



Fighting Coronavirus Infections

Products that meet EPA's criteria for use against SARS-CoV-2, the virus that causes COVID-19



What we'll cover:

01

Microbial Primer and COVID-19

Where does the novel coronavirus sit on the pyramid of microbial hierarchy? How hard is it to kill?

02

MB-10 Tablets

Learn more about the MB-10 Tablet Chlorine Dioxide technology

03

The Halo LS Disinfection System

Learn more about the Halo Disinfection System

04

Hand Hygiene Products

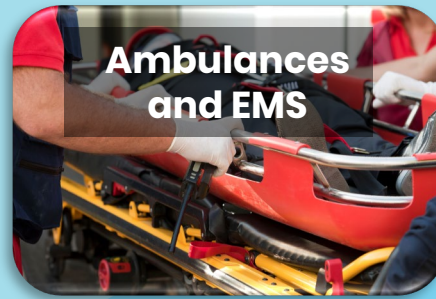
Review the hand hygiene products we recommend

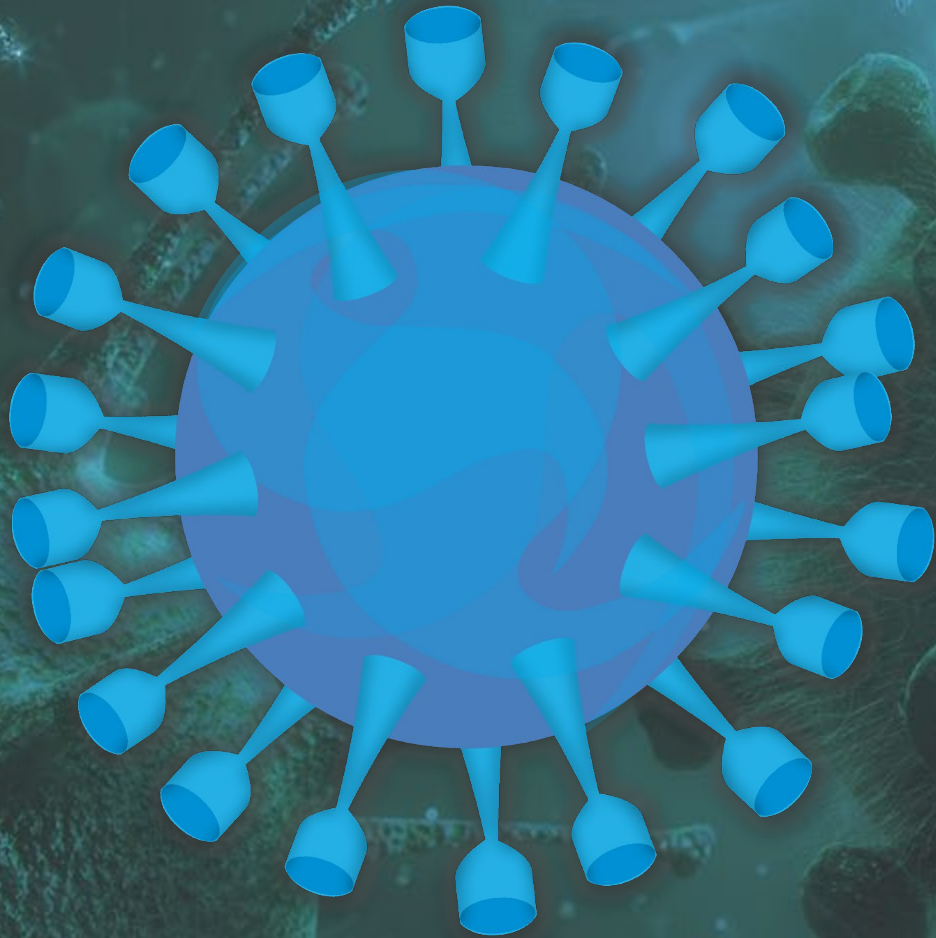
05

Other Recommended Products

Review the other products we recommend during the COVID-19 Pandemic

What Industries Does Quip Laboratories Support With Our Biosafety and Facility Hygiene Solutions?





