

QT-TB®

QT-TB is designed specifically as a general ready-to-use cleaner and disinfectant for use on hard, non-porous surfaces in homes, hospitals, nursing homes, schools, food processing plants, food service establishments, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses, and athlete/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination. May be used in the kitchen on counters, sinks, appliances, and stovetops. A rinse with potable water is required for surfaces in direct contact with food. In addition, this product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms, and other areas which are prone to odors caused by microorganisms. QT-TB does not contain phosphates or phosphorus as required per state and/or local requirements. QT-TB is effective against SARS-CoV-2 (COVID-19 virus) on hard, non-porous surfaces in 1 minute.

- EPA Registration No. 1839-83-1658
- Ready-to-use
- Approved for use with Hillyard Trident Sprayer

Technical Specifications

Appearance	Clear
Dilution Rate	RTU
Color	Colorless
Scent	Lemon
Non Volatile Matter	2.50-3.50%
pH @ 25 deg. C	12.00 - 13.00
EPA Registration No.	EPA Reg. No. 1839-83-1658

HMIS (Concentrate/RTU)

Flammability = 2 Health = 1 Reactivity = 0

Directions

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is not for use on critical or semi-critical medical device surfaces.



Safety

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

Availability

HIL0101104	12 - 1 Quart Bottles
HIL0101107	1 - 5 Gallon Bag-In-Box
HIL0101109	1 - 55 Gallon Drum

Fill or refill the 32 oz. QT-TB spray bottle with QT-TB refill. Pour product into spray bottle over sink or tub basin.

DISINFECTION, DEODORIZING AND CLEANING - Remove visible 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 the surface to 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 for **3 minutes** (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 **1 minute** and for HBV and HCV **5 minutes**) and flush. If water cannot be removed from toilet, use product on the external surface and above waterline only.

To disinfect food processing premises: Before using this product food products and packaging materials must be removed or carefully protected. For 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. Visibly soiled areas must be pre-cleaned before using this product.

To disinfect food service establishment food contact surfaces: Before using this product food products and packaging materials must be removed or carefully protected. For 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. Visibly soiled areas must be pre-cleaned before using this product. Do not use on eating utensils, glassware and cookware.

BACTERICIDAL ACTIVITY: Using 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 surfaces: 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 USA400, and Community Associated Methicillin resistant Staphylococcus aureus (CA- MRSA), (NRS 384) Genotype USA300.

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: Canine Parvovirus (ATCC VR-2017), Hepatitis A Virus (HAV) (University of Ottawa), Poliovirus Type 1 (ATCC VR-1000)

QT-TB, when used on environmental, inanimate hard surfaces exhibits virucidal activity against: **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**; **Paramyxovirus** (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.), SARS-Related Coronavirus 2 [SARS-CoV-2] [USA-WA1/2020] [BEI NR-52281] for **1 minute**; **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** ; and **Norovirus (Norwalk virus)**, **Feline Calicivirus** (University of Ottawa) and **Rabies Virus** (CDC) for **30 seconds**.

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, hard non-porous surfaces of 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 - QT-TB is fungicidal against the pathogenic fungus, *Trichophyton interdigitale* formerly *Trichophyton mentagrophytes* (Athlete's Foot Fungus) (a cause of ringworm of the foot), 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.

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.

EFFICACY

BACTERICIDAL ACTIVITY: 3-minute contact time, : Staphylococcus aureus, Salmonella (choleraesuis) enterica, Pseudomonas aeruginosa, Escherichia coli O157:H7, Listeria monocytogenes, Yersinia enterocolitica, Enterococcus faecium, Corynebacterium ammoniogenes, Salmonella (typhi) enterica, and Streptococcus pyogenes.

ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY: 3-minute contact time, 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 USA400, and Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 384) Genotype USA300.

TUBERCULOCIDAL ACTIVITY: 5-minute contact time, Mycobacterium tuberculosis BCG (Mycobacterium bovis)

*VIRUCIDAL ACTIVITY –

30 seconds contact time: **Norovirus (Norwalk virus)**, **Feline Calicivirus** (University of Ottawa) and **Rabies Virus** (CDC).

1-minute contact time: **HIV-1 (associated with AIDS)** (Advanced Biotechnologies, Inc.), SARS-Related Coronavirus 2 [SARS-CoV-2] [USA-WA1/2020] [BEI NR-52281].

2-minutes contact Time: **SARS associated Coronavirus** (ZeptoMetrix), **Avian Influenza A strain H3N2** (ATCC VR-2072) and **Avian Influenza A strain H9N2** (Charles River Laboratories).

3-minutes contact time: **Paramyxovirus** (Mumps) (ATCC VR-1438), **Rhinovirus type 39** (ATCC VR-340) and **Rotavirus** (University of Ottawa).

5-minutes contact time: **Hepatitis B Virus (HBV)** (Hepadnavirus Testing, Inc.), **Hepatitis C Virus (HCV)** and **Bovine Viral Diarrhea Virus (BVDV)** (NVSL)

10-minute contact time: Canine Parvovirus (ATCC VR- 2017), Hepatitis A Virus (HAV) (University of Ottawa), Poliovirus Type 1 (ATCC VR-1000)

FUNGICIDAL ACTIVITY: 10-minute contact time, Trichophyton interdigitale formerly Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ringworm of the foot).