

Optimum-UV Enlight™

Combining Powerful UV Technology with Smart Data Reporting



GO ABOVE & BEYOND

WITH UV TECHNOLOGY

Manual surface disinfection is crucial, yet may not be sufficient to eliminate environmental pathogens that cause HAIs.

Only about 50% of surfaces in operating or patient rooms are effectively disinfected.¹ Pathogens like *C. difficile* spores and MRSA can survive on surfaces for several months, and are often found outside isolation rooms.²

UV provides more comprehensive surface disinfection — for an additional layer of assurance.

Combining UV technology with manual surface disinfection is extremely effective. It ensures thorough surface coverage, reaching areas missed during manual cleaning. It reduces the microbial burden on surfaces vs. manual surface disinfection alone. It protects your staff and patients against deadly pathogens and improves patient outcomes.



Step 1:

Complete Standard
Manual Cleaning
and Disinfection



Step 2:

Supplement with
UV Technology

For more information, contact your Clorox Healthcare sales representative or call 800-234-7700 email: uv@clorox.com visit us: www.cloroxhealthcare.com

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Clorox Healthcare® offers a unique and comprehensive portfolio of trusted manual disinfectants and UV technology.

MANUAL DISINFECTANTS

A wide range of ready-to-use, fast acting, effective products with broad surface compatibility and superior wetness times.



Clorox Healthcare® Bleach Germicidal Products kill a wide variety of bacteria and viruses, including MRSA and Norovirus, in 30 seconds to 1 minute, and *C. difficile* spores in just 3 minutes.



Clorox Healthcare® Hydrogen Peroxide Products are hard- and soft-surface solutions, proven to kill 42 microorganisms, including 13 antibiotic-resistant organisms, in as little as 30 seconds.

UV TECHNOLOGY

Clorox Healthcare® has partnered with UVDI®, a leader in ultraviolet technology with over 60 years of experience, to develop the Optimum-UV Enlight™ System.



Proven Efficacy of the Optimum-UV Enlight™ System

Maximum output lamps, emitting UV-C light within the ideal wavelength range for inactivating microorganisms, and a reflective aluminum mast that augments intensity output, enable the Optimum-UV Enlight™ System to generate a high level of efficacy in short cycle times.

Performance validated via 3rd-party laboratory micro-efficacy testing

KILLS more than **30** HAI-causing pathogens in **5 minutes at 8 feet.**

Including:

- ▶ 4-log reduction of *C. difficile* spores
- ▶ Greater than 5-log reduction of over 20 pathogens, including MRSA, VRE, and CRE.³



Shown in clinical studies to effectively reduce microorganisms



A Clinical study of Optimum-UV treatment of Formica® surfaces in a standard hospital room demonstrated greater than 99.9% (>3 log) reduction of MRSA within 5 minutes and greater than 99% (>2 log) reduction of *C. difficile* spores within 10 minutes⁴



The Optimum-UV™ System effectively inactivated *C. difficile* spores, MS-2 virus, and MRSA on long-term care fomites when combined with Clorox Healthcare Hydrogen Peroxide⁵



The Optimum-UV™ System reduced *Pseudomonas aeruginosa* infection incidence in a neonatal intensive care unit⁷



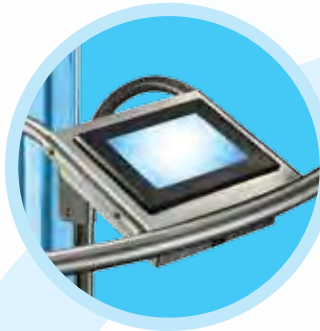
A simple test demonstrated effective microbial load reduction by the Optimum-UV™ System in an acute care setting when tested on vertical, horizontal, and chemical sensitive surfaces⁶

Optimum-UV Enlight™ System Features

Optimum UV Enlight™ has upgradable smart data capabilities that tell you where, when and how the system is working. So you can be assured you're maximizing your UV investment, getting the efficacy your facility is counting on and protecting your patients and staff.

