

Advisory Notice on COVID-19 – Cleaning and Disinfection Instructions

Benchtop Fundus Cameras

This information is intended to be used for cleaning and disinfection of 3nethra Benchtop Fundus Cameras during and after the COVID-19 pandemic. These recommendations are intended to minimize the risk of transmission of COVID-19 when using the devices for adult fundus imaging. The procedures were written taking into account the current and limited knowledge of the nature of COVID-19 transmission among human beings.



Precautions to be followed for cleaning the device

- **Do not** rub the dusty front lens surface, as doing so may scratch the surface of the lens
- **Do not** bring the air blower in contact with the front lens, as doing so may scratch the surface of the lens
- **Do not** use any cleaning or disinfectant solution as a spray
- **Do not** clean the front lens surface with any cleaning agent. It may damage the lens coating
- **Do not** spray water, bleach, or detergent liquid on the case or other parts of the device, as droplets can go inside the device and affect the functionality
- Turn off the main power, disconnect the power cable from the main switch and the device
- When using wet wipes, make sure to wring the solution out before cleaning
- Wipe and clean the parts gently
- While cleaning make sure no solution penetrates into the product

Cleaning agents recommended

Alcohol:

- **70% Isopropanol (IPA)**
- **70% Ethanol**

The materials described in the table are the key components of the fundus cameras manufactured by Forus Health and are compatible with the cleaning agents recommended in this procedure.

Device parts	Outer casing	Front facia	Back facia	Chinrest	Joystick	Hand rest	Headrest	Camera mount locking pin	Fixation LED	Focus knob & Filter plate
Materials	ABS	ABS / PC resin	ABS	TPE (RTP)	Steel / Rubber	Nylon	TPE (RTP)	Steel	Aluminium / Derlin	Aluminium / Derlin
Compatibility with recommended alcohol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The benchtop fundus cameras manufactured by Forus Health are -

3nethra classic – non-mydriatic fundus camera

3nethra classic HD – non-mydriatic fundus camera and dry eye imaging

3nethra flora – mydriatic fundus camera and FFA

Instructions for cleaning

CAUTION: Ensure that the front lens is free of stains and dust. Avoid touching the front lens to prevent fingerprints on the lens. **Do not** use any liquid to clean the front lens surface.

- 1) Blow off the dust and dirt on the front lens surface with an air blower or clean the front lens surface using a lint-free cloth
- 2) Fingerprints and oil spots on the surface can be cleaned by a lint-free cloth. Lightly wipe the objective lens spirally from the center to outwards. Continue until the stains have been completely removed
- 3) Clean all the other outer parts of the device with 70% IPA/Ethanol swabs or lint-free wipes soaked in 70% IPA/Ethanol for at least 1 minute. Make sure the surface is visibly wet
- 4) Let the surface be air dried for at least 30 seconds or until there is no wetness on the surface before screening the patient
- 5) Clean the **chinrest, chinrest adjuster, forehead rest, handles, and front fascia** with 70% IPA/Ethanol before and after imaging patients. This is intended to minimize the risk of transmission of COVID-19 at the time of fundus imaging



Figure 1: Components of 3nethra fundus camera

Reference for additional information

Forus Health recommends following the COVID-19 updates released by WHO and CDC for ophthalmologists. The information is available at:

<https://www.aao.org/headline/alert-important-coronavirus-context>

Service and support

If you have any additional queries, contact the regional Forus Health distributor or Forus Health directly on the below-listed toll-free number or email ID.

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