

Remove Pathogens. Preserve Protection.

Switch to microbiome friendly cleaning for healthcare environments. Scientifically validated to prevent pathogen transfer and biofilm formation Safe for patients, staff, sensitive equipment and the environment.

Validated cleaning process removes greater than 99.9 % of bacteria. Safely replace disinfectant cleaning and remove accumulated soils in non critical wards and public spaces.

Studies confirm current health care disinfectant cleaning achieves 1.5 to 3 log pathogen reduction. Switch to targeted disinfectant application after Cogent One Health cleaning to achieve a combined six log pathogen reduction in critical areas of your facilities.

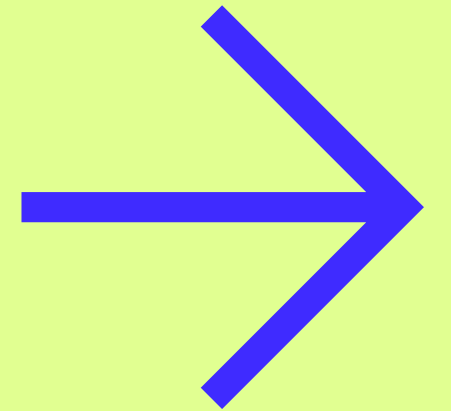


COGENT
ENVIRONMENTAL SOLUTIONS



**Choose Cogent
One Health™
The Next Generation
of Cleaning**

Cogent One Health™ | www.cogentenvironmental.ca



7/23/2026

Michael Rochon

The Evolution of Surface Management

Moving Beyond Traditional Disinfectants

The Illusion of Clean



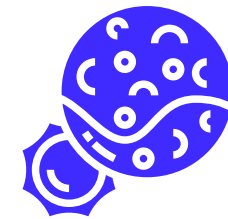
The Disinfectant Illusion

Routine chemical disinfecting creates a false sense of surface safety.



Science Reveals the Flaw

Environmental microbiology exposes how traditional methods fail to remove hidden threats.



Invisible Biofilm Bunkers

Bacteria build resilient, microscopic slime layers that evade standard cleaning.



A New Solution Emerges

Targeted matrix deconstruction breaks down biofilm defenses for true surface safety.

Hidden Biofilm Reservoirs



Invisible Biofilm Fortresses

- Bacteria construct microscopic slime layers on everyday surfaces.



Widespread Contamination

- Up to **95%** of high-touch surfaces are affected by these hidden structures.



Reservoirs for Pathogens

- Biofilms shield dangerous microbes like **Staphylococcus** from routine cleaning.

How Disinfectants Backfire

Chemical Residue Backfires

- Low-level disinfectant residues act as a warning signal for bacteria.

Bacterial Defense Mechanisms

- Exposure to fading chemicals triggers bacteria to produce extra protective slime glue (**EPS**).

Biofilms Grow Stronger

- Routine disinfecting can unintentionally create **thicker, more resilient biofilms**.

Physical Barriers Remain Untouched

- Traditional chemicals cannot penetrate or dismantle the biofilm's structural wall.



Biofilm Breakdown & Safe Removal

Disrupting Biofilm Structure

Plant-based Sodium Phytate aggressively removes essential minerals, destabilizing the biofilm matrix.

Matrix Collapse and Debris Breakdown

Once minerals are stripped, the biofilm's protective wall collapses, exposing trapped contaminants.

Eco-Friendly Surfactant Action

A blend of rapidly biodegradable surfactants instantly dissolves and emulsifies organic debris for safe removal.



Saturated & Dry Microfiber Protocol

Dual-Cloth Cleaning Protocol

- Combines **saturated agitation** with dry capture for maximum effectiveness

Saturated Microfiber Action

- Penetrates and disrupts weakened biofilm matrix on surfaces

Dry Microfiber Lockdown

- Physically lifts and traps emulsified contaminants, preventing cross-contamination



Gold Standard Validation



Rigorous Real-World Testing

- Validated with the CREM Co QCT-3 protocol for authentic cleaning scenarios



Exceptional Pathogen Reduction

- Demonstrated **99.9% reduction** of Staphylococcus on dry surfaces



Zero Cross-Contamination

- Proven to prevent microbial transfer to adjacent surfaces

Facility & Home Advantages

Accelerated Cleaning Cycles

No chemical dwell time means faster, more efficient workflows

Protects Sensitive Equipment

Non-corrosive formula is safe for electronics and touchscreens

Responsible Chemistry for Homes

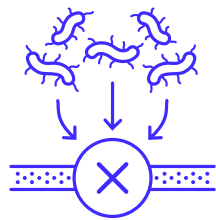
Plant-based chelator and rapidly biodegradable surfactants ensure a safer environment for families

Streak-Free, Visibly Clean Surfaces

Removes skin oils and smudges for a pristine finish

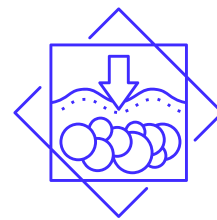


Safer, Non-Toxic Surface Care



Break the Cycle of Resistance

Traditional disinfectants can trigger bacteria to build tougher, more resilient biofilms.



