



Abstract

An independent 3rd party group conducted a study in an Arizona hospital to test the effectiveness of two different hard, non-porous surface disinfectants. The objective was to determine whether ProKure[®] V, a chlorine dioxide (ClO₂) based disinfectant would outperform the hospital current quaternary ammonium-based disinfectant "Quat X". The results of the study showed that ProKure[®] V significantly outperformed the hospital's then-current disinfectant by dramatically reducing microbe counts.

Background and study overview

The CDC reports that on any given day, about one in 31 hospital patients has at least one health-care associated infection. Thus, healthcare facility managers are looking for surface disinfectants that provide for improved microbial control.

For this case study, two main areas of the hospital were surveyed: operating rooms and patient rooms in the intensive care unit. All rooms surveyed were terminally cleaned using the standard cleaning and disinfection protocols with Quat X or ProKure[®] V. After the terminal cleaning, high touch areas in each room (bed rails, door knobs, etc) were swabbed and cultured to determine the number of microbes still present.

Key findings

The study demonstrated that ProKure[®] V was much more effective at disinfecting microbe-dense areas in the hospital than Quat X. A staggering 96% of the culture plate sampled from the survey areas cleaned with ProKure[®] V showed lower levels of microbes than the samples from the rooms cleaned with Quat X. See a typical example below.



Plate A
Surface Cleaned with Quat X

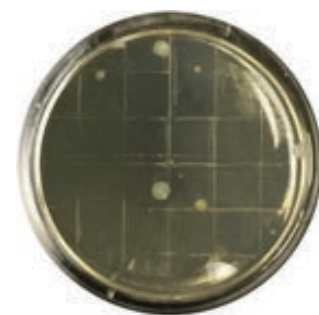


Plate B
Surface Cleaned with ProKure[®] V

See for yourself how ProKure[®] V is more effective.

ClO₂ Deodorization & Disinfection System

ProKure[®] 1

ClO₂ to Go Now Available for the Restoration Pro

Nothing surpasses ClO₂ (chlorine dioxide) for deodorization and disinfection. With fast and effective control of a broad spectrum of germs and odors, ClO₂'s selective reactivity makes it a powerful non-chlorinating (which means no harmful chlorinated by-products!) oxidizing agent that is safe for a wide variety of uses. ClO₂ physically changes the chemical make-up of germs and odor-causing compounds and then breaks down leaving no harmful residue. But ClO₂ was previously unobtainable for restoration pros. Now ProKure1 makes ClO₂ safe and easy to use for restoration jobs of nearly any type or size...with outstanding results.

Introducing ProKure1 Formulated for Professional Use Version 171204

OMRI Listed &
EPA Registered



ClO₂

The Future of Disinfection & Deodorization

Fast. Versatile. Effective.

At the correct potency, ClO₂ is effective for controlling an impressive variety of odors and pathogens.

	ClO ₂	Sodium & Calcium	Ammonium Compounds	Hydrogen Peroxide	Ozone	Hydroxyl	Gluteraldehyde	Iodophers	Paracetic Acids
Kill Time	Seconds to Minutes	Minutes to Hours	Minutes to Hours	Minutes to Hours	Minutes to Hours	Minutes to Hours	30 Minutes to Hours	Minutes to Hours	Minutes
Broad Spectrum	•	•			•	•		•	
No Cancerous or Harmful Residues	•			•	•	•		•	
Deodorizer	•				•	•			
Nullifies Bacterial Adaptation	•			•	•	•			
Works With Organic Contamination	•				N/A		•		
Not Affected by pH	•				N/A		•		
Gram Negative Bacteria, Tuberculosis, Pseudomonas	•	•		•	•	•		•	
Effective Against Complex Organisms (Cysts, Spore, Protozoa)	•				•	•		•	
Safe on Soft Fabrics	•								
Eliminates Chemical Contaminants	•			•	•	•			
Color Safe	•		•		N/A				
Waste Stream Compatible	•			•	N/A	•			
Effective at High Temps	•		•		•	•		•	

The History of ClO₂



Discovered by British chemist, Sir Humphrey Davy, the deodorization and disinfection power of ClO₂ became widely known in the early 1900's. Globally, ClO₂ is the preferred means of deodorization and disinfection for large-scale uses, like water treatment. ClO₂ neutralizes stubborn pathogens and odors in water more rapidly and leaves no harmful residue.

ClO₂ Deodorization & Disinfection System

ProKure[®] 1



ProKure V Hospital-Type Disinfectant

FOR EMERGING VIRAL PATHOGENS (EVP): ProKure V has demonstrated effectiveness against viruses similar to SARS-CoV-2, the virus that causes COVID-19, on hard, non-porous surfaces. Therefore, ProKure V can be used against COVID-19 when used in accordance with the directions for use against Poliovirus-1 on hard, non-porous surfaces. Refer to the CDC website at <https://www.cdc.gov/coronavirus/2019-ncov/index.html> for additional information.



A DISINFECTANT AGAINST:

- Methicillin-resistant *S. aureus* (MRSA) (ATCC 33592)
- *Staphylococcus aureus* (ATCC 6538)
- *Pseudomonas aeruginosa* (ATCC 15442)
- *Listeria monocytogenes* (ATCC 19111)
- *Trichophyton mentagrophytes* (athlete's foot) (ATCC 9533)
- Vancomycin-resistant *Enterococcus faecalis* (ATCC 51299)
- *Salmonella enteric* (ATCC 10708)
- *Mycobacterium bovis* (ATCC 35737)
- *Candida albicans* (ATCC 10232)

A SANITIZER AGAINST:

- *Staphylococcus aureus* (ATCC 6538)
- *Salmonella typhimurium* (MDRS) (ATCC 13311)
- *Klebsiella pneumonia* (ATCC 4352)
- *E. coli* (ATCC 11229)
- *E. coli* O157:H7 (ATCC 43895)
- *Listeria monocytogenes* (ATCC 19111)

A FUNGICIDE AGAINST:

- *Fusarium solani* (ATCC 36031)
- *Botrytis Sp* and *Penicillium digitatum* (ATCC 201167)
- *Aspergillus niger* (ATCC 9642)

A DEODORIZER

Suitable for Water – Including Sewer Backup and River Flooding – Smoke Damage Restoration, and Contents Deodorization

A VIRUCIDE AGAINST:

- Human Immunodeficiency Virus Type 1 (HIV-1) (HTLV-III)
- Hepatitis A (HM-175)
- Herpes Simplex-2 (ATCC VR-734)
- Rhinovirus type 37 (ATCC VR-1147)
- Influenza-A virus (ATCC VR-544)
- Coronavirus (ATCC VR-740)
- Poliovirus-1 (ATCC VR-1000)
- Feline Calicivirus (ATCC VR-782)
- Rotavirus (WA)
- Canine Parvovirus (ATCC VR-2017)
- Adenovirus type 5 (ATCC VR-5)
- Vaccinia Virus (ATCC VR-119)
- Norovirus (feline calici used as testing surrogate) (ATCC VR-782)
- *Bordetella Bronchiseptica* (kennel cough) (ATCC 10580)
- Canine Distemper Virus, Strain Snyder Hill (ATCC VR-1587)
- Feline Panleukopenia Virus (Feline Distemper)

AN ALGAECIDE (Phormidium boneri)

KILLS ODOR-CAUSING BACTERIA, MOLD & MILDEW

EPA Reg. No. 87508-3-89334
EPA Est. No. 62788-AL-001

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling. Read the entire label and use strictly in accordance with precautionary statements and use.

866.206.1301 • ProKure1.com • info@prokure1.com

205-COL-PK1VCLAIMS