Microbial Primer

How does the SARS-CoV-2 Virus compare to other pathogens?

The most difficult to eradicate microorganisms (such as spores like *C. difficile*) possess the highest intrinsic resistance to disinfectants.

MOST RESISTANT

Mycobacteria
(*M. tuberculosis*)

Non-Enveloped Viruses
(Norovirus, HAV, polio)

Fungi
(*Candida*, *Trichophyton*)

Bacteria
(MRSA, VRE, *Acinetobacter*)

Enveloped Viruses
(HIV, HSV and Flu)

MOST SUSCEPTIBLE

The SARS-CoV-2 Virus is an enveloped virus, meaning it resides here on the hierarchy pyramid.

How long can the SARS-CoV-2 Virus Last On Surfaces?

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What's the Log scale and why is it important?

To calculate log rates, scientists use a **logarithmic scale** that measures the reduction in pathogens.

Log reduction stands for a **10-fold** (or one decimal point) reduction in bacteria.

In other words, the disinfectant reduces the number of live pathogens by **90 percent** for every step.

What's the Log scale and why is it important? (cont'd)

1
A 1-log kill is roughly equal to a 90% reduction

2
A 2-log kill is roughly equal to a 99% reduction

4
A 4-log kill is roughly equal to a 99.99% reduction

6
A 6-log kill is roughly equal to a 99.9999% reduction

So, a UV light that gets a 2-log kill leaves **100X** more pathogens than a disinfection method that gets a 4-log kill.

Each of those pathogens



can lead to **INFECTION**.

That's why, when facing tough-to-eradicate viruses such as **SARS-CoV-2**, it's important to understand the log rating of your disinfectants.

Is Your Disinfectant Effective Against Sars-Cov-2?

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The EPA standards for emerging viruses state that in order to be considered effective, disinfectants must:

1. Be qualified for use as a hospital disinfectant, and
2. Need to have claims for at least **two of the five different small non-enveloped virus families.**

You can find disinfectants that meet the EPA criteria for use against SARS-CoV-2 by reviewing List N. If a product is qualified for the emerging viral pathogen claim, **it is effective against a harder-to-kill virus than human coronavirus.**

[Review All Products On List N Now](#)





MB-10 Tablets

The Space-Saving Option to Kill SARS-CoV-2



MB-10 Tablets

EPA#: 70060-19-46269

Using MB-10 Tablets, chlorine dioxide technology is the easiest way to transport and store a disinfectant capable of killing the SARS-CoV-2 Virus. **This Product Is On the EPA's List N**

Because MB-10 Tablets have shown effectiveness against these very challenging small, non-enveloped viruses, they can be effectively used against SARS-CoV-2 Coronavirus when used in accordance with label directions for the Parvoviruses.

MB-10 Tablets are safer than most other competitor sterilants, won't corrode surfaces and the excess solution can be safely disposed of after the job is done.



**Space-saving
Tablet Technology**



**Inexpensive
Shipping**



**Can be fogged or used
as a spray**

Are MB-10 Tablets safe for my team to use?

MB-10 Tablets are also **safe for direct skin contact**, have **zero cytotoxicity** and were found to be **more compatible with Zinc Plated Steel, Acrylic & Vinyl** in a head to head test than competitor disinfectants.

**One Sleeve of 1.5 Gram
MB-10 Tablets is equal
to 75 quarts of solution.**

75

Quarts

**One Sleeve of 6 Gram
MB-10 Tablets is equal
to 40 gallons of
solution.**

40

Gallons



How do we recommend using MB-10 Tablets in your facilities and vehicles?

MB-10 Tablets can be fogged or used as a surface spray in a quart bottle or pump-up sprayer.