Embrace Matrix Deconstruction

Targeted chemistry collapses biofilm defenses without relying on toxic chemicals.



Safe, Effective Cleaning for All

Plant-based chelators and rapidly biodegradable surfactants ensure non-toxic, high-performance results.

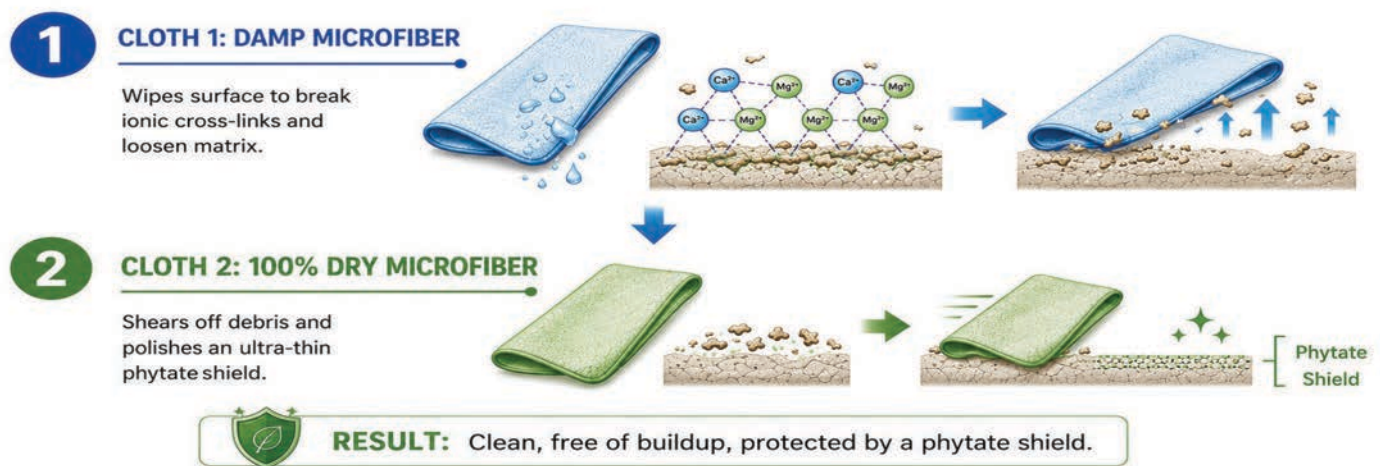
III. CLINICAL VALIDATION: THE CREMCO QCT3 BENCHMARKS

To verify this non-disinfectant strategy under realistic hospital conditions, the protocol was subjected to independent Cremco QCT3 (Quantitative Carrier Test Tier 3) testing—a high-friction, organic-soil standard. The results confirm clinical-grade extraction:

*99.9% Physical Bacterial Removal (3-Log Reduction): Confirms that de-solidifying the EPS cross-links allows a cloth to completely sweep away dense bacterial communities.

*97.8% Non-Enveloped Viral Removal: Proves the surfactant blend breaks the severe electrostatic forces pinning highly resilient viral capsids (e.g., Norovirus) to hospital substrates.

Near-Zero Cross-Contamination Transfer: The QCT3 transfer tier verified that the method prevents almost all transfer to adjacent surfaces during the wiping process, ensuring that pathogens are securely locked into the cleaning cloth“



*Step 1: Apply Cogent One Health RTU directly to Cloth 1 (Blue Microfiber) using a squirt-top bottle or extract a moistened wipe. Wipe all high-touch ward surfaces systematically from top to bottom.

*Step 2: Follow instantly behind with Cloth 2 (Green Microfiber), which must be kept completely dry. Buff the surface to a flawless, streak-free shine.

*Step 3 (The Conditioning Effect): Do not rinse. The dry cloth naturally shears away the loose biomass while spreading the remaining unevaporated solution into a self-limiting, sub-micron layer. As the moisture flashes off, the sodium phytate settles into a smooth, non-tacky protective shield. In critical care ,ICU , Isolation Discharge cleans when advised by Infection control apply disinfectant after cleaning.





COGENT
ENVIRONMENTAL SOLUTIONS

Contact & Ordering

Cogent Environmental Solutions

Michael Rochon

Tel: 705-434-4489 Cell: 705-434-8681

Email: rochon@cogentenvironmental.ca

Website: cogentenvironmental.ca

Visit site for detailed information and Safety Data Sheet



Product Formats

9506-4: 4 x 3.78L case

9506-6: 6 x 946ml case

9506-12: 12 x 70-count wipes per case