

## Coronavirus (COVID-19) Z BioScience Protocol CLEAN, DISINFECT, and PROTECT

The Coronavirus can be transmitted by direct human contact (cough, sneeze, or other mucous contact) or by contact with the virus on an inanimate surface. The Z BioScience Protocol is designed to help avoid the transmission of the virus via contact with inanimate surfaces.

As to how long the virus can survive on inanimate surfaces, CDC Director Dr. Robert Redfield told U.S. lawmakers on Thursday (February 30th, 2020):

- *“On copper and steel, it’s pretty typical, it’s pretty much about two hours”,* referring to how long the new coronavirus may be active on those types of materials.
- *“But I will say on other surfaces - cardboard or plastic - it’s longer, and so we are looking at this.”*

The statement from Dr. Redfield is accurate for the very top of surfaces, HOWEVER, there is an additional complicating factor affecting this virus’s survivability on surfaces: surface biofilm.

The Coronavirus may be active for two hours above the biofilm, but it can live indefinitely within the protection of the biofilm.

Consequently, it is critically important that the surface be cleaned down to the microbial level if disinfectants that can kill the virus on contact are to be effective.

### The Coronavirus (COVID-19) Z BioScience Protocol is as follows:

**Step 1 – Clean:** Thoroughly clean surfaces with [Z BioScience Multi-Task Probiotic Cleaner](#) to remove soils and organic contaminants and clean to the microscopic level. Follow the directions on the label for excellent results. (Surface Cleaning before Disinfecting is the CDC’s Protocol)

**Step 2 – Disinfect:** Apply a disinfectant of your choice after performing the CDC’s mandated thorough surface cleaning as specified in Step 1 above. Please note that the product should be solely a disinfectant (not a combined cleaner and disinfectant) because such combination products have been shown to be ineffective at both the cleaning and disinfection functions.

**Step 3 – Protect:** Apply [Z BioScience Enviro Mist Probiotic Microflora Spray](#) to cover the surfaces with a probiotic layer that will act as a barrier to pathogens on the surface. The probiotics create a surface environment that is hostile and inhospitable to both pathogenic bacteria and viruses, and prevent the reestablishment of pathogenic biofilm.

### CONTACT

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# Z BioScience Product Application Instructions

## Multi-Task Probiotic Cleaner

### Multi-Task Probiotic Cleaner - Mixing Instructions:

- **SHAKE PRODUCT CONTAINER WELL IMMEDIATELY BEFORE DILUTING.**
- **DILUTED PRODUCT TO BE USED WITHIN 5 DAYS**
- Best when diluted with warm potable water up to 120°F
- Dilute as follows using potable city tap water:
  - All Purpose General Cleaning – Dilute 2oz / gallon (1:64)

**DO NOT USE CONTAINERS THAT HAVE BEEN USED  
WITH ANY OTHER CLEANING OR DISINFECTANT PRODUCTS**

### Multi-Task Probiotic Cleaner - Applications:

- ‘Spray and Wipe’ protocols incorporating microfiber clothes; wipe before product dries.
- ‘Mop & Bucket’ floor cleaning protocols
- ‘Pressure Washers’ with warm potable water (not in excess of 140°F)
- Suitable for use with commercial & industrial Zamboni (and other like) floor cleaning equipment
- Suitable for application as a foam.

## Enviro Mist Probiotic Microflora Spray

### Enviro Mist - Product Instructions:

- **SHAKE PRODUCT CONTAINER WELL BEFORE APPLYING.**
- Product is “Ready to Use” – No dilution required (except where otherwise stated).

**DO NOT USE CONTAINERS THAT HAVE BEEN USED WITH ANY OTHER CHEMICAL PRODUCTS**

### Enviro Mist - Application Equipment:

- Hand Held or Back Pack ULV fogging equipment (droplet range 10 to 20 microns optimal)
- Suggested brand (though not an inclusive list):
  - Longray CarryAll ULV Fogger; B&G Flogger

### Enviro Mist - Application Rates – ULV Fogger Protocol:

- Applied at a 10 to 20 microns droplet size 1 (one) gallon should be sufficient to fog up to 8,000 (eight thousand) square foot space to 10,000 (ten thousand) square feet.

### Enviro Mist - Application Protocols:

- Use back pack or hand held ULV fogger noted above.
- Objective is to apply a microscopic layer of protective, safe, healthy probiotic bacteria
- Direct misted product onto all water tolerant surfaces.
- Direct mist onto fabric of curtains, over furniture (couches, chairs), surface coverings (bedding, table clothes and mats), carpet, rugs, counter tops, etc.
- **IMPORTANT** – Best not to saturate surfaces. It is not necessary to visually see moisture on the surfaces if you are sure they have been covered.