

SilvaClean®

Antimicrobial Laundry Technology



**Fight
pathogens
with every
fiber.**

Residual, post-laundry protection.

in partnership with
 **Applied
Silver**

Wash in active pathogen-fighting power.

Whether your facility's laundry is done on site or by an off-site provider, strict protocols are followed to ensure your linens are not only clean, but hygienic as well. Once those linens leave the laundry, however, they encounter a minimum of six touchpoints before reaching your patients—that's six opportunities for your linens to be contaminated by pathogens.¹



The EPA recognizes textiles as fomites.

Fomite fact

Fomites are materials that may be contaminated with, and transmit, infectious organisms.

6 touchpoints between washing and patient use¹

1 in 25 hospitalized patients in the U.S. are affected by HAIs each year.²

up to \$45B spent annually on HAIs by hospitals³

Easy, residual protection.

EPA approved **SilvaClean** is a laundry additive that infuses your linens with the antimicrobial power of silver, right in the rinse cycle. SilvaClean holds the first ever public health claim for a residual laundry additive to reduce post laundry contamination.

It's easy to implement:

- no changes in hospital processes
- no new linens to purchase, and
- no staff education is needed



EPA-approved claim

Kills 99.9% of seven major micro-organisms.⁴



Antimicrobial

Inhibits growth of bacteria, mold and mildew.

SilvaClean kills 99.9% of these organisms on textiles.⁴

Micro-organism	Contact time
Effective on cotton, cotton/polyester blend and microfiber	
<i>Staphylococcus aureus</i>	6 hours
<i>Klebsiella pneumoniae</i>	3 hours
Effective on cotton or cotton/polyester blend	
Vancomycin-resistant <i>Enterococcus faecalis</i> (VRE)	3 hours
Extended-spectrum beta-lactamase (ESBL) positive <i>Escherichia coli</i>	3 hours
<i>Acinetobacter baumannii</i>	3 hours
<i>Candida albicans</i> (yeast)	6 hours
Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA)	9 hours

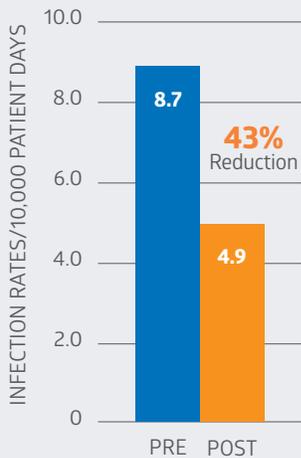
Activity starts on contact

Hospital surveillance research: 43% reduction in HAIs.²

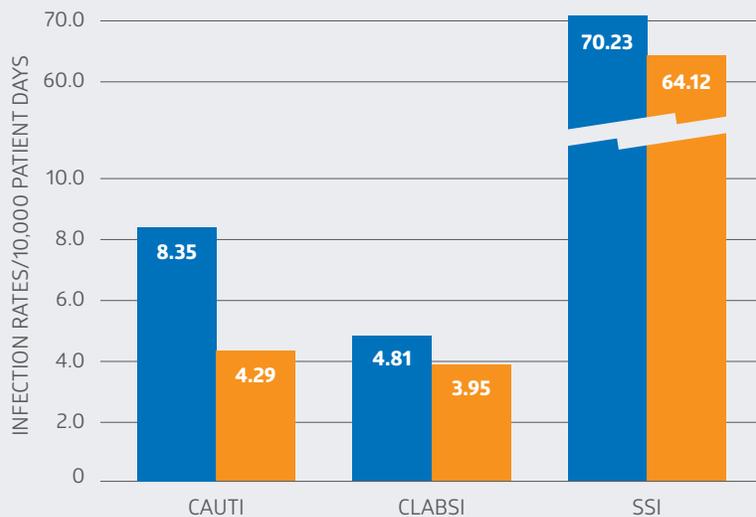
SilvaClean may be a helpful addition to an infection control program.[†] In surveillance research at three hospitals where SilvaClean was part of a comprehensive infection prevention program, overall hospital-acquired infection rates declined by 43% after the program was implemented.

