

Health Care Personnel **HANDWASH** WITH 1% TRICLOSAN

- **Antimicrobial Skin Cleanser**
- **Mild-To-The-Skin**
- **With Special Emollient**





CliniShield® Health Care Personnel Handwash

- An extremely mild yet highly effective antimicrobial handwash with 1% Triclosan for use before and after clinical contact.
- Dermatologist tested formula designed for use on all skin types.
- Demonstrates a greater than 99% kill in 15 seconds or less against the antibiotic resistant bacteria MRSA and VRE.
- The anti-bacterial efficacy of CliniShield® Health Care Personnel Handwash is demonstrated in both in-vitro and in-vivo testing as specified by the FDA "TFM for Health Care Antiseptic Drug Products"¹. Effective against a broad spectrum of organisms associated with the most commonly occurring healthcare acquired infections including those listed in the "National Nosocomial Infection Surveillance (NNIS) System Report"².

¹ "Tentative Final Monograph for Health Care Antiseptic Drug Products," Federal Register, Vol. 59, No. 116, p. 31444.

² "National Nosocomial Infections Surveillance (NNIS) System Report, Data Summary from January 1990 - May 1999, issued June 1999," American Journal of Infection Control, Vol. 27, No. 6, pp. 520-535.

Stock #	Size	#/Case
9 64107 12	16 fl. oz. w/pump	12 bottles/case
9 64106 06	1600 ml bottle	6 bottles/case

Physical Properties:

Description: orange, clear liquid
 Fragrance: pleasant, mild, non-lingering
 pH: 5.3 - 6.3
 Active Ingredient: 1% Triclosan

Efficacy Tests

Minimum Inhibitory Concentration (MIC) (In Vitro)

Purpose: To determine the concentration of an antiseptic handwash which will inhibit the growth of bacteria.

Time Kill (In Vitro)

Purpose: To measure the ability of an antiseptic handwash to reduce bacteria at different points of time exposure. e.g. 15 or 30 seconds.

Health Care Personnel Handwash Test (In Vivo)

Purpose: To determine the ability of an antiseptic handwash to reduce bacteria on the hands after an actual handwash procedure using the marker organism (*Serratia marcescens*). FDA defines an antiseptic handwash as one which provides a greater than 99% reduction of the marker organism after a single handwash and a greater than 99.9% reduction after the 10th handwash.

15 Second Time Kill / MIC

Microorganisms	Source	Time Kill	MIC
Bacterial Strains			
<i>Acinetobacter baumannii</i>	ATCC 19606	98.6	>1:2048
<i>Clostridium difficile</i> (vegetative)	ATCC 9689	>99.8	>1:2048
<i>Escherichia coli</i>	ATCC 11229	99.5	>1:2048
<i>Enterobacter aerogenes</i>	ATCC 13048	99.8	>1:2048
<i>Enterococcus faecalis</i>	ATCC 29212	99.6	>1:2048
<i>Klebsiella pneumoniae</i>	ATCC 11296	99.8*	>1:2048
<i>Proteus mirabilis</i>	ATCC 9240	96.0*	>1:2048
<i>Pseudomonas aeruginosa</i>	ATCC 9027	99.7	1:8
<i>Staphylococcus aureus</i>	ATCC 6538	99.6	>1:2048
<i>Staphylococcus epidermidis</i>	ATCC 12228	98.4*	>1:2048
Antibiotic Resistant Bacterial Strains			
<i>Enterococcus faecium</i> VRE	ATCC 51559	>99.9	>1:2048
<i>Haemophilus influenzae</i>	ATCC 19418	99.9	>1:2048
<i>Serratia marcescens</i>	ATCC 8100	99.3*	>1:2048
<i>Staphylococcus aureus</i> MRSA	ATCC 33593	99.6	>1:2048
<i>Streptococcus pneumoniae</i>	ATCC 6303	99.5*	>1:2048

ATCC = American Type Culture Collection

*30 Second Exposure

Healthcare Personnel Handwash Test CliniShield vs. Leading Chloroxylenol Containing Antiseptic Handwash

Product	After Wash #1	After Wash #10
CliniShield Healthcare Personnel Handwash	Log ₁₀ 2.8655 (99.86%)	Log ₁₀ 3.1782 (99.93%)
Leading Antiseptic Handwash With Chloroxylenol	Log ₁₀ 2.40 (99.60%)	Log ₁₀ 2.31 (99.51%)

(1, 2)

¹ "Report For Efficacy Evaluation of a Liquid Health Care Personnel Handwash Product, Hilltop Research, Inc. Miami, OH. For Stockhausen, Inc.,"

² The CliniShield® product met the FDA performance criteria of a greater than 99% reduction of the bacteria after the 1st handwash and a greater than 99.9% reduction after the 10th handwash, whereas the chloroxylenol containing product failed to do so.



For more information, please contact your CliniShield® distributor or call 1-800-334-0242.
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