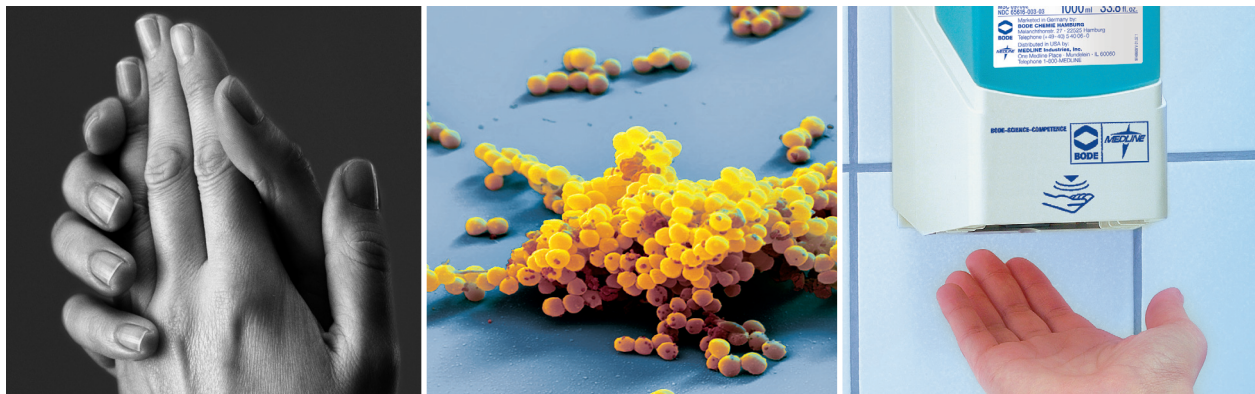


Sterillium® Comfort Gel™

Healthcare Personnel Hand Antiseptic



Increase efficacy. Enhance skin moisture. Improve compliance.

Sterillium Comfort Gel

Efficacy. Comfort. Compliance.

Sterillium Comfort Gel is a scientifically proven, moisturizing, easy-to-use gel. Sterillium Comfort Gel not only meets all test and key use criteria – it far exceeds them. Read on to see how you can improve hand hygiene in your facility!

- Kills ≥ 99.999 percent¹ of a broad range of nosocomial pathogens within 15 seconds, without water
- Non-irritating*
- Moisturizing*
- Cost effective: 2.4 mL / application*
- Latex and non-latex glove compatible*
- CHG compatible*

Efficacy

In Vitro Time Kill Study

| Most important nosocomial pathogens | Reduction in 15 seconds | |
|--|--------------------------------|----------|
| | Log ₁₀ [*] | % |
| <i>Candida albicans</i> , ATCC 10231 | 5.88 | 99.99987 |
| <i>Clostridium difficile</i> , ATCC 9689 ² | 5.34 | 99.99954 |
| <i>Enterococcus faecalis</i> , ATCC 29212 | 7.06 | 99.99999 |
| <i>Enterococcus faecalis</i> , VRE, Clinical isolate 02013 | 7.15 | 99.99999 |
| <i>Escherichia coli</i> , ATCC 11229 | 6.68 | 99.99998 |
| <i>Haemophilus influenzae</i> , ATCC 19418 | 5.86 | 99.99986 |
| <i>Klebsiella pneumoniae</i> , ATCC 11296 | 6.58 | 99.99997 |
| <i>Proteus mirabilis</i> , ATCC 7002 | 6.78 | 99.99998 |
| <i>Pseudomonas aeruginosa</i> , ATCC 15442 | 6.56 | 99.99997 |
| <i>Salmonella enteritidis</i> , ATCC 13076 | 6.79 | 99.99998 |
| <i>Serratia marcescens</i> , ATCC 14756 | 6.87 | 99.99999 |
| <i>Staphylococcus aureus</i> , ATCC 6538 | 6.29 | 99.99995 |
| <i>Staphylococcus aureus</i> MRSA, ATCC 33591 | 6.60 | 99.99997 |
| <i>Staphylococcus epidermidis</i> VISE, Clinical isolate 99289 | 6.70 | 99.99998 |
| <i>Streptococcus pneumoniae</i> , ATCC 6304 | 5.34 | 99.99994 |
| <i>Streptococcus pyogenes</i> , ATCC 19615 | 6.14 | 99.99993 |

Table 1: Test method follows FDA TFM for Health-Care Antiseptic Drug Products (13). Sterillium Comfort Gel achieves ≥ 5 log₁₀ (≥ 99.999 percent¹) reduction of all these and 55 other tested germs within 15 seconds (1).

