



MicroShield 360
4700 Rockside Rd
Independence, OH 44131

To Whom it May Concern:

Candida auris, “C. auris” for short, is a multidrug-resistant fungal pathogen that poses a significant threat to public health – particularly in healthcare settings. It’s part of the Candida genus and is called Candida “auris (*Latin for ear*)”, as it was discovered in the ear canal of a Japanese patient in 2009.

Hypochlorous acid (HOCl) is highly effective against a broad spectrum of pathogens, including bacteria, viruses, fungi (i.e., C. Auris), and spores.

According to cited data by the Center for Disease Control (CDC)¹:

“[...] The microbicidal activity of a new disinfectant, “superoxidized water,” has been examined. The concept of electrolyzing saline to create a disinfectant or antiseptics is appealing because the basic materials of saline and electricity are inexpensive and the end product (i.e., water) does not damage the environment. The main products of this water are hypochlorous acid (e.g., at a concentration of about 144 mg/L) and chlorine. As with any germicide, the antimicrobial activity of superoxidized water is strongly affected by the concentration of the active ingredient (available free chlorine) [...]”

“[...] Chlorine (500 ppm) showed inhibition of Candida after 30 seconds of exposure [...]”

Additionally, the U.S. Environmental Protection Agency (EPA) and the Center for Disease Control (CDC) have issued guidance for disinfecting C. auris. That is, a product can be used as long as the registration and/or corresponding supporting data demonstrate either a C. Auris claim or sporicidal claim in relation to effectiveness against Clostridioides Difficile (formerly Clostridium Difficile) or C. Diff.^{2,3}

Hypochlorous acid (HOCl), at the proper concentration, is an effective disinfectant that can be used to control the spread of Candida auris, especially in healthcare settings where the risk of transmission is high. All the data and guidance considered from the CDC and EPA, HOCl at 500PPM generated from our on-site generators can be used to combat C. Auris.

Sincerely,

Steve Kubec

Steve Kubec
Vice President, MicroShield 360

¹<https://www.cdc.gov/infectioncontrol/guidelines/disinfection/disinfection-methods/chemical.html>

²<https://www.epa.gov/pesticides/candida-auris-guidance-and-methods-antimicrobial-efficacy-testing>

³<https://www.epa.gov/pesticide-registration/guidance-efficacy-evaluation-products-claims-against-drug-resistant-candida>