Johnson wax PROFESSIONAL

Reference Sheet

# VIREX™ II 256

## One-Step Disinfectant Cleaner And Deodorant

When used as directed at a 1:256 dilution (1/2 oz. per gallon of water) VIREX™ II 256 contains 660 ppm of active quaternary germicide making it highly effective against a wide variety of pathogenic microorganisms.

***Using approved AOAC test methods under Good Laboratory Practices, in the presence of 400 ppm hard water, 10% serum load and 10 minutes contact time, unless otherwise noted, VIREX™ II 256 kills the following on hard non-porous inanimate surfaces:***

**Bacteria –**
Pseudomonas aeruginosa, (ATCC 15442)
Staphylococcus aureus, (ATCC 6538)
Salmonella choleraesuis, (ATCC 10708)
Acinetobacter calcoaceticus, (ATCC 9957)
Bordetella bronchiseptica, (ATCC 10580)
Burkholderia cepacia, (ATCC 25416) formerly known as Pseudomonas cepacia
Campylobacter fetus, (ATCC 27374)
Chlamydia psittaci, (VR-125)
Citrobacter freundii, (ATCC 8090)
Enterobacter agglomerans, (ATCC 27155)
Enterobacter cloacae, (ATCC 23355)
Enterobacter liquefaciens, (ATCC 14460)
Enterococcus faecalis, (ATCC 19433) formerly known as Streptococcus faecalis
Enterococcus hirae, (ATCC 10541)
Escherichia coli, (ATCC 11229)
Escherichia coli 0157:H7, (ATCC 43890)
Flavobacterium meningosepticum, (ATCC 13253)
Haemophilus influenza, (ATCC 10211)
Hafnia alvei, (ATCC 13337)
Klebsiella oxytoca, (ATCC 13182)
Klebsiella pneumoniae, (ATCC 13883)
Legionella pneumophila, (ATCC 33153)
Listeria monocytogenes, (ATCC 15313)
Micrococcus luteus, (ATCC 4698)
Micrococcus luteus, (ATCC 14452)
Micrococcus sedentarius, (ATCC 27573)
Neisseria gonorrhae, (ATCC 43069)
Pasteurella multocida, (ATCC 43137)
Proteus mirabilis, (ATCC 9240)
Proteus vulgaris, (ATCC 13315)
Pseudomonas diminuta, (ATCC 11568)
Pseudomonas fluorescens, (ATCC 13525)
Pseudomonas putida, (ATCC 12633)
Pseudomonas stutzeri, (ATCC 17588)
Salmonella choleraesuis pullorum, (ATCC 19945)
Salmonella enteritidis, (ATCC 13076)
Salmonella gallinarum, (ATCC 9184)
Salmonella schottmuelleri, (ATCC 10719)
Salmonella typhi, (ATCC 6539)
Salmonella typhimurium, (ATCC 13311)
Serratia marcescens, (ATCC 9103)
Shigella dysenteriae, (ATCC 29026)
Shigella flexneri, (ATCC 25875)
Shigella sonnei, (ATCC 25931)
Staphylococcus aureus, (ATCC 25923)
Staphylococcus aureus (Toxic Shock), (ATCC 33586)
Staphylococcus epidermidis, (ATCC 14990)
Staphylococcus haemolyticus, (ATCC 29970)
Streptococcus agalactiae, (ATCC 13813)
Streptococcus mutans, (ATCC 25175)
Streptococcus pyogenes, (ATCC 19615)
Streptococcus pyogenes ("Strep A" - Flesh Eating Strain), (clinical isolate)
Vibrio cholera, (ATCC 11623)
Yersinia enterocolitica, (ATCC 9610)

**Antibiotic-Resistant Bacteria -**
E. coli (ATCC 55244); Resistant to Kanamycin
E. coli (ATCC 47041); Resistant to Tetracycline
Enterococcus faecalis (ATCC 51299); Resistant to Vancomycin [VRE]
Klebsiella oxytoca (ATCC 15764); Resistent to Ampicillin, Dihydrostreptomycin
Micrococcus sedentarius (ATCC 27573); Resistant to Methicillin
Staphylococcus aureus (CDC HIP-5836); Intermediate Vancomycin Resistance (VISA)
Staphylococcus aureus (ATCC 14154); Resistant to Erythromycin, Penicillin, Streptomycin, Tetracycline
Staphylococcus aureus (ATCC 33592); Resistant to to Methicillin [MRSA], Gentamicin [GRSA]
Staphylococcus epidermidis (ATCC 51625); Resistant to Methicillin [MRSE]
Streptococcus pneumoniae (ATCC 51915); Resistant to Penicillin [PRSP]

**Viruses –**
Cytomegalovirus, (VR–538)
Herpes simplex Type 1, (VR–733)
Herpes simplex Type 2, (VR-734)
Human Coronavirus (VR-740)
Influenza Type $A_2$ (Hong Kong), (VR-544)
Parainfluenza Type 3, (VR-93)
Respiratory syncytial virus, (VR-26)
Rotavirus, (Strain WA)
Vaccinia virus (smallpox vaccine virus), (VR-119)

Kills HIV-1 (AIDS virus) (HTLV-$III_B$) when used as directed on hard, non-porous inanimate surfaces with a 1 minute contact time.

Kills HBV and HCV when used as directed on hard, non-porous inanimate surfaces with a 5 minute contact time.