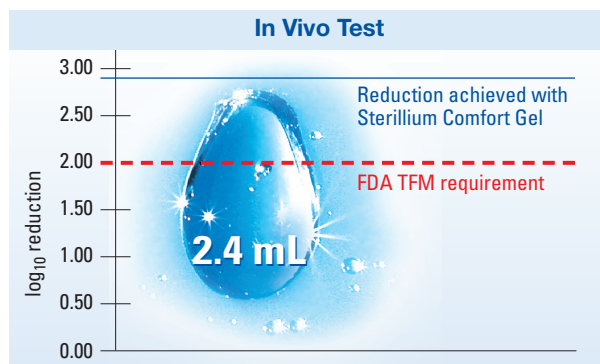


Figure 1: Test method follows FDA TFM for Health-Care Antiseptic Drug Products (13) and compliant with ASTM E1174, Standard Test Method for Evaluation of Healthcare Personnel Handwash Formulations. In vivo testing shows, use of only 2.4 mL of Sterillium Comfort Gel exceeds the FDA TFM efficacy requirements (2).

Comfort

Alcohol-based healthcare personnel hand antiseptics are intended for frequent, repeated use. Therefore, dermal tolerance is critical: In Human Repeat Insult Patch skin testing with 213 test persons, Sterillium Comfort Gel did not demonstrate any potential for eliciting dermal irritation or sensitization at all points in time (3).

Sterillium Comfort Gel increases skin moisture content when used frequently (4).

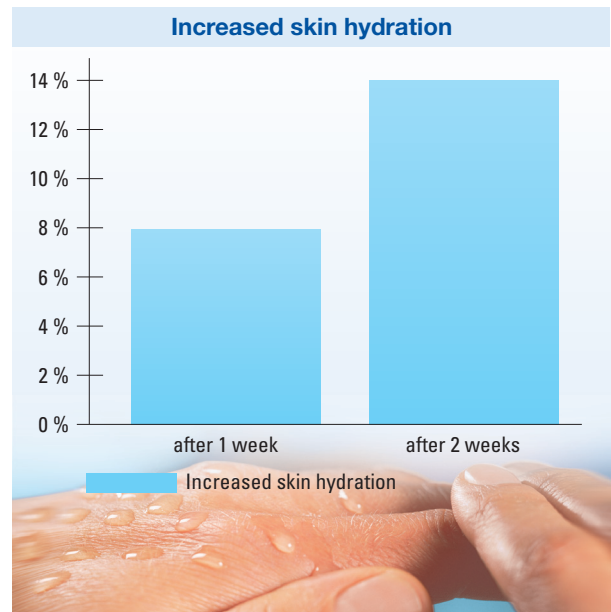


Figure 2: Sterillium Comfort Gel significantly increases skin hydration after only one week of product usage compared to untreated skin (4).

Compliance

In the United States, one of every 136 patients becomes severely ill as a result of hospital-acquired infections (HAI), leading to about 80,000 deaths per year (5). Better hand hygiene compliance could reduce the potential for infection. Compliance is intrinsically tied to product acceptance. In other words, **comfort drives compliance**. With Sterillium Comfort Gel, you have a product that can help overcome potential barriers to compliance.

* data on file
¹ under laboratory conditions and when used as directed
² vegetative form



Published data

Time Kill Studies (Log₁₀ Reduction in 15 seconds)

| | | | | | | | | |
|---------------------------------|-----------------------------------|-------------------------|------------------------------|-------------------------------|---------------------------|-----------------------------------|-----------------------------------|-------------------------------|
| | <i>Enterococcus faecalis</i> VIRE | <i>Escherichia coli</i> | <i>Klebsiella pneumoniae</i> | <i>Pseudomonas aeruginosa</i> | <i>Senecalia maritima</i> | <i>Staphylococcus aureus</i> MRSA | <i>Staphylococcus epidermidis</i> | <i>Streptococcus pyogenes</i> |
| Sterillium® Comfort Gel™ | 7.15 | 6.68 | 6.58 | 6.56 | 6.87 | 6.60 | 6.70 | 6.14 |

Activity of Sterillium Comfort Gel against 8 microorganisms (1).

| | | | | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Purell® Instant Hand Sanitizer | > 5 | > 5 | > 5 | > 5 | > 5 | > 5 | > 5 | > 5 |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|

Activity of Purell Instant Hand Sanitizer against 8 microorganisms, as published by GOJO Industries, Inc. (6).

| | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|-----|
| Prevacare® | 6 | 6 | 6 | 6 | 6 | 6 | 6 | > 5 |
|-------------------|---|---|---|---|---|---|---|-----|

Activity of Prevacare against 8 microorganisms, as published by Johnson & Johnson Co. (7).

| | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 3M™ Avagard™ D | > 3 | > 3 | > 3 | > 3 | > 3 | 2.7 | > 3 | 1.7 |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|

Activity of 3M Avagard D against 8 microorganisms, as published by 3M Healthcare. (8).