\$ Competitive pricing enables broad adoption

- Premium advanced smart data features offered at an optimal price
- More affordable than many other UV systems — facilitating purchase of ideal number of devices for greater facility coverage
- Implementing UV technology may be cost-effective when compared with the direct and indirect costs of life-threatening HAIs, which can be up to \$45,000 (CLABSI)⁸



Enhanced User Interface

- Enables users to manage rooms, locations, and operators for reporting analytics
- Large, easy-to-user color touchscreen, providing greater access to information
- Enhanced data storage



Mobile Device App (iOS/Android)

- Allows for remote cycle status and operation
- Uses bluetooth technology to automatically transfer usage data to app
- Uses cellular/wifi to upload data to cloud-based reporting



Advanced Cloud Reporting & Analytics

- Rooms & locations treated, enabling users to monitor device usage
- Diagnostic data with automated alerts (e.g. broken lamp)
- Automated reporting accessible in real time to registered users



Optimum-UV Enlight™ offers an optimal balance of user-friendly design, safety, and affordability, to encourage facility-wide use of UV technology.

User-friendly design simplifies device operation

- Optimal height and width for hospital-room entrances
- Lightweight for effortless movement
- Quiet cycle operation with no lamp flashing

Safety features protect users and ensure proper cycle completion

- Polymer-encapsulated UV lamps for maximum safety
- Extensively tested lamps ensure reliable lifecycle performance
- Four infrared motions sensors to prevent operation if people are present
- Hard case accessory protects bulbs in transit and storage, and detaches into halves to be used as free-standing door signs



When you purchase the Optimum-UV Enlight™ System, you get Clorox Healthcare® as a full partner. We'll help your facility implement UV technology by providing ongoing support. We'll help you announce to your community your commitment to go above and beyond in HAI reduction — with the adoption of UV technology.



1. Bhalla A, Pultz NJ, Gries DM, et al. "Acquisition of Nosocomial Pathogens on Hands After Contact With Environmental Surfaces Near Hospitalized Patients." *Infection Control Hospital Epidemiology*. 2004 Feb;25(2): 164-7
2. Kramer, A. et al. "How long do nosocomial pathogens persist on inanimate surfaces? A systematic review." *BMC Infectious Diseases* 2006, 6:130
3. Based on third-party laboratory micro-eficacy data
4. Rutala WA, Gergen MF, Tande BM, et al. "Room Decontamination Using an Ultraviolet-C Device with Short Ultraviolet Exposure Time." *Infection Control Hospital Epidemiology*. 2014 Aug;35(8): 1070-1072
5. Sifuentes, L. Y.; Peterson, A.; Pivo, T.; Gerba, C. P. Ultra Violet Light Efficacy in the Absence of Cleaning. In APIC (poster presentation); 2015.
6. Croteau, M. E.; Grover, T. M. Evaluating the Efficacy of UV-C Technology in Acute Care. In APIC (poster presentation); 2015.
7. Mauzey, S. Impact of Ultraviolet Technology on Incidence of Pseudomonas in a Neonatal Intensive Care Unit. In APIC (poster presentation); 2015.
8. Zimlichman E, et al. "Health Care-Associated Infections: A Meta-analysis of Costs and Financial Impact of the US Health Care System." *JAMA Internal Medicine*, published online September 2, 2013.

Customer support



Workflow Support

Implementing new technology isn't easy. Clorox Healthcare® is here to help you get the most out of your device. We provide:

- Pre-device purchase consultation to identify ideal workflow with current cleaning protocols
- In-servicing and training tools to ensure staff is confident operating your UV system
- Ongoing support to design potential solutions to workflow issues



Technical Support

Every device purchase includes a 1-year classic warranty. Customers can extend their coverage through a comprehensive care warranty, which includes:

- Telephone support
- Warranty labor and replacement parts
- Annual preventative maintenance service call
- Annual replacement of UV lamps and UV protective film for touch screen



PR Support

Clorox Healthcare® will partner with your facility to:

- Develop staff and patient education, including training kits and awareness-building campaigns
- Assist with informing the community about augmented efforts to reduce HAIs
- Position you as a leader in HAI reduction techniques and antimicrobial stewardship

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