DOBRA CO

3D Fog Disinfection
Compliance and Efficacy Overview

Scientific Validation

The compliance and efficacy of DOBRAco 3D Fog Disinfection has been verified through a rigorous process of scientific testing.

In Vivo Testing

Efficacy tests were carried out under the NF T72-281 norm. This norm evaluates the bactericidal, fungicidal, and sporicidal activity of disinfection technologies which deliver a disinfectant solution to contaminated target areas via aerosol, taking into account interfering substances. The tests generated results which surpassed the limits set by the norm.

The bacterial, fungicidal and sporicidal activity was also assessed in line with the criteria of acceptance for the norms of reference: USP- 2007-Chapter - 1072- page 3792-3795 (United States Pharmacopeial Convention).

The assessment demonstrated that DOBRAco 3D Fog Disinfection exceeded the limits set by the above norms of reference in terms of efficacy.

In Vitro Testing

In vitro tests were conducted in line with the UNI EN model (code).

The solution was tested for basic bactericidal activity, for the bactericidal activity of chemical disinfectants and antiseptics, for the bactericidal and/or fungicidal activity of chemical disinfectants on non-porous surfaces, for basic fungicidal activity, for the basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics, for sporicidal activity, and for virucidal activity. In each case, the tests looked at the micro-organisms indicated by the relative norms and other microorganisms of clinical relevance.

DOBRAco 3D Fog Disinfection has been tested and proved effective for significant reduction or elimination, in full compliance with every norm tested.

DOBRAco 3D Fog Disinfection is effective against the following pathogens

Acinetobacter[2]
Adenovirus 5[1]
Aeromonas salmonicida
Agrobacterium radiobacter
Alcaligenes sp.
Alternaria alternata
Arcanobacterium
Aspergillus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus mucou
Aspergillus niger[1]
Aspergillus penc
Bacillus Subtilis[1]
Burkholderia cepacia
Campylobacter jejuni
Candida
Candida albicans[1]
Candida stell.
Carbapenem-Resistant Klebsiella Pnemonia[1]
Chlamidomonas sp.
Chlostridium Difficile[2]
Cholerae
Chroomonas norstedtii
Chryseomonas luteola
Citrotrobacter species.
Cladosporium cladosporoides
Coliforme Bacteria
Edwardsiella
Enterococcus faecalis[2]
Enterococcus Hirae[1]
Enterococcus spec.
ESBL producing bacteria
Escherichia Coli[1]
Ewingella
GB-Viren
Geobacillus stearothermophilus
Gram positive Bacteria
Hafnia alvei
Helminthosporium
Hepatitis B
Hepatitis C Virus Surrogate (BVDV)
Hepatitis D
Herpes simplex type 1
HIV (-HTLV-III or LAV)
Human Rotavirus
Influenzavirus H1N1
K.oxytoca
Klebsiella
Klebsiella pneumoniae
Lactobacillus
Lactobacillus brevis
Lactobacillus lindneri
Lactobacillus plantarum
Lactobacillus wild type
Legionella pneumophila[1]
Leuconostoc mesenteroides
Listeria
Listeria inoqua
Listeria monocytogenes[2]
Mesophillie Bacteria
Micrococcus candidus
Micrococcus luteus
Micrococcus marine sp
Micorcoccus roseus
Moulds
Moraxella-like Bacteria
MRSA Enterococcus[2]
Mucor spp.
Murine Norovirus[1]
Mycobacterium Avium[1]
Mycobacterium terrae (ATCC 15755) [1]
Mycobacterium tuberculosis
Neissseria meningitidis
Pasteurella
Pediococcus
Pediococcus damnosus
Penicillium
Penicillium digitatum
Penicillium roqueforti
Penicillium verrucosum
Peptococcus
Peptostreptococcus
Poliovirus 1LSc-2ab[1]

Prevotella
Proteus
Proteus mirabilis
Proteus vulgaris
Providencia
Pseudomonas
Pseudomonas aeruginosa[1]
Pseudomonas albus
Pseudomonas alcaligenes
Pseudomonas cepacia
Pseudomonas chlororaphis
Pseudomonas diminuta
Pseudomonas fluorescens
Pseudomonas pickettii
Pseudomonas syringae
Ralstonia pickettii
Rhyzopus
Saccharomyces carlsbergensis
Saccharomyces cerevisiae
Saccharomyces uvarum
Salmonella
Salmonella enteritidis
Salmonella paratyphi (A + B)
Salmonella typhi
Salmonella typhimurium[2]
Salmonella typhosa
S. agalactiae
Shigella
Sphaerotilus
Staphylococcus
Staphylococcus aureus[1]
Serratia marcescens
St. Epidermidis
Stenotrophomonas maltophilia
Streptococcus
Streptococcus faccalis
Streptococcus lactis
Streptococcus pyogenes
Thermo-stabila coliform Bacteria
Yeast
Yersinia enterocolitica
Y.Pestis
Yersinia pseudotuberculosis

[1] Germs tested according to the EN Norms
[2] Frequently found in healthcare settings

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