



Instant Hand Sanitizers



Foaming Soaps



Moisturizing Lotions

HAND HYGIENE PRODUCTS

from Medline

Good Hand Hygiene Makes Good Business Sense

The costs associated with nosocomial infections can be devastating to your facility. Illness can spread quickly among patients and staff, causing huge expenses due to treating patients and employees' sick days. In fact, hospital-acquired infections cost the average U.S. hospital over \$6 million per year, and they are the leading cause of death among long term care residents.^{1,2,3}

As you probably know, the key to preventing nosocomial infections is good hand hygiene. By educating your staff and providing them with hand hygiene products that are non-irritating and convenient to use, you can significantly reduce nosocomial infections and the associated costs.

Good Hand Hygiene Means a Safer Environment

According to the CDC, more than two million patients in the U.S. contract hospital-acquired infections each year, and about 90,000 of them will consequently die. You can decrease nosocomial infections by 40% through improved hand hygiene in your facility.⁴

Medline can help you develop an effective hand hygiene protocol, train your staff and assess compliance. The end result will be a safer and healthier environment for your patients and staff.

Good Hand Hygiene Requires Good Products

To implement a successful hand hygiene program, you need soaps, hand sanitizers and moisturizing lotions throughout your facility. Medline offers a complete array of convenient and easy to use hand hygiene products for your staff, patients and visitors.

By providing effective hand hygiene products and comprehensive training on proper usage techniques, your facility can be a safer and more profitable place. At Medline, we have the products and programs to help you establish a hand hygiene culture that leads to lower infection rates. Let's discuss a partnership toward better hand hygiene.



“Clean hands are the single most important factor in preventing the spread of dangerous germs and antibiotic resistance in healthcare settings.”

Dr. Julie Gerberding, Director of the CDC

Hand Hygiene Protocol

The CDC recommends that healthcare workers wash their hands with soap and water if their hands are visibly soiled, dirty or contaminated. Also wash hands before eating, after using a restroom and if exposure to *Bacillus anthracis* is suspected or proven.

If hands are not visibly soiled, workers should use an alcohol-based hand cleaner for routinely decontaminating hands.

Technique for Using Alcohol-Based Instant Hand Sanitizer

1. Put your hands together spreading the hand sanitizer onto fingertips, cuticles, nails and up to the wrists. Rub palms against each other.
2. Rub hand sanitizer into back of hand and into web spaces between fingers. Repeat procedure for other hand.
3. Rub palm to palm again, with fingers interlaced. Repeat procedure for other hand.
4. Rub upper part of your fingers against the palm of your hand.
5. Rub right thumb clasped in left palm, and vice versa.

Hand Washing Technique

1. Turn on water to a comfortable temperature to moisten hands and wrists.
2. Apply soap.
3. Generate heavy lather and wash well for approximately 15 seconds, paying particular attention to areas between fingers, around nail beds, under fingernails and backs of hands.
4. Rinse well under running water, keeping hands low in the sink to prevent splashing.
5. Hold hands so that water flows from wrist to fingertips.
6. Dry hands completely with a clean paper towel.
7. Use the paper towel to turn off the faucet so your hands remain clean from any contaminants that may be on the faucet.

Other Requirements

1. Keep nail tips (natural or artificial) less than 1/4" long.
2. Use a lotion or glove that moisturizes the skin to address or prevent the skin irritation that can result.

An effective hand hygiene program includes soap, hand sanitizer and moisturizing lotion. All Medline hand hygiene products meet CDC Guidelines.

Proper Hand Sanitizing Technique



Epi-Clenz™ Instant Hand Sanitizer

Epi-Clenz Instant Hand Sanitizer is an essential germ-killing aid to help your employees when soap and water are not readily available. Contains ethyl alcohol and moisturizers to clean hands as it kills 99.9% of the most common germs that cause disease. Contains Aloe Vera and Vitamin E to soothe the skin.