To fog MB-10 Tablets, we recommend using an Ultra Low Volume (ULV) fogger, such as The BullFogger, available from Quip Labs.

These foggers put out a 5–10 micron particle size at the lowest setting.



HaloFogger LS

Dry Mist Hydrogen Peroxide, Wherever You Need It

EPA#: 84526-6

The Halo LS Disinfection System

Already used in many hospitals, the Halo Disinfection System can achieve a 6-log kill and can be safely and effectively used to disinfect electronic equipment, warehouses, vehicles and other facilities.

This Product Is On the EPA's List N.



Safe to use around
electronics



HaloMist can be used
as a fog or spray



Using the HaloFogger LS

Using the HaloFogger LS is as easy as following the steps on the right. And to make it even easier, every HaloFogger LS has fogging instructions mounted on the back to ensure safe usage every time.

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01 Clean gross soils from all surfaces.



02 Seal all vents and air intakes.



03 Open all cabinets, drawers and containers.



04 Place chemical indicator strips.



05 Plug in the HaloFogger and set time.



06 Leave, seal the exit and place signs.



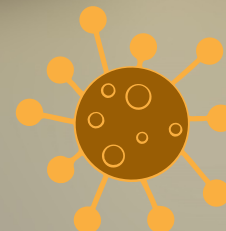
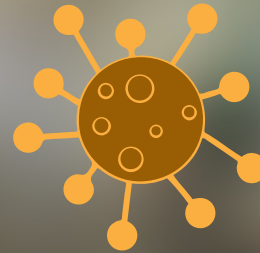
HaloMist Fast Facts:

- HaloMist is the disinfectant used in the Halo Disinfection System
- The Halo LS Disinfection System was the first technology to get a true fogging (not adjunct) claim with the EPA.
- Taking a noble metal and blending it into a stable solution of H_2O_2 is true chemistry and that is the business we are in.

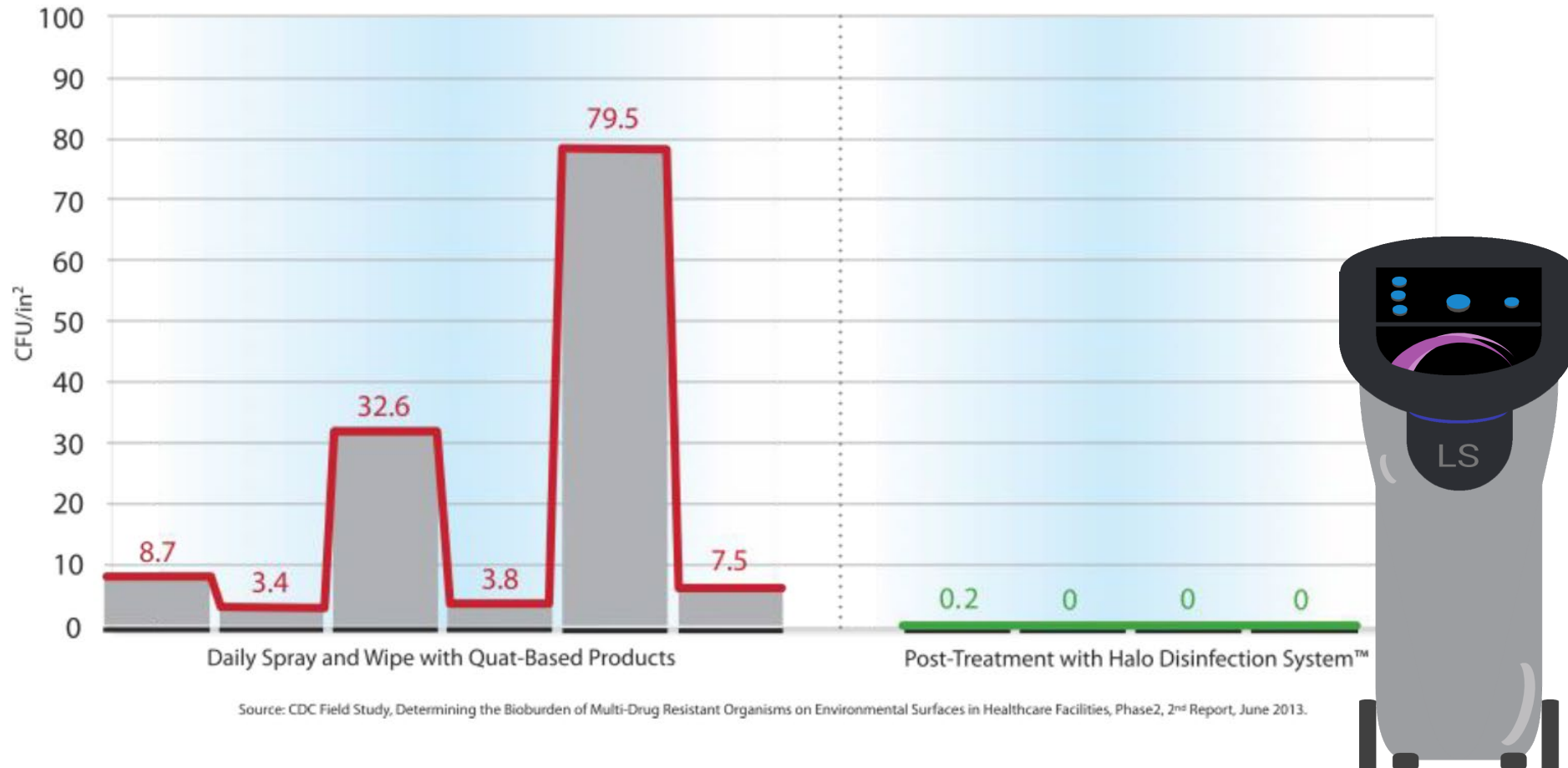
Why Does The Halo LS Disinfection System Work So Well?

