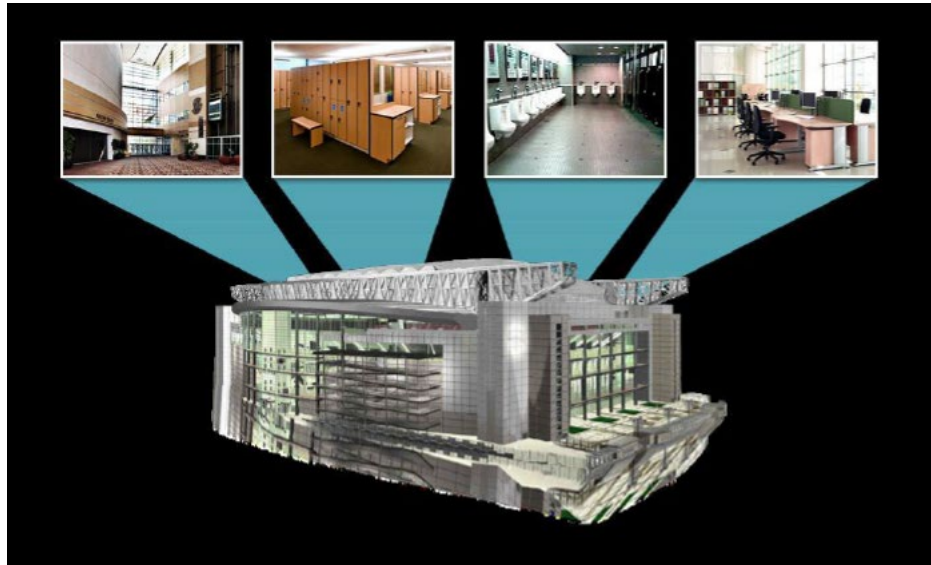


A New Generation of Disinfectant

FRAGRANCE FREE, NO HARSH FUMES, NO HARSH CHEMICALS



CLEANS, DEODORIZES, DISINFECTS, AND KILLS:

Clostridium difficile (C. diff) spores
Mycobacterium bovis (Tuberculosis)
Human Immunodeficiency Virus Type 1 (HIV-1)
Klebsiella pneumonia New Delhi (NDM-1) CRE
Methicillin Resistant Staphylococcus aureus (MRSA)
Vancomycin Resistant Enterococcus faecalis (VRE)
Salmonella enterica
Listeria monocytogenes
E. coli
Pseudomonas aeruginosa
Norovirus
Parvovirus
H1N1 Influenza A Virus
Hepatitis C Virus
Rhinovirus Hydrolyte®

GENTLE ENOUGH FOR USE IN:

Medical Facilities
Nursing Homes
Dental Clinics
Veterinary Clinics
Kennels
Food Processing Areas
Food Serving Areas
Restaurants and Bars
Grocery Stores
Churches
Museums
Theaters
Stadiums
Hotels and Resorts
Correctional Facilities
Schools
Day Care Centers
Dormitories
Athletic Facilities
Locker Rooms
Buses
Taxis
Cars
Ambulances
Boats and RVs
Office Buildings
Public Facilities
Casinos
Homes
Cruise Ships

This product was tested for efficacy requirements for hospital disinfection using AOAC testing methods.

Meets the disinfection requirements of OSHA's Bloodborne Pathogen Guidelines.

COVID-19 is caused by SARS-CoV-2 virus. **ProtectX Hydrolyte** kills similar viruses and therefore can be used against SARS-CoV-2 virus when used in accordance with the directions for use against Norovirus and Rhinovirus type 16 on hard, non-porous surfaces. Refer to the CDC website at

<https://www.cdc.gov/coronavirus/2019-nCoV/index.html> for additional information. EPA List-N:

Disinfectants for Coronavirus (COVID-19) Tool: <https://cfpub.epa.gov/giwiz/disinfectants/index.cfm>

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ProtectX Hydrolyte is a member of a family of dilute mixtures of oxychlorine compounds that is produced from weak salt water in the anode chamber of the **ProtectX Hydrolyte** electrolytic cell.

ProtectX Hydrolyte from Salt Water

The **ProtectX Hydrolyte** electrolytic cell has been specifically engineered to utilize a technology known as electro-chemical activation to convert a 3 g/l (0.3%) to 7 g/l (0.7%) aqueous solution of sodium chloride into an effective disinfectant and sanitizer. This is similar technology to salt water pool generators, but with a higher conversion.

Sea water typically contains 27 g/l (2.7%) of sodium chloride and a typical IV drip administered in a hospital is about 9 g/l (0.9%), so the concentration of sodium chloride in the “brine” used to produce Hydrolyte® may be classified as a weak aqueous solution of sodium chloride.

Composition of ProtectX Hydrolyte

ProtectX Hydrolyte produced from 7 g/l sodium chloride solution contains 99.3% water, with the remaining 0.7% of the solution being sodium chloride salt. Because **ProtectX Hydrolyte** equipment is designed to be able to precisely control the pH of the **ProtectX Hydrolyte** produced, **ProtectX Hydrolyte** generated at 6.5 pH contains free available chlorine mostly (92%) in the form of hypochlorous acid. **ProtectX Hydrolyte** achieves its disinfectant efficacy against unwanted microorganisms with only 0.046% hypochlorous acid. This product rapidly breaks down entirely to salt water.

Efficacy of ProtectX Hydrolyte

ProtectX Hydrolyte has been proven effective against a broad range of bacteria, mycobacterium and viruses. It is highly effective against *Clostridium difficile*. The method of killing unwanted microorganisms is accomplished through the physical destruction of the cell structure, bursting the cell’s membrane and disrupting the cell’s DNA. This type of lethal cell action does not allow the microorganisms to become “adaptive” to **ProtectX Hydrolyte** or form resistant strains which can survive treatment.

Hypochlorous acid within the human body

Hypochlorous acid is produced by our white blood cells and is an essential part of our immune system. This process is called phagocytosis and is one of humans’ most symbiotic actions – eliminating pathogens yet being inherently harmless. This is our body’s own normal way of fighting off infections. (Nature’s own powerful, non-toxic disinfectant. Br Dent J 224, 553 (2018). <https://doi.org/10.1038/sj.bdj.2018.302>)

Never any alcohol, dyes, fragrances, phenols, VOCs, phosphates, harsh fumes or harsh chemicals. Leaves no sticky, greasy, flammable, harmful chemical residue on surfaces after evaporation.