Item #	Description	Pkg
Alcohol Based Hand Sanitizers - Gel		
MSC097030	4 Oz.	24/cs
MSC097030H	4 Oz.	each
MSC097031	4 Oz., Breesia	24/cs
MSC097031H	4 Oz., Breesia	each
MSC097032	16 Oz. w/Pump	12/cs
MSC097033	16 Oz. w/Pump, Breesia	12/cs
MSC097034N	1.5 Oz. w/Flip Top Cap	48/cs
Alcohol Based Hand Sanitizers - Foam		
MSC097040	8 Oz.	24/cs
MSC097041	1.5 Oz.	48/cs
MSC097042	16 Oz.	12/cs
Epi-Clenz Accessories		
MSC097034CL	Retractable Clip For 1.5 Oz. Gel	25/cs
MSC097034L	Lanyard For 1.5 Oz. Gel	25/cs
MSC097036	Wall Bracket For 16 Oz. Gel	12/cs
MSC097045	Wall Holder For 8 Oz. Foam	24/cs
MSC097046	Wall Holder For 16 Oz. Foam	12/cs



Epi-Clenz Instant Hand Sanitizer Family



MSC097034N & MSC097034L

Medline Protection Plus® Instant Hand Sanitizer

Medline Protection Plus Instant Hand Sanitizer made by Dial with 62% ethyl alcohol is an excellent germ-fighting solution when workers are in the midst of a clean-up, but are not near soap and water. This product is registered by NSF, as acceptable for use as a handwashing sanitizing compound (EZ) for use in and around food processing areas.

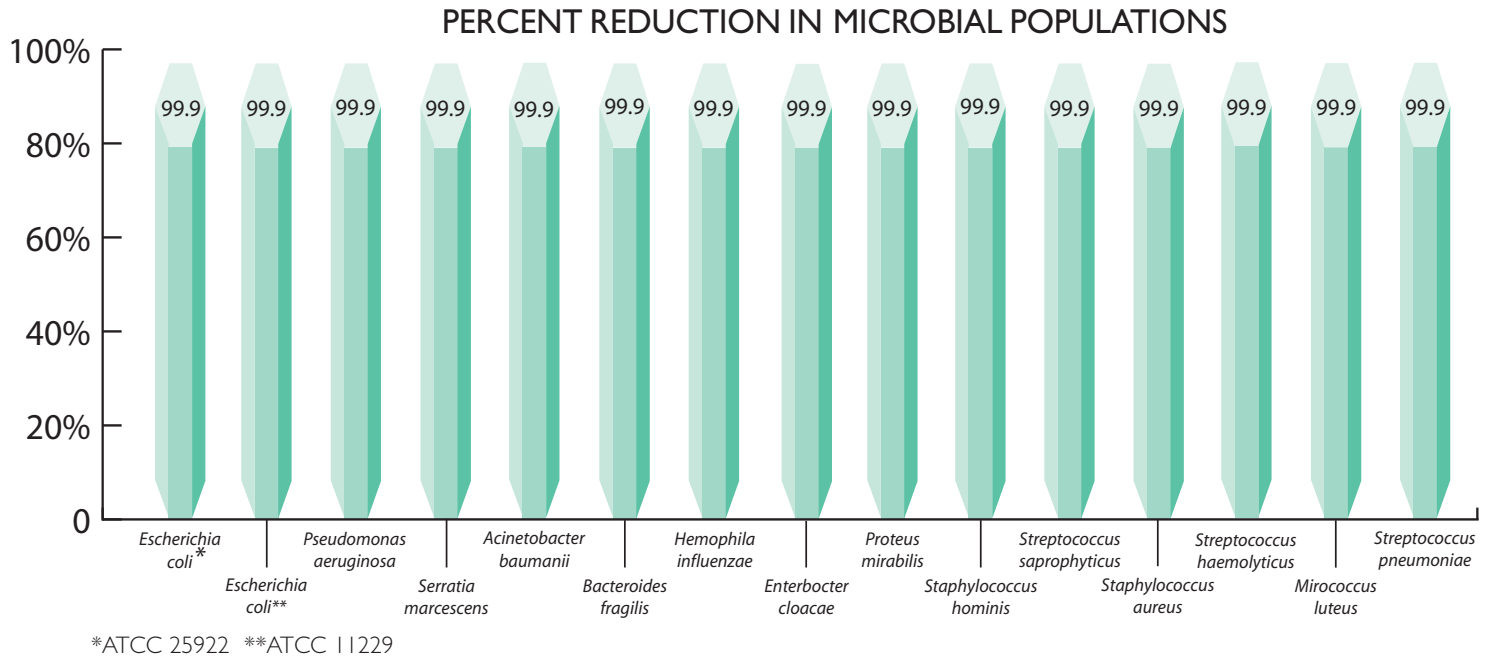
Item #	Description	Pkg
MSC098600	Protection Plus Hand Sanitizer, 800 ml	12/cs
S-N800DF	Dispenser For MSC098600	6/cs
KUT6667	Hand Sanitizer, Duraview, 2000 ml	4/cs
KUTDURA	Wall Bracket For Duraview System	each