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- The evaporation of water from the droplets in the air concentrates the solution .
- **Creates a pathogen-killing aerosolized dry mist**
- Use on hard to reach areas like nooks and crannies.
- **The smaller the micro droplet size the more surface area is covered.**
- The twin killing mechanisms produce the highest efficacy of any whole room disinfection system.



Centers for Disease Control and Prevention (CDC) Field Study
**Reduction in Bioburden After Adoption of
Aerosolized Hydrogen Peroxide Whole Room Disinfection**



Comparing Disinfection Methods

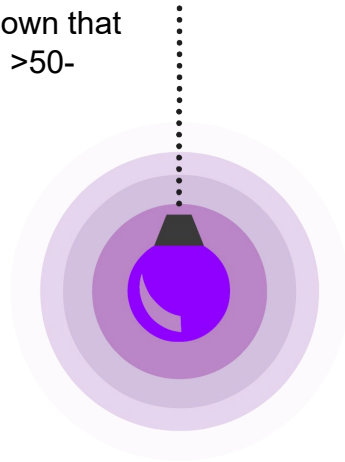
Viruses reproduce in the billions & billions, and common household disinfectants kill **99.9% of those**.

A 99.9% means for every **1,000,000** present, a common household disinfectant will reduce the population from **1,000,000** to **1,000**. While a 6-log kill, (99.9999% for every 1,000,000 present) will reduce the population from **1,000,000** to **1**.



Manual Disinfection with Household Disinfectants

When disinfecting with common household disinfectants, almost half of the threat remains. Studies have shown that manual disinfection can leave behind >50-60% of pathogens.



UV Disinfection

When disinfecting by UV light, significant threat still remains. UV disinfection can result in a two to three log kill. There are no UV systems that are EPA registered.

