

QT-TB is a ready-to-use, quaternary based disinfectant designed specifically for institutional cleaning and disinfection in hospitals, nursing homes, veterinary clinics, offices, schools, motels, and hotels. It provides a high level of disinfecting against a broad spectrum of both gram negative and gram positive microorganisms. And the spray formula makes it even easier to use. Active Ingredients: n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides 0.105%, n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides 0.105%. Inert Ingredients: 99.790%.



## Features & Benefits

- Designed specifically for institutional cleaning and disinfection.
- Ready-to-use, spray formula makes it easy to use.
- EPA registered disinfectant.

## Efficacy

**BACTERICIDAL ACTIVITY** - Staphylococcus aureus, Salmonella (choleraesuis) enterica, Pseudomonas aeruginosa, Escherichia coli 0157:H7, Listeria monocytogenes, Yersinia enterocolitica, Enterococcus faecium, Corynebacterium ammoniagenes, Salmonella (typhi) enterica, and Streptococcus pyogenes.

**ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY** - Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Methicillin resistant Staphylococcus epidermidis (MRSE), Vancomycin resistant Enterococcus faecalis (VRE), Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 123) Genotype USA 400, and Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 384) Genotype USA 300.

**TUBERCULOCIDAL ACTIVITY** - This product exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG (Mycobacterium bovis) at 20 degrees Centigrade (20°C) when the treated surface is allowed to remain wet for 5 minutes.

**\*VIRUCIDAL ACTIVITY** – QT-TB kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against: Hepatitis A Virus (HAV) (University of Ottawa), Poliovirus Type 1 (ATCC VR-1000), Canine Parvovirus (ATCC VR-2017). QT-TB, when used on environmental, inanimate hard surfaces exhibits virucidal activity against Hepatitis B Virus (HBV) (Hepadnavirus Testing, Inc.), Hepatitis C Virus (HCV), and Bovine Viral Diarrhea Virus (BVDV) (NVSL) when the treated surface is allowed to remain wet for 5 minutes; Human Coronavirus (ATCC VR-740), SARS associated Coronavirus (ZeptoMetrix), Avian Influenza A strain H3N2 (ATCC VR-2072), and Avian Influenza A strain H9N2 (Charles River Laboratories) for 2 minutes; (Mumps) (ATCC VR-1438) Rhinovirus type 39 (ATCC VR-340) and Rotavirus (University of Ottawa) for 3 minutes; HIV-1 (associated with AIDS) (Advanced Biotechnologies, Inc.) for 1 minute (60 seconds); and Norovirus (Norwalk virus), Feline Calicivirus (University of Ottawa), and Rabies Virus (CDC) for 30 seconds. Kills Pandemic 2009 H1N1 Influenza A Virus (formerly called swine flu).

## Certifications & Registrations

EPA Reg. No. 1839-83-1658

## Safety

See material safety data sheet and product label for safety information, handling and proper use.

### HMIS

	Concentrate
Health	1
Flammability	2
Reactivity	0

### Technical Specifications

Color	Colorless
Scent	Lemon
Appearance	Clear
pH (concentrate)	12.00 - 13.00
Non-Volatile Matter	2.87%
Dilution Rate	RTU

### Availability

Item	Pack
HIL0101104	12 - 1 Quart Bottles
HIL0101109	1 - 55 Gallon Drum

This is an EPA registered disinfectant. Please refer to the actual container label for complete directions. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

**DISINFECTION, DEODORIZING AND CLEANING:** Remove gross filth or heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge. The product will not leave grit or soap scum.

**One-step cleaning and disinfection of toilet bowls and urinals:** Remove water from bowl by forcing water over trap with a swab mop applicator. Press swab mop against side of the bowl to remove excess water from applicator. Apply 1 to 2 ounces of this product evenly, allowing sufficient time for product to cover entire surface of bowl for maximum cleaning. Swab bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand 3 minutes (for Bloodborne Pathogens allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes) and flush.

**To disinfect food processing premises:** Floors, walls and storage areas, hold container six to eight inches from the surface to be treated and spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be pre-cleaned before using this product. Food products and packaging materials must be removed or carefully protected prior to using this product.

**To disinfect food service establishment food contact surfaces:** Countertops, appliances, tables, hold container six to eight inches from the surface to be treated and spray area until it is covered with the solution. Allow product to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be pre-cleaned before using this product. Do not use on eating utensils, glassware and cookware. Using approved AOAC test methods (under Good Laboratory Practices), in the presence of 5% blood serum and a 3 minute contact time, unless otherwise noted, QT-TB kills the following organisms on hard non-porous inanimate surfaces:

**BACTERICIDAL ACTIVITY:** *Staphylococcus aureus*, *Salmonella (choleraesuis) enterica*, *Pseudomonas aeruginosa*, *Escherichia coli* 0157:H7, *Listeria monocytogenes*, *Yersinia enterocolitica*, *Enterococcus faecium*, *Corynebacterium ammoniagenes*, *Salmonella (typhi) enterica*, and *Streptococcus pyogenes*.

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**KILLS HIV-1, HBV, and HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV, AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

**PERSONAL PROTECTION:** When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings.

**CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**CONTACT TIME:** Allow surface to remain wet for HBV and HCV 5 minutes, for HIV-1 1 minute. These contact times will not control other common types of viruses and bacteria.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

**FUNGICIDAL ACTIVITY** - This product is fungicidal against the pathogenic fungus, *Trichophyton mentagrophytes* (Athletes Foot Fungus) (a cause of ringworm), when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas commonly contacted by bare feet.

**EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

**MILDEWSTAT** - To control mold and mildew on pre-cleaned, hard non-porous surfaces, spray surface to be treated making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth appears.