Trading economy for efficacy

Directions for the competitors' preparations we tested state to apply enough product to thoroughly cover the hands (9,10,11), but they do not mention a specific volume. Our test showed that 2.4 mL is sufficient to entirely cover the hands and nails, and this applies to three competitor's products as well. However, at this 2.4 mL test volume, Prevacare and 3M Avagard D failed to meet the FDA TFM efficacy requirement. Although less effective than Sterillium Comfort Gel, Purell Instant Hand Sanitizer achieved the required 2 log₁₀ reduction with 2.4 mL.

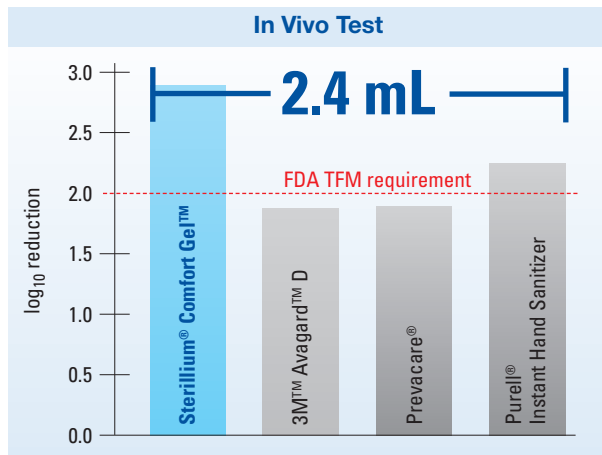


Figure 3: Test method follows FDA TFM for Health-Care Antiseptic Drug Products (13) and compliant with ASTM E1174, Standard Test Method for Evaluation of Healthcare Personnel Handwash Formulations. Sterillium Comfort Gel in comparison to three other alcohol-based hand sanitizers available on the market (12).

Based on the independent testing data, the application amounts of Purell Instant Hand Sanitizer, Prevacare and 3M Avagard D have to be increased in order to achieve a significantly higher efficacy.

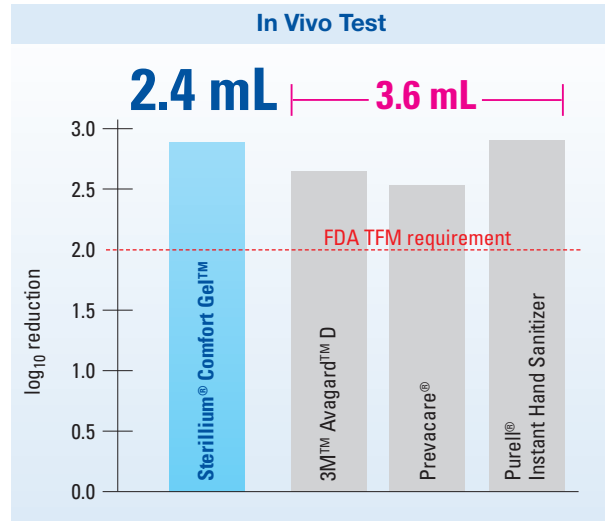


Figure 4: The competitors' preparations need an amount of 3.6 mL in order to reach the excellent efficacy Sterillium Comfort Gel already achieves with 2.4 mL! (12)

With these results, Sterillium Comfort Gel delivers great value!

Ingredients

Sterillium Comfort Gel's active ingredient is Ethyl Alcohol, 85 percent (w/w), formulated with a well balanced blend of emollients leveraging the skin care technology of Nivea® and Eucerin®.

Performance

- Meets FDA Tentative Final Monograph¹³, CDC Guideline for Hand Hygiene in Health-Care Settings¹⁴ and WHO Practical Guideline¹⁵.
- Compliant with NFPA (16) fire safety standards
- Range includes ADA-compliant (17) dispensers, pocket bottles, and tabletop pump bottles
- Latex and non-latex compatible
- CHG compatible*



Sterillium Comfort Gel

Sterillium Comfort Gel Application Instructions



Apply 2.4 mL of Sterillium Comfort Gel to hands, one pump per hand.
Thoroughly cover entire surface, including fingertips and nails. Rub hands until dry.