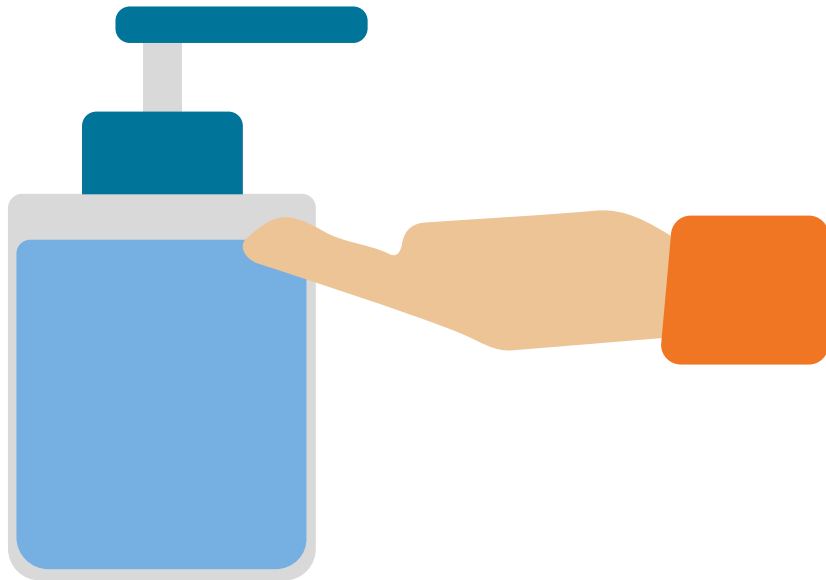


Halo LS Disinfection System

When Disinfecting with the Halo LS disinfection system, a six-log kill is achieved. This means that only a millionth of the threat remains.

Hand Hygiene

Quip Labs Products For Hand Hygiene During COVID-19



We sell our **P**repare™ Hand Sanitizing Spray, which we can add to any order to help you protect your employees and customers better.

Prepare is an E3 hand sanitizer that meets W.H.O. Specifications and CDC Guidelines (Must use greater than 60% alcohol), and has no added fragrance.



Iodex Hand Soap is an excellent addition for facilities where the spread of pathogenic microorganisms must be prevented.

This product is a one-step sanitizing hand wash for topical use by your employees.

This Product Does Not Contain Triclosan

A detailed 3D rendering of coronavirus particles, showing their characteristic spherical shape and numerous spike proteins protruding from the surface. The particles are set against a dark, teal-colored background with some light effects, giving it a scientific and somewhat ominous feel.

Other Recommended Products

Other Products We Recommend For Use During The Pandemic

Anlage QTB

Anlage QTB is a ready-to-use product that meets the EPA's guidelines for use against 2019 novel coronavirus (SARS-CoV-2) when used in accordance with the directions for use against Hepatitis A virus on hard, non-porous surfaces.

This Product Is On the EPA's List N

EPA #: 1839-83-46269



AccuPoint Sanitation Monitoring Can Help

- The AccuPoint Advanced HC System is an ATP cleaning verification and tracking system that measures cleaning effectiveness.
- Rapidly validates the cleanliness of up to 999 unique test site surfaces
- Extracts ATP samples efficiently on any surface, substance, or liquid
- Enables testing in wet and liquid areas, including very small and large areas.
- Has RFID Capabilities to track areas that need to be cleaned and disinfected



Where can you use the AccuPoint Advanced HC's RFID Capabilities?

You can use an RFID tag anywhere you want to record sanitation efforts. **This includes police cars, fire trucks, ambulances, warehouse areas, compounding pharmacies, educational facilities and more.**



VERCEX™ | **WIPEES**

- Vercex Wipes also meet EPA criteria for SARS-CoV-2 Coronavirus based on the EPA Guidelines for Emerging pathogens.
- EPA Registration #34810-35-46269
- **This Product Is On the EPA's List N.**



Questions?

Get a quote for these products and
more by calling

1 (800) 424-2436,

or reaching out via our contact form at

www.quiplabs.com

