

Microcide TB TECHNICAL BULLETIN

Microcide TB cleans, disinfects and deodorizes hard, non-porous inanimate surfaces in one step. Its non-abrasive formula is designed for use on hard, non-porous inanimate surfaces: plated or stainless steel, aluminum, chrome, glazed porcelain, glazed tile, laminated surfaces associated with floors, walls, countertops, cages, crates, kennels, and animal equipment found in animal housing facilities.

***VIRUCIDAL ACTIVITY** – Microcide TB kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against: Hepatitis A Virus (HAV), Canine Parvovirus and Poliovirus Type 1. Microcide 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) (Avian Influenza strains H3N2 and H9N2) 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 1 (or) (5) minute(s); and Norovirus (Norwalk virus), Feline Calicivirus (University of Ottawa) and Rabies Virus (CDC) for 30 seconds.

Microcide TB has demonstrated effectiveness against viruses similar to Monkeypox virus on hard non-porous surfaces. Therefore, this product can be used against Monkeypox virus when used in accordance with the directions for use against Rotavirus (ATCC VR-2018) on hard non-porous surfaces. Refer to the CDC website at <https://www.cdc.gov/poxvirus/monkeypox/index.html> for additional information.



PROPERTIES FOR MICROCID TB

Appearance	Clear Blue Liquid
Fragrance	Citrus
Density lbs./US gal.(g/ml)....	8.38 (1.01)
pH	11.7
Contact time:.....	30 Seconds to 10 minutes (see label for specific instructions)
Viscosity cps @ 25°C.....	< 100
Flashpoint SETA °C (°F)....	> 94 (>201)
RVOC, US EPA%	0
Phosphate (%).....	0
EPA Number	1839-83-5449
EPA Est. Number.....	8155-OH-1

Microcide TB is effective against SARS-CoV-2, which causes COVID-19 on hard non-porous surfaces in just 1 minute!

Microcide TB Disinfectant Cleaner

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 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).

Microcide TB Disinfectant Cleaner is designed specifically as a non-acid, intermediate level, ready-to-use disinfectant and cleaner for use in hospitals, nursing homes, patient rooms, shower rooms, locker rooms, public restrooms, schools, office buildings, and athletic/recreational facilities.

Microcide TB is formulated to disinfect hard, non-porous, inanimate environmental surfaces: floors, walls, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, chrome, brass, copper, laminated surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For plastic and painted surfaces, spot test on an inconspicuous area before use.

Microcide TB is an intermediate level disinfectant, meaning it has a claim against TB (*Mycobacterium bovis*). In addition to this claim, Microcide TB also has claims for several non-enveloped viruses.

Non-Enveloped Viruses:

Non-enveloped viruses differ from the more common enveloped viruses in their method of transmission between cells. These differences contribute to non-enveloped viruses being much more difficult to eliminate than enveloped viruses, in terms of cleaning and disinfecting. Standard disinfecting products and procedures sometimes do not efficiently disinfect against non-enveloped viruses.

Microcide TB is intended for use on hard, non-porous surfaces, follow label instructions for non-enveloped viruses. Microcide TB has claims against the following tough-to-eliminate non-enveloped viruses:

- **Canine Parvovirus** is a highly contagious virus that affects dogs and is therefore of high concern in veterinary facilities. Treatment often requires hospitalization, and mortality rates can reach up to 91% in untreated cases.
- **Norovirus** is a highly contagious virus that causes nausea, vomiting, and diarrhea. This is often called “stomach flu” or “the cruise ship virus.” Although severe illness is rare, this virus can run rampant when an infected person is in contact with many others, such as on cruise ships or in schools.
- **Rhinovirus** is one of the most common infectious agents among humans, a cause of the common cold. Symptoms vary and include nausea, headache, cough, sore throat, and fever.
- **Rotavirus** is particularly concerning among children, and can often lead to hospitalization due to dehydration. Symptoms include fever, vomiting, and diarrhea.

Dwell Times: Microcide TB has rapid kill times for a number of pathogens, including: MRSA, VRE, and VISA (3 minutes), Influenza (2 minutes), and Norovirus (30 seconds).

Microcide TB

BACTERICIDAL ACTIVITY (BACTERIA): Using AOAC test methods under Good Laboratory Practices, in the presence of 5% blood serum and a 3 minute contact time, unless otherwise noted, Microcide TB kills the following organisms on hard non-porous inanimate surfaces:

Organism	Contact Time
Pseudomonas aeruginosa.....	3 minutes
Staphylococcus aureus.....	3 minutes
Salmonella (choleraesuis) enterica.....	3 minutes
Escherichia coli.....	3 minutes
Escherichia coli O157:H7.....	3 minutes
Streptococcus pyogenes (Necrotizing Fasciitis-Group A) (V.A. Medi-cal Center Isolate 04001).....	3 minutes
Listeria monocytogenes.....	3 minutes
Yersinia enterocolitica.....	3 minutes
Enterococcus faecium.....	3 minutes
Corynebacterium ammoniagenes.....	3 minutes
Salmonella (typhi) enterica.....	3 minutes

ANTIBIOTIC-RESISTANT:

Using AOAC test methods under Good Laboratory Practices, in the presence of 5% blood serum and a 3 minute contact time, unless otherwise noted, Microcide TB kills the following organisms on hard non-porous inanimate surfaces:

Methicillin resistant Staphylococcus aureus (MRSA)	3 minutes
Vancomycin resistant Enterococcus faecalis (VRE).....	3 minutes
Vancomycin intermediate resistant Staphylococcus aureus (VISA).....	3 minutes
Methicillin resistant Staphylococcus epidermidis (MRSE).....	3 minutes
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA).....	3 minutes
Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA).....	3 minutes

VIRUCIDAL ACTIVITY (Viruses)

Contact Time

Virus Enveloped	
HIV-1 (associated with AIDS)	1 minute
Avian Influenza A strain H3N2.....	2 minutes
Avian Influenza A strain H9N2	2 minutes
Hepatitis B Virus (HBV).....	5 minutes
Hepatitis C Virus (HCV).....	5 minutes
Duck Hepatitis B Virus (DHBV)	5 minutes
Bovine Viral Diarrhea Virus (BVDV)	5 minutes
Human Coronavirus	2 minutes
SARS associated Coronavirus.....	2 minutes
SARS-Related Coronavirus 2 [SARS-CoV-2] USA-WA1/2020 BEI NR-52281.....	1 minute
Rabies Virus.....	30 seconds
Paramyxovirus (Mumps)	3 minutes
Virus Large Non-Enveloped	
Rotavirus	3 minutes
Virus Small Non-Enveloped	
Norovirus (Norwalk virus).....	30 seconds
Feline Calicivirus.....	30 seconds
Canine Parvovirus	10 minutes
Poliovirus Type 1	10 minutes
Rhinovirus type 39	3 minutes
Hepatitis A Virus (HAV) (University of Ottawa).....	10 minutes

Mildew / Fungi

Contact Time

Trichophyton interdigitale, formerly Trichophyton mentagrophytes (athlete's foot fungus)	10 minutes
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Multi-Clean®
Your Guide to Clean

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