S-N800DF

Epi-Clenz Foam Study

In an independent study conducted by Microbe Inotech Laboratories, Inc. using 60 second In-Vitro Time-Kill procedure to evaluate the antimicrobial efficacy of Epi-Clenz Foam, a 62% alcohol foam, the product was found to reduce microbial populations by more than 99.9% of all fifteen challenge microorganisms tested.



HandClens® Alcohol-Free Instant Hand Sanitizer

Kills 99.99% of Disease-Causing Germs

In response to the NFPA and other organizations' concerns over alcohol being a fire hazard, Medline is distributing an alcohol-free, non-flammable foam instant hand sanitizer. When following FDA standards, HandClens surpassed the minimum FDA standards for an antiseptic hand sanitizer.

Item #	Description	Pkg
WDW12017	Hand Clens 1.7 Oz.	24/cs
WDW13105	Hand Clens 5 Oz.	24/cs
WDW12018	Hand Clens 8 Oz.	24/cs
WDW12023	Hand Clens 1800 ml	6/cs
WDW40005	Wall Bracket WDW12023	each



WDW12023

EZ Foam[®] is the Easy Solution for Every Hand Soap Need!

EZ Foam system offers a clean contemporary dispenser with a unique push pad that dispenses .75 ml of rich foam per push vs. 1.5 ml per push for most bag-in-box systems. This will provide twice the number of hand washings per 1000 ml bag. In addition to the dynamic design we offer three different formulas ALL producing thick, rich foam. Luxury Hand Soap with a pleasant tropical scent which is perfect for general purpose applications, Foaming Hair & Body Shampoo with Aloe Vera fragrance and light conditioning and Antibacterial Hand Soap with Spring Citrus fragrance to kill a wide variety of germs.



Item #	Description	Pkg
KUT68041MED	Shampoo/Body Wash, 1000 ml	6/cs
KUT68041MEDT	Shampoo/Body Wash, 1000 ml, Starter Kit	each
KUT68017MED	Shampoo/Body Wash, 1.7 Oz.	24/cs
KUT68941MED	Antimicrobial Soap, 1000 ml	6/cs
KUT68941MEDT	Antimicrobial Soap, 1000 ml, Starter Kit	each
KUT68917MED	Antimicrobial Soap, 1.7 Oz.	24/cs
KUT69041MED	Hand Soap, 1000 ml	6/cs
KUT69041MEDT	Hand Soap, 1000 ml, Starter Kit	each
KUT69017MED	Hand Soap, 1.7 Oz.	24/cs
KUT68241MED	Hand Sanitizer, Non-Flammable, 1 L	6/cs
KUT9941BLK	Dispenser, Black	each
KUT9941GRA	Dispenser, Dove/Gray	each

Clean Shape is the First Complete Line of Commercial Skin Care Products Designed to Enhance Your Image.

Beautiful and practical, Clean Shape combines the convenience and hygiene of disposable containers with the style of premium fixtures. For added security a wall bracket is available. The bracket is small, durable and easy to install. Clean Shape includes a full line of luxurious Hand Soaps and Skin care products, enhanced with moisturizing Aloe Vera and nourishing Vitamin E. Use in any area, from restrooms to food preparation and serving areas.



KUT69078, KUT68978

Item #	Description	Pkg
KUT65036	Antibacterial Soap, 1 L, w/Pump	8/cs
KUT68978	Antibacterial Foaming Soap, 950 ml	4/cs
KUT69078	Foaming Hand Soap, 950 ml	4/cs
KUT950WB	Wall Bracket For 950 ml Foaming Soap	each

Medline's Protection Plus[®] Antimicrobial Soap

Dermatologist Tested and Provides Protection from Gram-Positive and Gram-Negative Bacteria

Professionals in every area of your facility (even high-risk areas) will benefit from using Medline's Protection Plus Antimicrobial Soap. Made by Dial, this gentle hypoallergenic formulation with 0.2% triclosan helps protect your workers from a variety of bacteria, yeast, and mold. The rich lathering clear soap rinses quickly and is ideal for repeated use.

