

Cleaning Guidance for the Humphrey Field Analyzer (HFA)



During this COVID-19 pandemic, careful sanitization is critical for the safety of patients and caregivers. The cleaning of Humphrey® perimeters is unique because of the delicate surfaces of the perimeter's bowl and optics. This document provides updated guidance on how to treat the Humphrey perimeter for patient safety during visual field examinations. Guidance is provided on how to clean the bowl, should the clinic determine that such cleaning is desired.



Seeing beyond

COVID-19 Memo

As of May 1, 2020, our updated guidance is as follows:

Ventilation guidance

- The HFA2, HFA2-i, and HFA3 perimeters all have fans which circulate air, so that the air in the bowl is exchanged through the front of the bowl. This circulation, which occurs continuously while the HFA instrument is powered up, pushes air past the patient and out of the bowl of all HFA 2-i and HFA3 models. Minimal filtering occurs.
- The perimeter does not require complete darkness to operate and is designed to notify the user if the room is too bright. Thus, it is possible to leave testing room doors partially or even completely open if you wish to increase the flow of fresh air into the testing area. Avoid any light shining directly into the bowl.

Conforming to Clinic Policy and Public Health Guidelines

- Follow local public health department infection control guidelines such as the U.S. CDC (<https://www.cdc.gov/infectioncontrol>), or in Europe - the European Center for Disease Prevention and Control (<https://www.ecdc.europa.eu/en>) for instruments in general.
- In concordance with CDC and local government agency recommendations, the use of face coverings, to mitigate the spread of disease via exhaled airborne particles can be used during testing. Please observe all recommendations from your local and national authorities and other relevant good hygiene practices.

Cleaning the HFA

- Between each patient use, all patient and technician interface surfaces, **excluding the bowl**, may be wiped down using isopropyl alcohol. These include the eyepatch, patient chinrest, headrest, patient response button, trial lens holder and trial lenses, as well as all technician user interfaces.
- If there is a desire to clean the bowl of the HFA, the bowl surface may be treated by spraying it with a 70% isopropyl alcohol (IPA) solution. An atomizing type sprayer is necessary to avoid drips and to achieve good coverage.

The Bowl Itself:

- Do not rub anything onto the bowl, as this may damage the surface.
- Before the bowl is sprayed, the trial lens holder will need to be retracted and covered with a folded paper and the light projection turret at the top of the bowl will need to be covered with a folded paper. Spray until the bowl surface appears wet, but before drips form. Then, allow the bowl to air dry; any drips should be gently captured with a lens tissue.
- The use of UV-C light to sanitize the bowl **should be avoided** because the exposure limits of HFA family optics have not yet been assessed.



Frequently Asked Questions

- **How do I set up my Visual Field room with the door open so that I still get an accurate test result?**
The HFA calibrates itself before and during each test. Typically, if the HFA instrument is oriented so that there is no direct or bright reflected source of light behind the patient, the test should operate properly. Over-head lights should be left off. As a result, the testing room door may be left somewhat open or completely open depending on the brightness conditions outside the testing room. The HFA will give a message if lighting is too bright.
- **Can you provide an example of a fine-misting sprayer?**
The choice that ZEISS evaluated can be found on Amazon here: [360 Mist Sprayer](#)
Many other similar devices are readily available.
- **My bowl surface looks dusty. How can I clean it?**
Follow the HFA Instructions for Use, which describes that occasional wiping with a soft cloth and isopropyl alcohol may be performed.
- **My patients will be wearing masks in the clinic. How do I ensure that this does not interfere with the visual field test?**
Check to ensure that the trial lens is not being fogged by the patient. Check that the top of the patient's mask is properly fitted to limit breath from moving out the top of the mask.

For additional questions, please contact ZEISS Customer Care:

International Headquarters, Germany: info.meditec@zeiss.com

USA offices: 1.800.341.6968 or info.meditec@zeiss.com

Visit our COVID-19 Med Support Now website for additional resources:

www.zeiss.com/med-support-now