**Veterinary viruses:**
Avian Infectious bronchitis (IBV), (VR-22)
Avian Influenza, (VR –2072)
Canine distemper, (VR –128)
Feline virual rhinotracheitis, (VR- 636)
Infectious bovine rhinotracheitis, (VR –188)
New Castle disease, (VR –108)
Pseudorabies, (VR- 135)
Transmissible gastroenteritis virus (TGE), (U of Minn. Strain)

**Fungi –**
Geotrichum candidum, (ATCC 18301)
Saccharomyces cerevisiae, (ATCC 2601)

***Using approved AOAC test methods under Good Laboratory Practices, in the presence of 400 ppm hard water, 5% serum load and 10 minutes contact time, unless otherwise noted, VIREX™ II 256 kills the following on hard non-porous inanimate surfaces:***

**Viruses –**
Adenovirus Type 2, (VR-2)

**Fungi:**
Aspergillus niger, (ATCC 6275)
Trichophyton mentagrophytes (athlete's foot fungus), (ATCC 9533)

**Yeast:**
Candida albicans, (ATCC 10231)

**Mold/Mildew –** kills the growth of mold and mildew: Aspergillus niger (ATCC 6275) and the odors caused by them when applied to hard, non-porous environmental surfaces.

**Mildewstatic Activity -** controls and prevents the growth of mold and mildew: Aspergillus niger (ATCC 6275) and the odors caused by them when applied to hard, non-porous environmental surfaces.

**Malodors –** eliminates odors and odor-causing bacteria in restroom areas, behind and under sinks and counters, garbage cans, and storage areas and other places where bacterial growth can cause malodors.

**Bactericidal Stability of Use-Dilution –** Tests show VIREX™ II 256, when diluted in 400 ppm hard water and in the presence of 5% serum load, remains effective against Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella choleraesuis for up to 1 year in storage as long as it remains sealed. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, dry containers when diluting this product.

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VIREX™ II 256 can be applied by mop, sponge, cloth, paper towel, coarse trigger sprayer, auto-scrubber or foam gun. Change cloth, sponges or towels frequently to avoid redeposition of soil. For disinfection, all surfaces must remain wet for 10 minutes.

**DIRECTIONS FOR USE:**
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 blood stream 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. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**To Prepare Use Solution:**
Add the product at 1/2 oz. per gallon of water (1:256).

Note – Rinsing is not necessary unless floors are to be coated with finish or restorer. All food contact surfaces such as appliances and kitchen countertops must be rinsed with potable water. Do not use on glassware, utensils, or dishes.

**For Use as a One-Step Cleaner/Disinfectant:**
Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. To disinfect, all surfaces must remain wet for 10 minutes. Wipe surfaces and let air dry.

**For Use as a Cleaner and Deodorizer:**
Apply Use Solution to surfaces. Wipe surfaces and let air dry.

**For Use as a Non-Acid Bowl Cleaner/ Disinfectant in Toilet Bowls and Urinals from Use-Dilution:**
Pre-clean heavily soiled areas. Empty toilet bowls by forcing water through the trap. Apply Use Solution to exposed surfaces in toilet bowls and urinals. Swab entire surface area especially under rim. Allow entire surface to remain wet for 10 minutes. Flush toilet or urinal and rinse swab applicator thoroughly.

**For use as a Non-Acid Bowl Cleaner/Disinfectant in Toilet Bowls from Concentrate:**
Pre-clean heavily soiled areas. Add 3/8 oz. into toilet bowl for a 1:256 dilution. Swab entire surface area especially under the rim. Allow entire surface to remain wet for 10 minutes. Flush toilet and rinse swab applicator thoroughly.

**For Use To Clean and Disinfect Shower Rooms, Locker Rooms and Other Large, Open Areas with Floor Drains:** Pre-clean heavily soiled areas. Apply Use Solution to floors, walls and ceilings making sure not to over spray. To disinfect, all surfaces must remain wet for 10 minutes. Scrub using a deck brush or other coarse material as necessary. Rinse surfaces thoroughly and let air dry.

**To Kill Mold and Mildew (in 5% soil load):**
Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surfaces to remain wet for 10 minutes. Wipe surfaces and let air dry.

**To Control Mold and Mildew:**
Apply Use Solution to pre-cleaned hard, non-porous environmental surfaces. Allow to air dry. Repeat application weekly or when growth reappears.

**To Kill Fungi:**
Pre-clean heavily soiled areas. Apply Use Solution to hard, non-porous environmental surfaces. Allow surface to remain wet for 10 minutes. Wipe surfaces and let air dry.

***VIREX™ II 256 kills HBV, HCV and HIV-1 on pre-cleaned environmental surfaces/ objects previously soiled with blood/body fluids** in health care settings (Hospitals, Nursing Homes) and 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 Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) and Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS).

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

**Personal Protection:** Disposable latex or vinyl gloves, gowns, face masks, or eye coverings as appropriate, must be worn during all cleaning of body fluids, blood, and decontamination procedures.

**Cleaning Procedures:** Blood and body fluids must be thoroughly cleaned from surfaces and objects before application of VIREX™ II 256.

**Contact Time:** Allow surface to remain wet for 1 minute to kill HIV-1, 5 minutes to kill HBV and HCV, and for 10 minutes to kill all other organisms cited on the label.

**Disposal of Infectious Material:** Blood and other body fluids should be autoclaved and disposed of according to Federal, State, and local regulations for infectious waste disposal.

Virex™ II 256 may be used to fill and refill clean, properly labeled containers for dilution elsewhere within your facility. Make sure the small container has been cleaned, dried and properly labeled. Also make sure other items (funnels or hand pumps) are properly cleaned and dried. To refill, simply pour from the larger container directly into the smaller one being careful not to spill any product. Keep both containers sealed when not in use.