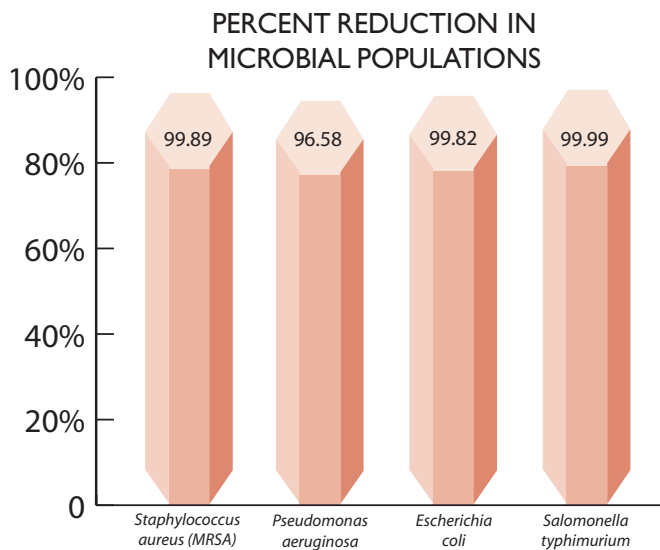


Item #	Description	Pkg
MSC098200	800 ml	12/cs
MSC098203	1000 ml	12/cs
MSC098204	4 Oz.	24/cs
MSC098204H	4 Oz.	each
MSC098205	Gallon	4/cs
MSC098212	7.5 Oz. w/Pump	12/cs
MSC098214	16 Oz. w/Pump	12/cs
MSC098201	Antimicrobial Lotion Soap, 800 ml	12/cs

Please ask your medline representative for information on bag systems that will fit your current dispenser.

TIME KILL TEST

Medline Protection Plus Antimicrobial Soap is highly effective in reducing bacteria in 15-second time-kill testing.



BROAD SPECTRUM ANTIMICROBIAL EFFECTIVENESS

In an independent study, Medline Protection Plus Antimicrobial Soap was effective against ten different types of Gram-positive bacteria, eleven types of Gram-negative bacteria and seven types of yeast and mold.

Gram-positive bacteria	MIC Value (ppm)
<i>Enterococcus faecalis</i>	781
<i>Enterococcus faecalis</i> (MDR)	>10,000
<i>Enterococcus faecium</i>	>10,000
<i>Staphylococcus aureus</i>	0.1
<i>Staphylococcus aureus</i> (MRSA)	0.1
<i>Staphylococcus epidermidis</i>	0.1
<i>Staphylococcus haemolyticus</i>	0.2
<i>Staphylococcus hominis</i>	6.1
<i>Staphylococcus saprophyticus</i>	0.3
<i>Streptococcus pyogenes</i> Group A	195
Gram-negative bacteria	MIC Value (ppm)
<i>Acinetobacter baumannii</i>	97.6
<i>Acinetobacter lwoffii</i>	0.1
<i>Burkholderia cepacia</i>	>10,000
<i>Enterobacter aerogenes</i>	48.8
<i>Enterobacter cloacae</i>	48.8
<i>Escherichia coli</i> (2)	24.4 - 781
<i>Klebsiella oxytoca</i>	97.6
<i>Klebsiella pneumoniae</i>	48.8
<i>Proteus mirabilis</i>	781
<i>Pseudomonas aeruginosa</i>	>10,000
<i>Serratia marcescens</i>	>10,000
Yeast & Mold	MIC Value (ppm)
<i>Aspergillus fumigatus</i>	50
<i>Aspergillus niger</i>	250
<i>Candida albicans</i> (2)	75
<i>Epidermophyton floccosum</i>	125
<i>Trichophyton ajeloi</i>	75
<i>Trichophyton mentagrophytes</i>	50
<i>Trichophyton rubrum</i>	75

Medline Protection Plus® Enriched Lotion Soap

Provides Moisture to Frequently Washed Hands

Medline's Protection Plus Enriched Lotion Soap, made by Dial, is the perfect solution for conscientious health care professionals who frequently wash their hands. Its gentle formula and soothing fragrance nurture both the skin and the senses wherever it is used within a facility. It's pH-balanced to help maintain proper skin and moisture ratio.