- A **43% reduction in HAI rates** was observed when all data from 3 hospitals were compared pre- and post-treatment/10,000 patient days
- Results are **clinically relevant** as demonstrated by the overall reduction in HAI rates

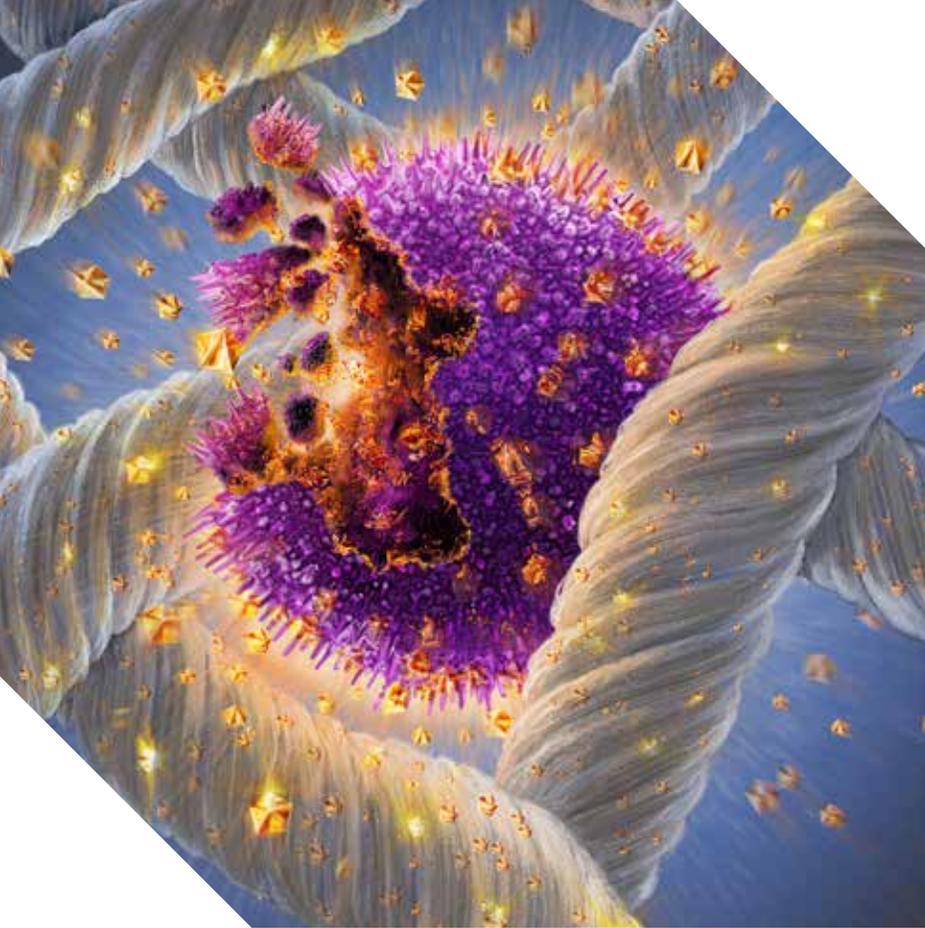
Overall HAI rate impact.
Pre-treatment (12 quarters) and post-treatment (6 quarters) for all 3 hospitals and infection types.²



Downward trends for each HAI infection type.*
■ Pre-treatment (12 quarters) and ■ Post-treatment (6 quarters) impact across all 3 hospitals.



*SilvaClean's precise contribution to each HAI decline requires further study.



The science behind silver ion technology.

1. Silver ions bind to the cell wall of the microbe, causing it to rupture.
2. Once inside the cell, the ions attach to metabolic enzymes suffocating the cell.
3. The ions then bind to the DNA strands to stop the replication process in its tracks.

Ordering Information

Item No.	Description	Pkg.
MDTSILVACLEAN	Standard Silvaclean Solution Canister	1/ea

Arm your linens to fight pathogens with Silvaclean.
Contact your Medline Representative or call 1-800-MEDLINE.

Silvaclean is just one more way
we help you reduce HAIs.



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*Silvaclean is not a substitute for any existing component of a diligent Infection Control program. Practitioners should continue to implement fully all infection control measures.

REFERENCES: **1.** Cohen B, Hyman S, Rosenberg L, Larson E. Frequency of Patient Contact with Health Care Personnel and Visitors: Implications for Infection Prevention. Joint Commission journal on quality and patient safety / Joint Commission Resources. 2012;38(12):560-565. **2.** Magill SS, Edwards JR, Bamberg W, et al. Multistate Point-Prevalence Survey of Health Care-Associated Infections. New England Journal of Medicine 2014; 370:1198-208. **3.** The Direct Medical Costs of Healthcare-Associated Infections in U.S. Hospitals and the Benefits of Prevention. Centers for Disease Control and Prevention: https://www.cdc.gov/hai/pdfs/hai/scott_costpaper.pdf **4.** Environmental Protection Agency approved Silvaclean product label. Available at: https://www3.epa.gov/pesticides/chem_search/ppls/090335-00001-20190308.pdf. Accessed May 3, 2019.

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