

AerOx® Medical is a premium and ultra broad spectrum room disinfection product for use in fogging equipment, suitable for demanding situations such as medical environments and in case of emergencies and outbreaks.

AerOx Medical is used in all medical, healthcare, semi-critical care, and long term care environments. It is also the preferred solution in case of outbreaks, or in case it is (yet) uncertain which organisms could be present, or in case a resistant micro-organism is present.

AerOx® Medical does not contain any peracetic acids, aldehydes, quats or chlorine.



## AEROX® MEDICAL

### Features

- > Broad spectrum disinfection
- > Exceeds European efficacy standards
- > Causes no antimicrobial resistance
- > Extremely biodegradable
- > Worker and consumer safe
- > Highly compatible to most materials
- > High-Speed H<sub>2</sub>O<sub>2</sub>™ based
- > NO peracetic acids, aldehydes, quats or chlorine

### Benefits

- > Does not burden users, patients, employees or visitors
- > No effect on respiratory tract, no toxic gases or waste, no residual odors
- > No or low rinsing of surfaces required after use
- > Suitable for high risk infection areas
- > Effective deodorizer

## Aseptix AEROX® MEDICAL

### Critical Care Area Fogging Disinfectant

- > BACTERICIDAL/FUNGICIDAL
- > VIRUCIDAL
- > MYCOBACTERICIDAL
- > SPORICIDAL
- > HPV LIQUID

### KEY PROPERTIES

- > Extra broad spectrum of efficacy, specifically developed for medical environments.
- > Special formulation ensures that hydrogen peroxide concentration in the air remains high and the hydrogen peroxide does not decompose in water and oxygen before reaching surfaces.
- > Producing ultra small particles, with good penetration abilities and quickly diffusible.
- > Dense fog with ultra small drops ensures all areas, crevices and holes are reached effectively.
- > With Aerofogger equipment the liquid produces a dry mist with 90% of the droplets smaller than 10 micron, these small droplets will float in the air for a prolonged period and have a fast kill effect on microbes.
- > Free of aldehydes, quats and phenols.

### APPLICATION

For use in room fogging equipment. Effectively eliminates various pathogenic microorganisms from any hard surface. Broad spectrum of antimicrobial activity. Strong deodorizing capacity. Especially designed for environments in which high disinfection capacity, user safety and reasonable contact times are required. Clean periodically between disinfection cycles for an optimal result.

AerOx® Medical is intended for use in all medical, healthcare, semi-critical care, and long term care environments. It is the preferred solution in case of outbreaks, in case it is (yet) uncertain which organisms could be present, or in case a resistant micro-organism is present. AerOx® Medical provides for a broad spectrum kill of various pathogens, including bacteria, fungi, yeasts, viruses TBC, mycobacteria, viruses and spores – including C. difficile, MRSA, and VRE. It has a strong deodorizing capacity and does not contain any toxic or hazardous chemicals, nor does it produce dangerous gasses. Within a few hours after use, a room is fully disinfected and decontaminated and can be safely entered.

### Difference with AerOx®

AerOx® standard is the preferred solution in all non-life-critical applications, and for periodic disinfection with an optimal balance between safety, cost and disinfection results. AerOx® provides for a wide spectrum kill of various pathogens, including bacteria, fungi, yeasts and viruses, and is compatible with virtually any hard surface.



## USE PRECAUTIONS

- > Use the product only according to the prescribed use instructions.
- > Do not dilute the product. Efficacy is not ensured at lower use dilutions.
- > Read carefully the Material Safety Data Sheet before handling the product.
- > CAUSES EYE AND SKIN BURNS - Wear protective gloves and glasses.
- > OXIDIZER - HARMFUL IF SWALLOWED.
- > Do not mix the product with other chemicals.
- > Do not enter the room while disinfection is in progress.
- > Only enter the room after the disinfection process is completed.
- > When entering the room, cover mouth with a cap or a wet cloth.

## AEROX® MEDICAL



## SAFETY

- > AeroX® Medical only contains food grade ingredients.
- > AeroX® Medical contains a safe and volatile "smell marker" ingredient that ensures a smell to the product once fumigated to indicate to personnel when the smell is gone, the hydrogen peroxide levels are acceptable to be in the room.



Innovative Disinfection Solutions

## USE INSTRUCTIONS

Only use Aseptix® AeroX® Medical in clean environments (clean before disinfecting the area). Ensure the humidity of the air in the room prior to the start of the operation does not exceed 60% relative humidity. In case the humidity is higher, it is preferred to dehumidify the air. This can be achieved by a simple dehumidifier. Preferably the relative humidity is below 50% relative humidity. In case of eradication of resistant microbes such as bacterial or fungal endospores or small viruses, double the disinfection time (fogging time), or repeat the disinfection fogging cycle twice. Preferred is to dehumidify between the disinfection cycles. Disinfection results as indicated by Aseptix can only be guaranteed with the use of AeroX® Liquids.

1. Calculate disinfection time using capacity of fogger and approximate area in cubic meters to be disinfected; adjust the clock to the calculated time.
2. Clean visibly dirty surfaces prior to fogging procedure; remove any sensitive electronic equipment and any objects sensitive to moist. Switch off air circulation and air conditioning systems, close doors and windows (ensure no air turbulence).
3. Switch on fogger by pressing the green button (it takes several minutes for the reservoir to be filled before the fogger starts fumigating); leave the room before fogging starts
4. The fogger automatically stops after the set time. Leave the room for at least 180 minutes to let the fog disappear and the product to act.
5. When the disinfection cycle is completed: ventilate the room, and open doors and windows.

