

Home Alone? But Are You Really?



90%
of our time
is spent
indoors*

More than
60% of
respiratory and gastric
infections are indoors**

Mold, known as a silent killer,
grows on the walls and spreads
thousands of
airborne spores into the air we breathe***

*Source: Bulfone TC, et al. J Infect Dis. 2020;doi:10.1093/infdis/jiaa742. **Source: Bulfone TC, et al. J Infect Dis. 2020;doi:10.1093/infdis/jiaa742.
***Jarvis BB, Miller JD. Mycotoxins as harmful indoor air contaminants. Appl Microbiol Biotechnol. 2005 Jan;66(4):367-72. doi: 10.1007/s00253-004-1753-9.
Epub 2004 Nov 23. PMID: 15565335.

The Problem

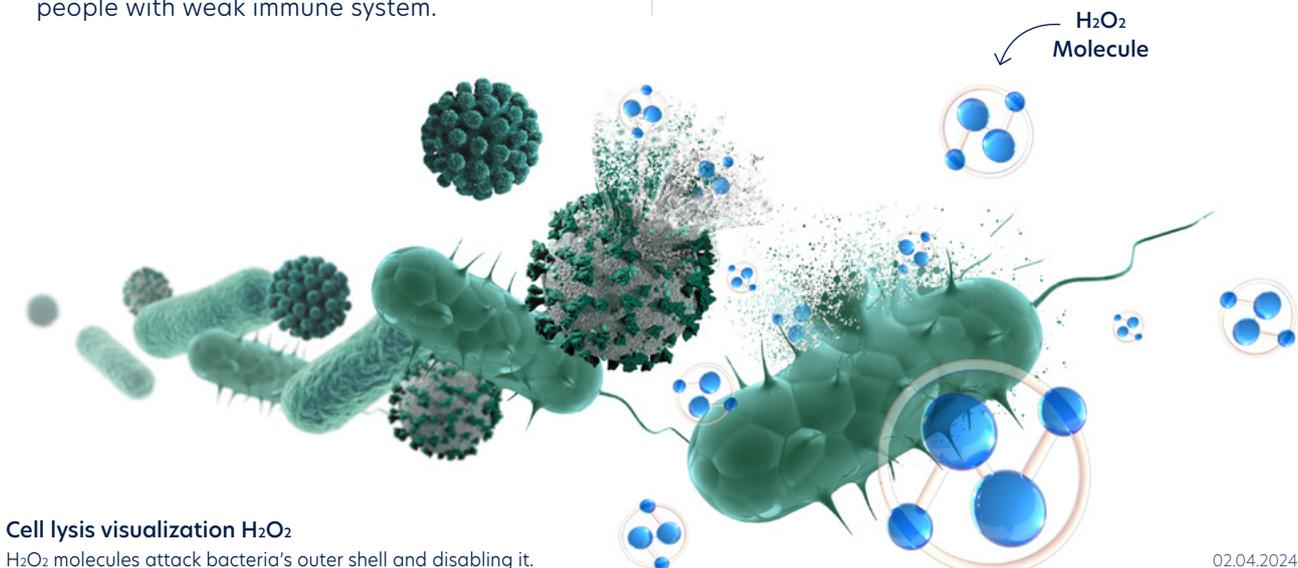
Airborne pathogens are everywhere around us

- Our homes should be safe and care free but in fact our indoor environment contains countless types of harmful pathogens.
- Residents bring in to their homes viruses and bacteria on daily basis endangering their loved ones.
- Abundant airborne mold spores exist indoors and can cause a myriad of respiratory symptoms which are extremely dangerous for people with weak immune system.

The Solution

Reduces up to 99% of airborne pathogens with an air cleaning system.

- Use air cleaning systems that are designed to remove airborne pathogens such as viruses, bacteria and mold.
- Choose air cleaning systems with proven efficacy over time.
- Select air cleaning systems that require no maintenance.



Cell lysis visualization H₂O₂

H₂O₂ molecules attack bacteria's outer shell and disabling it.



TADIRAN AIROW 3™

for Wall-Mounted Air Conditioners

TADIRAN AIROW 3™ is a hydrogen peroxide-based air cleaning device for wall-mounted air conditioners. It is a zero-maintenance solution it is a highly effective against pathogens and has low electricity usage.

It is a unique add-on device that is compatible with mini-split air conditioners, fan coils, PTACs, ceiling cassettes and VRF ductless split systems.



How it Works

TADIRAN AIROW 3™ uses a discharge current to break apart O₂ (Oxygen) molecules into two separate O atoms. The free oxygen atoms, combined with water (H₂O) molecules in the airflow, transform into purifying Hydrogen Peroxide (H₂O₂). The Hydrogen Peroxide is then distributed through the indoor air conditioning unit, traveling into the conditioned space and thus reducing aerosol pathogens.



H₂O₂ Patented Technology



VOC Emission Safe & Ozone Free



Effective Against Biological Pathogens



Plug & Play Installation



Zero Maintenance



Low Electricity Usage

Proven to Be Safe

TADIRAN AIROW™ technology was rigorously tested and found to meet the occupational exposure limit of Hydrogen Peroxide as defined by OSHA (7ppb-15ppb vs. 1ppm).

A Wall-Mounted Air Purifier is the Optimal Solution

Beyond protecting your health and ensuring that everyone in your space can breathe easier, a wall-mounted air purifier provides several additional benefits¹:

Improved Efficacy - accessible horizontal and vertical airflow is crucial in order to control airborne pathogens in the room.

Maintenance-Free - TADIRAN AIROW is maintenance-free. There is no need to change parts or call a technician for an annual checkup. It requires zero maintenance.

Space Saving Convenience - no need to place an additional unit, as the air-purifier is installed within a wall-mounted unit or a cassette.

Kids and Pets - out of reach of children and pets.

1. TADIRAN AIROW 3 device was tested in the US-based internationally recognized laboratory Innovative Bioanalysis, which is BSL3 accredited. | 2. TADIRAN AIROW 3 reduced the aerosol of Streptococcus pyogenes in 36 cubic meter test chamber, by 100% within 120 min. | 3. Independent tests commissioned by Tadiran showed that TADIRAN AIROW™ technology eliminated known aerosolized pathogens under optimal testing conditions. To learn more about the tests, visit www.tadiran-international.com/scientific-testing. | 4. Only qualified and licensed HVAC technicians may install TADIRAN AIROW. | 5. TADIRAN AIROW is verified as zero ozone. Does not emit more than 0.005PPM as tested per UL 867. | 6. World Health Organization EPA report on the environment <https://www.epa.gov/report-environment/indoor-air-quality>. Pre COVID-19. | 7. TADIRAN AIROW 3 reduced detected SARS-CoV-2 aerosol levels by 99.93% within 1 hour (16 cubic meter test chamber). | 8. TADIRAN AIROW 3 reduced MS2 levels by 99.994% in 1 hour (1 cubic meter test chamber). | 9. TADIRAN AIROW 3 reduced detected Bacteria Staphylococcus epidermidis aerosol levels by 99.994% within 1 hour (1 cubic meter test chamber) | 10. TADIRAN AIROW 3 reduced Aerosol of Blue Mold by 99.4% within 3 hours in a 25m³ chamber. | 11. TADIRAN AIROW 3 creates <15 ppb H₂O₂ based on a test conducted by LSC Laboratory inc. | 12. TADIRAN AIROW 3, tested by TUV and Intertek, does not emit more than 0.005PPM. | 13. All pictures shown are for illustration purposes only. Actual product may vary.

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