



# Healthcare Infection Prevention



## DISINFECT AND PROTECT

*Safe, Efficient, and Cost Effective Disinfection*

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## DISINFECT AND PROTECT

NoroxyCdiff is the most up-to-date solution for your disinfection needs; providing a safe alternative to bleach products.

### Features:

- Made in the USA
- EPA Registered
- FDA clearance for use as a sanitizer on food contact surfaces
- Broad Spectrum microbial action
- Bleach free disinfectant, sanitizer, and sporicide
- Effective bactericidal and virucidal in the presence of 5% blood serum, and organic soil
- One step hospital-use germicidal disinfectant cleaner
- Can be electrostatically applied
- Ready to use HMIS Safety Rating of 1-0-0, minimize PPE
- Leaves no visible residue
- Two (2) minute dwell time to kill Cdiff
- Effective against molds and fungi

### Properties of an Ideal Disinfectant:

• Sustained Antimicrobial Activity	• Easy Application
• Acceptable Odor	• Economical
• Soluble and Stable	• Non-Flammable
• Broad Spectrum	• Fast-Acting
• Remains Wet for Kill-Time	• Not Affected by Environment
• Non-Toxic	• Surface Compatibility

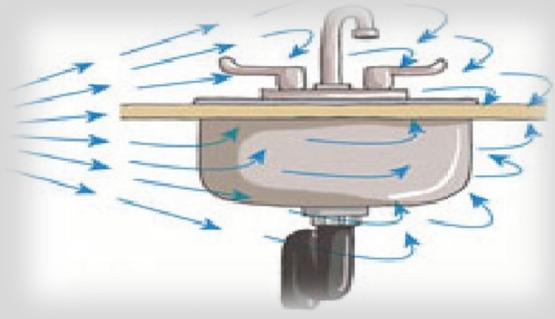
**RUTALA, WEBER, Infection Control Hospital Epidemiology, 2014; 35:855-865**

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## Wrap Around Technology

The nozzle electro-statically charges the particles as they leave the sprayer causing them to wrap-around objects and provide even coverage. Imagine the ease of disinfecting a bed-frame with this technology.



## Cost Effective

EPA studies indicate that use of electrostatic sprayers for application reduce chemical use by up to 10x's . Less impact on the environment and less chemical used.

## Electrostatic Application

Electrostatic sprayers allow for flexible application in many environments. Treat hallways, cafeteria's, ambulances , and equipment. Using an electrostatic application of NoroxyCdiff you can cover a standard 225 square foot hospital room in two (2) minutes or less and the room can be occupied within five (5) minutes.

## Application Management

While all of our chemicals can be applied by a standard spray/wipe method, we recommend electrostatic application because of the multiple benefits.

## Imagine:

- 10x's less chemical use
- Turnover time of five (5) minutes
- Reduced employee labor
- Total room coverage
- 99.999% kill rate
- Two (2) minute dwell time
- Application to electronics





## SIMPLIFY | DISINFECT | PROTECT

A highly effective biostatic/fungi static/algistatic surface treatment that is specifically designed to form a permanent bond on virtually any surface. This bond creates a long-lasting antimicrobial barrier inhibiting the growth of organisms with broad spectrum activity, effective against gram (+) and gram (-) bacteria, fungi, algae, and yeasts.

### **Bonds to the surface of product requiring direct contact with the microbes:**

- Covalently/ionically fixed to the product surface
- Not consumed by microorganisms
- Mechanically interrupts (lyses) the cell wall
- After 40 years of research surrounding the active molecule, there has been no reported findings of cells mutating or any known health risks with its use.