Item #	Description	Pkg
MSC098100	800 ml	12/cs
MSC098103	1000 ml	12/cs
MSC098104	4 Oz.	24/cs
MSC098105	Gallon	4/cs
MSC098112	7.5 Oz. w/Pump	12/cs
MSC098114	16 Oz. w/Pump	12/cs



Protection Plus Enriched Lotion Soap Family

Medline's Protection Plus® Shampoo and Body Wash

Provides Your Patients with a Full-Body Hypoallergenic Cleansing Aid

Medline in conjunction with Dial, has created a gentle, pH-balanced body wash/shampoo whose dual function equals savings for you. The fresh peach scent and rich lather of Medline's Protection Plus Body and Hair Shampoo can help your patients, both male and female, relax each day as it conditions dry, irritated skin.

Item #	Description	Pkg
MSC098300	800 ml	12/cs
MSC098303	1000 ml	12/cs
MSC098305	Gallon	4/cs
MSC098312	7.5 Oz. w/Pump	12/cs
MSC098314	16 Oz. w/Pump	12/cs
S-N800DF	Dispenser For 800 ml/1000 ml, White	6/cs
S-NBLACK	Dispenser For 800 ml/1000 ml, Black	6/cs



Protection Plus Shampoo and Body Wash Family

New Duraview Soap Dispensing System

Easy on the Eye and Your Budget

This convenient system is economical as well as attractive. It's graduated, so you can control the dispensing rate, plus larger sizes mean less refilling. Once cartridge is empty, the entire upper unit is replaced, providing a fresh new look for your facility. Available as an antimicrobial soap, skin cleanser, shampoo and body wash, hand sanitizer and moisturizing lotion.



Item #	Description	Pkg
KUT5067	Liquid Antimicrobial Soap, 2000 ml	4/cs
KUT5667	Skin Cleanser Liquid Soap, 2000 ml	4/cs
KUT5668	Skin Cleanser Liquid Soap, 4500 ml	2/cs
KUT7567	Shampoo/Body Wash, 2000 ml	4/cs
KUT7568	Shampoo/Body Wash, 4500 ml	2/cs
KUT8167	Enriched Lotion Soap, 2000 ml	4/cs
KUT6667	Instant Hand Sanitizer, 2000 ml	4/cs
KUTDURA	Wall Bracket For Duraview System	each

Proper Handwashing Learning Tool

Glo Germ® stands out as an effective way to demonstrate to your staff how easy it is to overlook proper handwashing and surface cleaning. Glo Germ is a product that helps you teach handwashing, isolation techniques, aseptic techniques and general infection control.

Item #	Description	Pkg
GGE1002	Glo-Germ Kit Uv Light, Gel & Powder	each
GGEGEL	Gel-Lotion For Glo-Germ Kit, 8 Fl Oz Btl	each
GGEPOWDER	Powder For Glo-Germ Kit, 4 Fl Oz. Bottle	each

Surgical Hand Antisepsis

Antiseptic preparations can be used for: 1) Surgical hand scrub: significantly reduces the number of microorganisms on the hands and forearms prior to surgery or patient care. 2) Healthcare personnel handwash: helps reduce bacteria that can potentially cause disease. 3) Patient preoperative skin preparation: preparation of the patient's skin prior to surgery. 4) Skin wound and general skin cleansing.



