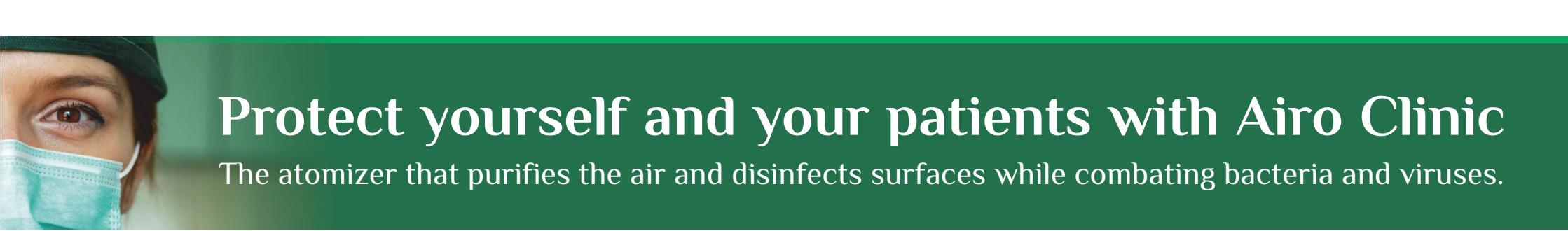


Safe from bacteria and viruses



AIRO CLINIC is the state-of-the-art atomizer designed for the direct disinfection of environments (up to 3000 m²), 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 data



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- radicals into H₂O and O₂ 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
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Stability related to organic matter	Stable in relation to high levels of organic matter
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Expiration date	Over 3 years
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Residual power	High
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Activities

Registers	RSI - 3701372/HU ROESB - 0003A22-1FB MSC - 06-20/40-04413 - 06-20/40-04413 HA
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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 antisepsics and chemical disinfectants used in foodstuff, industries and at home.
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Fungicide activity	Broad spectrum UNI-EN 1276. Basic fungicide activity. UNI-EN 1650. Fungicide activity of antisepsics and chemical disinfectants used in foodstuff, industries and at home.
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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 ³ indoor air.
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Air-conditioning ducts	Aerial disinfection and of air-conditioning ducts. 6-20 cc of OX-AIRE CONDUCTOS/duct linear metre.
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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
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Inspection

Peroxide reactive strips	Merckoquant® reactive test
0, 0,5, 2, 5, 10, 25 mg/l H ₂ O ₂	0, 1, 3, 10, 30, 100 mg/l H ₂ O ₂

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





AIRO

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for your safety and peace of mind

PT Bio srl

Innovative solutions in support of Life Science

Via Ronchi 2
21029 Vergiate (VA)
+39 331 4495680
www.ptbiosrl.com
info@ptbiosrl.com