**Safe, Efficient, Cost-Effective Disinfection with Prolonged Protection**

## HEALTHCARE INFECTION PREVENTION

***A Veteran Owned Business***

**[www.hiprevention.com](http://www.hiprevention.com)**

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# Product Comparison Charts

Product Name	NoroxyCdiff In-Use	Clorox Germicidal Bleach In-Use	Clorox Germicidal Bleach Wipes	Clorox Fusion Cleaner Disinfectant Spray	OxyCide In-Use	Virasept	PDI Sani Cloth Bleach Wipes	Dispatch Cleaner Disinfectant Towels with Bleach	Klorsept In-Use	Peridox RTU
EPA Registration Number	10324-214-92089	5813-102	67619-12	67619-30	1677-237	1677-226	9480-8	56392-8	71847-6	88089-4
C.diff Spore Contact Time	2-Minutes	5-Minutes	3-Minutes	2-Minutes	3-Minutes	10-Minutes	4-Minutes	3-Minutes	4-Minutes 4306 ppm	3-Minutes
HMIS Safety Rating	0-0-0	1-0-1	1-0-1	0-0-0	1-0-0	3-0-0	1-1-0	1-0-1	Not Specified in SDS	2-0-0
Active Ingredient	Hydrogen Peroxide, PAA	Sodium Hypochlorite 8.3% 1:9 Solution 8700 ppm	Sodium Hypochlorite .55%	Sodium Hypochlorite .39%	Hydrogen Peroxide, PAA	Hydrogen Peroxide 31.3% PAA .050%	Sodium Hypochlorite .63%	Sodium Hypochlorite .65%	Chlorine	Hydrogen Peroxide, PAA
PPE Required?	No	Yes, Level A	Yes, Level A	No	No, <u>Effective Exhaust Ventilation</u>	Yes, Safety Goggles with Side Shields	Yes, Gloves	Yes, Level A	Yes, Gloves, Safety Glasses, <u>Ventilation</u>	Yes, Gloves, Safety Glasses, <u>Ventilation</u>
Corrosive?	No, on most healthcare surfaces	Yes	Yes	Yes	No, on most healthcare surfaces	No, on most healthcare surfaces	Yes	Yes	No, on most healthcare surfaces	No, on most healthcare surfaces
Can be applied Electrostatically?	Yes	No	No, RTU Wipe Configuration	No, only available in dual chamber trigger spray bottle	Not recommended	No, on most healthcare surfaces	No, RTU Wipe Configuration	No, RTU Wipe Configuration	Not recommended	Not recommended
Rinse/Wipe Required?	No, air dry	Yes, after 5-minutes	Yes, after 3-minutes	Yes, after 2-minutes	No	No, on most healthcare surfaces	Yes, after 4-minutes	Yes, after 3-minutes	Yes, no remove white film	No

# Product Comparison Charts

Product Name  EPA Registration Number	EPA Registered for C.diff Spores?	Surface Coverage	Average Reoccupation time (Typical 225 SF Hospital Room)	Surface Damage	Capital Expense	Maintenance Contract	Cost Per Application (Typical 225 SF Hospital Room)
NoroxyCdiff 360 Electrostatic Application In-Use	Yes	Complete coverage of all surfaces, including all nooks and crannies	Less than 1-minute to apply, room ready for re-occupation once surfaces are dry; approximately 5- minutes	None	As low as ^600 for portable, battery- powered Electrostatic Sprayer	Non, sprayer comes with one-year manufacturers warranty	Approximately \$2.00
UV Robots	No  ** Recent study linked below, calls into question the effectiveness of UV against C.diff spores	Line-of-Site kill only. UV does not reach into all the nooks and crannies	Up to 60-minutes; (two) 15-minute cycles in the room. (One) 15- minute cycle in the bathroom, plus set-up and positioning time.	Over time, UV will begin to turn surfaces yellow, and microscopic cracks begin to appear in surfaces which leads to new homes for deadly pathogens to begin to grow.	Typical UV Robots cost between \$75,000 and \$120,000 (average \$87,500). Newer units are being introduced in the \$30,000 to \$40,000 range.	As high as \$33,000 per unit/per year.	\$23.12 average over 5-years.  *See study link below.
Sanocil HaloMist Hydrogen Peroxide Fogging	Yes	Complete coverage of all surfaces, including all nooks and crannies	90 to 120-minutes	None	\$8,000 to \$10,000	No Service Contract on machine	\$12.71 average over 5-years
Tomi SteraMist BIT Hydrogen Peroxide Fogging	Yes	Complete coverage of all surfaces, including all nooks and crannies	75+ minutes	Yes	\$17,000 to \$56,000	Manufacturer provides one-year warranty	\$8.50 for non- C.diff treatment, as per the manufacturer. C.diff treatment