Surgical Hand Antisepsis Family

Item #	Description	Pkg
MDS098705	2% CHG Liquid, 4 Oz. Bottle	48/cs
MDS098710	4% CHG Liquid, 4 Oz. Bottle	48/cs
MDS098715	4% CHG Liquid, 16 Oz. Bottle	12/cs
MDS098716	2% CHG Liquid, 16 Oz. Bottle	12/cs
MDS098718	2% CHG Liquid, 16 Oz Clear Bottle	12/cs
MDS098720	2% CHG Liquid, 32 Oz. Bottle	12/cs
MDS098721	2% CHG Liquid, 32 Oz. Bottle w/Pump	12/cs
MDS098725	4% CHG Liquid, 32 Oz.	12/cs
MDS098730	4% CHG Liquid, 128 Oz.	4/cs
MDS16WMHP	Wall Mount Hand Pump, For 16 Oz.	each
MDS32WMHP	Wall Mount Hand Pump, For 32 Oz.	each
MSC32FPWM	Foot Pump Dispenser For 32 Oz. CHG Liquid	each

Medline Protection Plus® Lotion

CHG and Latex Friendly

As a result of constant washing, a health care professional's skin can become dry, rough, and irritated. The non-greasy, fragrance-free formula of Medline Protection Plus Lotion nurtures and soothes the skin with colloidal Oatmeal, Aloe Vera, and Vitamin E. It also has dimethicone and allantoin to help retain moisture on skin. Tested to be CHG and latex friendly.

Item #	Description	Pkg
MSC098502	2 Oz.	36/cs
MSC098504	4 Oz.	36/cs
MSC098508	8 Oz. w/Pump	36/cs
MSC098510	1000 ml Bottle	8/cs
MSC098500	800 ml Bag	12/cs
MSC098534CS	1000 ml Bag	10/cs
9950MED	Dispenser For MSC098500, Fits 800/1000 ml Bags, White	12/cs



Protection Plus Lotion Family

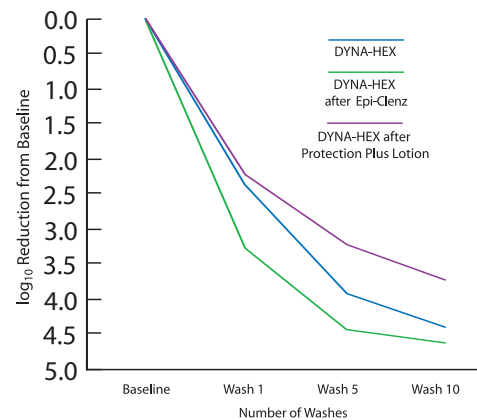
LATEX COMPATIBILITY STUDY

In a study conducted by Gaynes Laboratories Inc., latex gloves treated with Medline Protection Plus Moisturizing Lotion were compared to untreated latex gloves. Testing determined that latex gloves maintain their tensile strength and elongation properties even after the use of Medline Protection Plus Moisturizing Lotion. Furthermore, the gloves did not demonstrate any leakage due to lotion use.

	Tensile Strength at Breaking	Elongation at Breaking	Leakage
Latex Glove Control Group	2,531.2 PSI	802.7%	No Leakage
Latex Glove treated w/Medline Protection Plus Moisturizing Lotion	2,557.7 PSI	780.2%	No Leakage

CHG COMPATIBILITY STUDY

Testing conducted by Bioscience labs, to determine the antimicrobial compatibility among Protection Plus lotion, Epi-clenz hand sanitizer and CHG products (Dyna-hex®). The results showed that Protection Plus Lotion and Epi-clenz won't interfere with the antimicrobial efficacy of Dyna-hex (CHG). Dyna-hex even improved its antimicrobial performance when combined with Epi-clenz hand sanitizer.



Footnotes:

- (1) – Stone, Patricia; Larson, Elaine; Kavar, Lina. "A systematic audit of economic evidence linking nosocomial infections and infection control interventions: 1990-2000," American Journal of Infection Control, May 2002. Volume 30, Page 145-152
- (2) – Centers for Disease Control Morbidity and Mortality Weekly Report; "Monitoring Hospital-Acquired Infections to Promote Patient Safety—United States 1990-1999." Volume 49; March 3, 2000. Page150-152.
- (3) – Albrecht H, Shearen C, Degalau J, and Guay DRP. Team Approach to Infection Prevention and Control in the Nursing Home Setting. AJIC, February.
- (4) – Pittet, Didier; Hugonnet, Stephan; Harbarth, Stephan; Mourouga, Philippe; Sauvan, et. al; "Effectiveness of a hospital-wide programme to improve compliance with hand hygiene;" The Lancet; Volume 356, October 14, 2000. Page 1307-1311.

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