

Quat Plus TB

Where to Use

Quat Plus TB has been designed specifically for Institutions, schools and colleges, commercial and industrial institutions, churches, classrooms, community colleges, universities, athletic facilities and locker rooms, exercise rooms, exercise facilities, gyms, gymnasiums, field houses, and other institutions where housekeeping is of prime importance. Cleans and disinfects effectively and is virucidal (proven effective against HIV-1 (AIDS) virus when used as directed. Its hard surface disinfecting action will reduce the hazard of cross-contamination. Prevents odor caused by mold and mildew.

Benefits

- Maximum odor control.
- Safer, less irritating and more pleasant to use.
- Specially designed for health care staff.
- Labor saving; cost effective.
- Clean lemon fragrance.
- Safe to use on all hard surfaces.
- Convenient and efficient.
- Maximum protection.

Directions for Use

DISINFECTION, DEODORIZING AND CLEANING - Remove gross filth or heavy soil prior to application of Quat Plus TB. 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.



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 1-2 oz/30-60ml of Quat Plus TB 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.

TO DISINFECT FOOD PROCESSING AND PREMISES: Before using Quat Plus TB 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 Quat Plus TB 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.

TO DISINFECT FOOD SERVICE ESTABLISHMENT FOOD CONTACT SURFACES: Before using Quat Plus TB 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 Quat Plus TB 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.

DISINFECTION OF ANIMAL QUARTERS AND KENNELS: Before using Quat Plus TB, remove all animals and feed from premises. Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Apply Quat Plus TB for disinfection of pre-cleaned animal quarters and kennels. Saturate the surfaces with Quat Plus TB for a period of 3 minutes (for Bovine Viral Diarrhea Virus (BVDV) 5 minutes) (for Feline Calicivirus and Rabies virus 30 seconds) (for Canine Parvovirus 10 minutes). Ventilate building and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. All treated equipment that will contact feed or drinking water must be rinsed with potable water before reuse.

Properties	
Color	Clear, colorless amber
Fragrance	Lemon
Viscosity	Water, thin
VOC's (% by weight) EPA Method 24	8%
pH	12.5
Readily Biodegradable	Yes
Phosphate Free	Yes

Available Packages	Package Code	
12x1 quart case	#11789315 	
55 gallon drum	#11789357 	

For handling and precautionary information, reference the product label and safety data sheet.

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Efficacy Data

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

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, Quat Plus TB kills the following organisms on hard non-porous inanimate surfaces:

BACTERICIDAL ACTIVITY:

Pseudomonas aeruginosa (ATCC 15442)
Staphylococcus aureus (ATCC 6538)
Salmonella (choleraesuis) enterica (ATCC 10708)
Escherichia coli (ATCC 11229)
Escherichia coli O157:H7 (ATCC 43895)
Streptococcus pyogenes (Necrotizing Fasciitis-Group A) (V.A. Medical Center Isolate 04001)
Listeria monocytogenes (ATCC 35152)
Yersinia enterocolitica (ATCC 23715)
Enterococcus faecium (ATCC 6569)
Corynebacterium ammoniagenes (ATCC 6871)
Salmonella (typhi) enterica (ATCC 6539)

ANTIBIOTIC-RESISTANT BACTERICIDAL ACTIVITY:

Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 33593)
Vancomycin resistant Enterococcus faecalis (VRE) (ATCC 51575)
Vancomycin intermediate resistant Staphylococcus aureus (VISA) (CDC Isolate 99287)
Methicillin resistant Staphylococcus epidermidis (MRSE) (ATCC 51625)
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 123) Geno-type USA400
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) (NRS 384) Geno-type USA300

TUBERCULOCIDAL ACTIVITY - Quat Plus TB 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** - Quat Plus 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)

Quat Plus TB, when used on environmental, inanimate hard surfaces, with 2 minute contact time, exhibits virucidal activity against:
Human Coronavirus (ATCC VR-740)
SARS associated Coronavirus (ZeptoMetrix)
Avian Influenza A strain H3N2 (ATCC VR-2072)
Avian Influenza A strain H9N2

Quat Plus TB, when used on environmental, inanimate hard surfaces, with 3 minute contact time, exhibits virucidal activity against:
Paramyxovirus (Mumps) (ATCC VR-1438)
Rhinovirus type 39 (ATCC VR-340)
Rotavirus (University of Ottawa)

Quat Plus TB when used on environmental, inanimate hard surfaces, with 1 minute contact time, exhibits virucidal activity against:
HIV-1 (associated with AIDS)

Quat Plus TB when used on environmental, inanimate hard surfaces, with 5 minute contact time, exhibits virucidal activity against:
Hepatitis B Virus (HBV)
Hepatitis C Virus (HCV)
Bovine Viral Diarrhea Virus (BVDV) (NVSL)

Quat Plus TB when used on environmental, inanimate hard surfaces, with 30 seconds contact time, exhibits virucidal activity against:
Norovirus (Norwalk virus)
Feline Calicivirus
Rabies Virus

Quat Plus TB has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.

KILLS HIV-1, HBV AND HCV ON PRE-CLEANED 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 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 -Quat Plus TB is fungicidal against the pathogenic fungus, *Trichophyton mentagrophytes* (ATCC 9533) (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.