC # 33592)	74.88%
<i>Staphylococcus aureus</i> (ATCC # 6538)	98.11%
<i>Enterococcus faecalis</i> VRE ² , MDR ³ (ATCC # 51575)	42.52% ⁵

The data summarized shows the percentage reduction of organisms after 15 seconds exposure to Antibacterial Clear Skin Cleanser.

¹ MRSA = Methicillin Resistant *Staphylococcus aureus*

² VRE = Vancomycin Resistant *Enterococcus faecalis*

³ MDR = Multi-drug Resistant *Enterococcus faecalis*

⁴ 5.33 log reduction

⁵ 84.30% 1 minute reduction

Source: BioScience Laboratories, Inc.

Time-Kill Studies

Objective: This test was designed to evaluate the antimicrobial effectiveness of product formulations when challenged with different microorganism strains representing the broad spectrum of germs that may cause the spread of infectious diseases.

Description: Viable cultures of individual pathogenic organisms were inoculated in Antibacterial Clear Skin Cleanser. At specific time intervals, portions of the inoculated product were removed and immediately placed into neutralizers to stop any further antimicrobial activity. The organisms surviving in the neutralized product were then enumerated by standard plate count techniques.

Conclusion: The test determined that Antibacterial Clear Skin Cleanser is rapidly effective against a wide range of gram positive microorganisms tested.

Preservative Efficacy

Products: KIMCARE ANTIBACTERIAL* Antibacterial Clear Skin Cleanser

Methodology: Preservative Challenge - USP Antimicrobial Efficacy Test for topically used products

Objective: This test determines the quality and efficacy of a product's preservative system by a 28-day challenge, after 90 days of accelerated aging.

Description of Test: Finished product samples were tested in the Microbiology Laboratory using the USP Antimicrobial Effectiveness Test <51>. Viable suspensions of five microorganisms were inoculated into the test samples. The samples were then incubated and microbial counts determined at fourteen and twenty-eight days.

Interpretation: The antimicrobial preservative is effective in the product examined if (a) there is at least a 2 log reduction in the concentrations of viable bacteria from the initial concentrations by the fourteenth day; (b) the concentrations of viable yeasts and molds remain at or below the initial concentrations during the first 14 days; and (c) the concentration of each test microorganism remains at or below these designated levels during the remainder of the 28-day test period.

Results: The preservative system in the KIMCARE ANTIBACTERIAL* Antibacterial Clear Skin Cleanser is effective across a range of different types of gram positive microorganisms and meets the USP Preservative Efficacy Standards.

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