Ordering Information

| Item Number | Description | Qty / Case |
|-------------------------------|------------------------------------|------------|
| Sterillium Comfort Gel | | |
| MSC097062 | 1000 mL for LX10 Dispensing System | 8 |
| MSC097063 | 475 mL Tabletop Pump Bottle | 20 |
| MSC097064 | 100 mL Flip Top Personal Bottle | 45 |

Dispensing Systems

| | | |
|---------------|---|----|
| LXT10AUTO | MSC097062 Touchless Automatic Dispenser | 1 |
| LX10PUSH | MSC097062 Push Dispenser | 1 |
| STRLMDRIPTRAY | Optional Drip tray for Push Dispenser | 12 |
| MSC097063BK | MSC097063 Wall / Tabletop Bracket | 16 |
| MSC097063BKH | MSC097063 Wall / Tabletop Bracket | 2 |



Sterillium brand – U.S. Product Range

Sterillium Rub

- Surgical Hand Antiseptic
- Visit the www.medline.com/sterilliumrub to learn more

Sterillium Comfort Gel

- Healthcare Personnel Hand Antiseptic
- Visit www.medline.com/sterilliumcomfortgel

For more information and support, contact your MEDLINE representative or call 1-800-MEDLINE.

BODE CHEMIE HAMBURG · Germany

Melanchthonstr. 27 · 22525 Hamburg
Tel. (+49-40) 5 40 06-0 · Fax -200
www.bode-chemie.com · info@bode-chemie.de

Distributed by:

MEDLINE Industries, Inc

One Medline Place
Mundelein, Illinois 60060
1-800-MEDLINE (633-5463)
www.medline.com

References

- (1) Independent TFM In Vitro Time Kill Study. Data on file
- (2) Independent TFM In Vivo Study. Data on file
- (3) Independent Human Repeat Insult Patch Test. Data on file
- (4) Independent Skin Care Study / Skin Hydration. Data on file
- (5) Pittet D, Donaldson L: Clean Care is Safer Care: a worldwide priority. *Lancet* 2006; 366(9493): 1246-1247
- (6) GOJO Industries, Inc.; Technical Guide, Technical Information and Efficacy Data on PROVON® and PURELL®, 2001, LIT-PRV-TIB (11/01)
- (7) Advanced Sterilization Products® a Johnson + Johnson company; PREVACARE® Antimicrobial Hand Gel, Technical report. 2005, AD-53277-001 Rev. B
- (8) 3M Health Care; Technical Information Bulletin, 3M™ Avagard™ D Instant Hand Antiseptic for Healthcare Personnel Use. 2000, 70-2009-3003-3 WG
- (9) 3M™ Avagard™ D Instant Hand Antiseptic Application Instructions. 2003, 0-2009-3001-7 (431)ii
- (10) PREVACARE® Antimicrobial Hand Gel For Healthcare Personnel Handwash– Directions. PC-0417-01
- (11) Hand Hygiene Regimen, GOJO Industries, Inc. 2003, LIT-HCE-HHR (09-05)
- (12) Independent lab testing done on all products, April 13 2007
- (13) Federal Register Part III, Tentative Final Monograph for Health-Care Antiseptic Drug Products; Proposed Rule. Vol 59, No. 116 (June 17, 1994).
- (14) Centers for Disease Control and Prevention. Guideline for Hand Hygiene in Health-Care Settings: Recommendations of the Healthcare Infection Control Practices Advisory Committee and the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force. *MMWR* 2002;51 (No. RR-16)
- (15) World Health Organization. WHO Guidelines on Hand Hygiene in Health Care (Advanced Draft). WHO World Alliance for Patient Safety- Practice Guidelines. 15 January 2006.
- (16) Health Facilities Management. Codes+ Standards: What's New in the LSC? A look at the 2006 NFPA/ Life Safety Code. February 2006.
- (17) 28 CFR Part 36 (excerpt). ADA Standards for Accessible Design. Revised as of July 1, 1994.

Purell is a registered trademark of Warner-Lambert Company
Prevacare is a registered trademark of Johnson & Johnson Corp.
3M and Avagard are registered trademarks of 3M Company.