

# Safe from bacteria and viruses



AIRO CLINIC is the state-of-the-art atomizer designed for the direct disinfection of environments (up to 3000 m<sup>2</sup>), surfaces and aeraulic systems reducing bacterial load by 99,9%.



# Protect yourself and your patients with Airo Clinic

The atomizer that purifies the air and disinfects surfaces while combating bacteria and viruses.

## A room sanitised with AIRO CLINIC is safe.

This disinfection system contains **stabilised hydrogen peroxide**. The disinfectant can be atomised in the air-processing unit upstream the air ducts or in the room to be treated.

A special turbine (whose speed is equal to **82 m/s**), quickly spreads biocide across the room while producing **hydroxyl radicals**, which play an important role for AIRO's biocide action.



-  It reduces bacterial load by **99.9%**
-  It combats germs and bacteria in a **few minutes**
-  It **prevents** viruses and bacteria from reproducing
-  It uses natural and **biodegradable** elements only
-  Work reporting: **traceability** of datas



## 100% protected

Airo Clinic saturates the room to be treated in a short time. Dry fog does **not create deposits**. It evenly spreads across the surface in contact with oxygen without producing humidity, corrosion and residues.

## 100% non-toxic

The rapid decomposition of OH<sup>-</sup> radicals into H<sub>2</sub>O and O<sub>2</sub> makes the compound **non-toxic**, non-carcinogenic and extremely efficient against viruses and bacteria.

## 99% rapid degradation

Hydroxyl radicals encounter bacteria that contain calcium and sodium chloride. The OH ion transforms chemically stable chlorine into active chlorine, causing the destruction of bacteria and preventing them from reproducing. This treatment degrades fast, **exceeding 99%** in about 16 minutes.



## AIRO CLINIC technical sheet

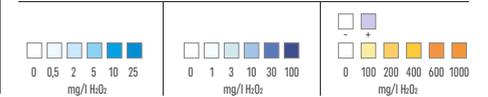
Composition		
Hydrogen peroxide	7,5%	CAS no. 7722-8-4-1
OX Nuclei, excipients and water (as required)	100%	
Physical-chemical properties		
Physical state	Liquid	Melting point (°C) -5
Colour	Colourless	Solubility in water Soluble
Odour	Odourless	Viscosity at 20°C (cP) 1,01
Stability and expiration date		
Stability related to temperature	Stable in relation to a broad spectrum (0°C - 80°C) Excellent: 5°C - 25°C	
Stability related to organic matter	Stable in relation to high levels of organic matter	
Expiration date	Over 3 years	
Residual power	High	
Activities		
Registers	RSI - 37.01372/HU ROESB - 0003A22-1FB MSC - 06-20/40-04413 - 06-20/40-04413 HA	
Bactericidal activity	Broad spectrum (Gram + and -) It does not produce bacterial resistance associated with continuous use. UNI-EN 1040. Basic bactericidal activity. UNI-EN 1276. Bactericidal activity of antiseptics and chemical disinfectants used in foodstuff, industries and at home.	
Fungicide activity	Broad spectrum UNI-EN 1275. Basic fungicide activity. UNI-EN 1650. Fungicide activity of antiseptics and chemical disinfectants used in foodstuff, industries and at home.	
Virucidal activity	Broad spectrum	
Sporicidal activity	Broad spectrum (Spores, bacteria and fungi)	
Cleaning activity	Eliminates organic biofilm from the ducts	

Activities of different types of disinfectants on some pathogens						
Type of disinfectant	Phenols	Aldehydes	Chlorates	Ammonium	Iodophor	OX products
Virus	+	+	++	+	+-	++
Bacteria	++	+	++	+(G+)	+(G+)	++
Spores	-	+	-	-	+	++
Fungi	+	+	+	+-	+	++
Applications						
Environment	Environmental use: bacterial load reduction, prevention of the sick building syndrome (SBS). 10 - 15 cc of OX-AIRE CONDUCTOS / m <sup>3</sup> indoor air.					
Air-conditioning ducts	Aerial disinfection and of air-conditioning ducts. 6-20 cc of OX-AIRE CONDUCTOS/duct linear metre.					

Property of OX products in relation to other disinfectants						
Type of disinfectant	Phenols	Aldehydes	Chlorates	Ammonium	Iodophor	OX
Biodegradable	-	-	-	-	-	+
Corrosive at the recommended dose rates	-	-	+	-	+	-
Temperature	+	+	-	+	+	+
Compatibility with detergents	+	+	+	-	+	+
Organic matter	-	+	+-	+	-	+

Environment	
Biodegradability	100% biodegradable product

Inspection	
Peroxide reactive strips	Merckoquant® reactive test



## AIRO CLINIC. Quality, control and law compliance.

The development of **OX Nuclei** allowed us to launch **products that optimise the biocide activity** of the previous range. This way, we could remove silver nitrate from its formulation in compliance with EU regulations 2032/2003 and 1048/2005. To develop AIRO CLINIC and its implementation protocol, we referred to standards **UNI-EN-100030-2005** (Guidance for the Prevention and Control of Proliferation and Dissemination of Legionella in installations), **UNI-EN-100012-2005**

(Sanitation of air-conditioning systems) and technical notes of prevention NTP 243 (Indoor air quality) and **NTP 431** (Characterisation of indoor air quality).



More health and wellbeing for your safety and peace of mind





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