## CALCULATING THE DISINFECTION TIME

The disinfection time is dependent upon the specific fogger that is used. Please see below for exact calculation:

- > Aseptix® AeroFogger 1  
Capacity of the fogger is 2 liter per hour. Use 15 ml per m<sup>3</sup> of space. Example 80 m<sup>3</sup> is 1200 ml: at 2 liter per hour, fog for 36 minutes (=1200 ml/2000 ml x 60 minutes) . Maximum capacity in area of fogger is ca. 120 m<sup>3</sup>
- > Aseptix® AeroFogger 2  
Capacity of the fogger is 4 liter per hour. Use 15 ml per m<sup>3</sup> of space. Example 150 m<sup>3</sup> is 2250 ml: at 4 liter per hour, fog for 34 minutes (=2250 ml/4000 ml x 60 minutes). Maximum capacity in area of fogger is ca. 250 m<sup>3</sup>

Disinfection results as indicated by Aseptix can only be guaranteed with the use of AeroX® Liquids.

## SUGGESTED USE

- > Room and area decontamination
- > Outbreaks (MRSA, C. Difficile, Noro, TBC, SARS, H5N1, H1N1)
- > C. Diff remediation
- > Hospital wards
- > Operating rooms
- > Nursing homes
- > Long term care
- > Cruise line outbreaks
- > Dentist and General Practitioners offices
- > Beauty clinics

Especially designed for environments in which high disinfection capacity, user safety and reasonable contact times are required. Contrary to quaternary ammonium based products, the product does not provide for a build-up of residues and does NOT cause antimicrobial resistance. Highly safe for users, visitors, patients and the environment. Clean periodically between disinfection cycles for an optimal result.

## HIGH DISINFECTION COMPLIANCE

- > Broad spectrum of activity: bactericidal, fungicidal, virucidal, yeasticidal, mycobactericidal and sporicidal when used in fogging application.
- > Special, patented product composition ensures a high concentration of hydrogen peroxide in the air and a slow degradation rate, ensuring high disinfection compliance.
- > Acceptable contact times: Dependent on the required spectrum of antimicrobial efficacy, the area is fully disinfected between 1 and 3 hours after application. For a broad spectrum of efficacy and high disinfection compliance (outbreaks, healthcare settings), advised is to keep the area closed without ventilation for at least 3 hours.
- > Temperature tolerant – works effectively from -5 °C to 40 °C.

## AVAILABLE PACKAGING



5 L canister:

2 x 5000 ml

## TECHNICAL DATA

Use Dilution:	Ready to Use
Active Ingredients:	Hydrogen Peroxide
Surfactants:	None
Color/Form:	Transparent colorless
Fragrance:	None
pH:	2-3
Solubility in Water:	Complete
Cleaning Performance:	N/A
Rinsability:	Not necessary
Foaming:	None
Relative Density:	1
Flash Point:	None
Chemical Stability:	Chemically stable from 4°C to 30°C (germicidal properties not affected by storage in this temperature range)
Shelf Life:	2 years. Store in original container. Protect product from excessive sunlight. Avoid extreme temperatures.

## EFFICACY

- > Bactericidal:  
EN 1040 & EN 1276, including:  
Staphylococci, MRSA, P. aeruginosa,  
E.coli
- > Yeasticidal & Fungicidal:  
EN 1275, EN 1650, EN 13624
- > Virucidal:  
Tested according the Guidelines of the  
German DVV/RKI (HIV, HBV, HCV, Influenza,  
H5N1 (Avian Flu), H1N1 (Mexican Flu), SARS,  
(model Vaccinia & BVDV).
- > Mycobactericidal:  
EN 14348, M. terrae, M. avium  
(Tuberculoicidal efficacy)
- > Sporicidal  
EN 13704, C. difficile, B. subtilis.

## ASEPTIX AREOFOGGERS

AerOx® solutions are developed to work optimally in combination with Aseptix AeroFoggers, our proprietary ultrasonic fogging devices. The products can be effectively fogged, up to -5°C. The AerOx® solutions make use of so called ULV (Ultra Low Volume) misting with Hydrogen Peroxide, which provides for very high antimicrobial efficacy. The solutions are developed to produce a high density, fine mist. However, the particle size will strongly depend on the equipment and aerosol generation technique. Please consult our Account Managers for advice on aerosol generation equipment and optimizing your application with our solutions.

## PRODUCT COMPATIBILITY

Under recommended conditions of use, the product is suitable for use on virtually all materials commonly encountered in the medical and sanitary environments. Do NOT use on acid sensitive surfaces such as marble. If uncertain, test beforehand by dripping liquid onto the surface.

## SAFETY REMINDER

Please make sure your employees read and understand the product label and Material Safety Data Sheet before using this product. The label contains directions for use, and both the label and MSDS contain hazard warnings, precautionary statements and first aid procedures. MSDS's are available online at [www.aseptix.com](http://www.aseptix.com) or by calling +31 (0)88 ASEPTIX (+31 88 2737849). Please also see the use precautions in the left hand upper corner of the previous page.



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