

Product Presentation

NEW generation, professional H₂O₂- disinfection-system



Functionality of H₂O₂ disinfection

Advantages 1 to 5 - disinfection with hydrogen peroxide cold mist is easy and safe Complete disinfection even in hard-to-reach places

The disinfectant is distributed evenly in the room as a cold mist. In the form of tiny floating particles, it reaches all surfaces in the room - even in places that you cannot easily reach with a cleaning rag or UV light.

Gentle on electrical appliances Cold fog can easily be used in rooms with electrical appliances.

The mist is so fine that it does not lead to moisture in the devices or sockets.

In contrast to thermal disinfection processes with hot steam or disinfectants, which damage various surfaces, hydrogen peroxide is gentle and residue-free.

Biocompatible / health-friendly

Many disinfectants are hazardous to health, have undesirable side effects or leave residues. Formaldehyde, for example, is considered to be carcinogenic, and sodium hypochlorite, in combination with other cleaning agents or disinfectants, forms chlorine gas, which is very toxic.

Features and Functions of the product

Specification* HDC-19

Intended Use:	Automated aerosol disinfection
Of small to large rooms,	volume up to 2000m ³
Cabinet:	Stainless steel, white powder coated
Measurements:	Height (570mm), width(280mm), Depth(610mm)
Weight:	22kg
Electric Specs:	current (230V) (50/60 Hz)
Power:	150 W
Battery:	Li-Ion, 48Volt DC
Operation time:	up to 3 hours on full charge
Tank Volume:	2.5 liter "easy tank" system
Noise level:	38 dB
Standard:	600ml/h
Turbo Mode:	1.4 liter/h
Aerosol:	< 5 micron diameter
Display:	4.2" colour LCD
Timer:	Weekly timer, freely program start and disinfection time.
Operation:	Touch screen colour display
Remote control:	UHF up to 30 meter range
Safety features:	Count down timer with delayed start up, UHF remote on / off control + easy plug tank system
Mobility:	4 super quiet smooth running swivel castors, easy access evacuation drain fitting for transport

* Technical improvements and changes reserved



Test results

Test report - testing the phagocidal effect of a disinfectant

Date of receipt:	11/25/20	Test report ID:	51823_20201126_Tenta_02_DRAFT	<u>Application of the disinfectant:</u>
Test date:	11/24/2020 - 11/27/2020	Test report date:	02.12.2020	
Test method:	Tests without written work instructions from the client, carried out on the basis of DIN EN 17272: 2020-06 , chemical disinfectants and antiseptics - procedures for airborne room disinfection using automated procedures, use of deviating test organisms			Using a generator for cold fogging HDC-19 in the test laboratory of TentaMedix GmbH, Karlsruhe
Test laboratory:	TentaMedix GmbH			
Sample ID	Disinfectants	description	running time	
51823	HDC SuperLiquid 3%	active ingredient: 3% H ₂ O ₂	25 min nebulization + 25 min exposure time Test period: 10: 55-11: 45 a.m.	

Testing of the effectiveness of airborne disinfection

Test Specimen: stainless steel plate, diameter 20 mm, Room Volume: approx. 33.5 cbm

Test Conditions: Ambient room temperature at start 19.5 +/- 2 degree C, relative humidity 42%

Test organism : Phi6 bacteriophage (DSM 21518) on the host Pseudomonas syringae (DSM 21482).

Test results

Germ carrier		Dilution level	Number of pfu (mean)	Germ count	Reduction (log levels)
K	control	-5	5	1.0×10^6	---
1	2 m top left, to the ceiling	Undiluted	0	$<2 \times 10^2$	5.7
2	2 m top left, to the wall	Undiluted	0	$<2 \times 10^2$	5.7
3	2 m top right, to the ceiling	Undiluted	0	$<2 \times 10^2$	5.7
4th	2 m top right, to the wall	Undiluted	0	$<2 \times 10^2$	5.7
5	0.5 m below left, to the floor	Undiluted	0	$<2 \times 10^2$	5.7
6th	0.5 m below left, to the wall	Undiluted	0	$<2 \times 10^2$	5.7
7th	0.5 m below right, to the floor	Undiluted	0	$<2 \times 10^2$	5.7
8th	0.5 m below right, to the wall	Undiluted	0	$<2 \times 10^2$	5.7
9	behind the incubator	Undiluted	0	$<2 \times 10^2$	5.7
10	under the table top at the back	Undiluted	0	$<2 \times 10^2$	5.7
11	4 m away, 1.50 m high, left	Undiluted	0	$<2 \times 10^2$	5.7
12th	4 m away, 1.50 m high, center	Undiluted	0	$<2 \times 10^2$	5.7
13th	4 m away, 1.50 m high, right	Undiluted	0	$<2 \times 10^2$	5.7
14th	Sprayed directly, 10 min incubation	-2 *	0	$<2 \times 10^4$	3.7