Letter to Editor: Ability of the So-called APURO® Air-washing Process to Disinfect Germs Like COVID-19 in the Indoor Air and on Surfaces

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Letter to Editor

APURO® air washing process operates with a commercially available device. It sucks in the room air and directs over slats that rotate through an APURO® A10³ disinfection bath. Germs and suspended particles from the air are deposited on the surfaces of the slats and disinfected immediately. A continuous operation is possible, so it reduces the germs in the room air permanently.

The disinfecting effect in the bath is performed by sodium hypochlorite. The APURO® electrolysis produces NaOCl, an active ingredient released from sodium hypochlorite. It is characterized by its effectiveness, high stability, and long shelf life. The efficacy of the APURO® air washing process has been studied and evaluated by an independent expert in actual application with airborne measurement. In this evaluation, a wine cellar, heavily contaminated with black mold (one of the most resistant germs), was examined before and after using APURO® air washing process. The result is impressive: the germ pressure in the room dropped within three hours from over 1000 germs to less than 90 germs per cubic meter—showing the germ load decreased to a harmless degree (Figure 1).

APURO® A10³ is also the right choice for alcohol-free surface disinfection, hygiene maintenance, and a combination with the air-washing process. It eliminates 99.99% of the germs and viruses, including corona and flu viruses, as well as spores and molds.

Ethical Considerations

Compliance with ethical guidelines

There were no ethical considerations to be considered in this research.

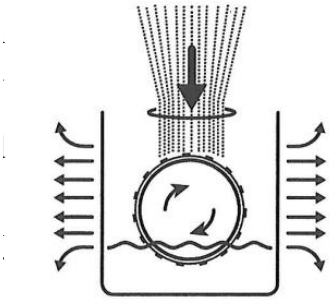

Figure 1. APURO® air-washing process

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All authors equally contributed to preparing this article.

Conflict of interest

The authors declared no conflict of interest.