

Keeler PachPen[®]

Cleaning Instructions

Pre-Cleaning

1. Wear protective gloves when performing the cleaning process.
2. Use a soft cloth lightly dampened in a mild soap or compatible cleaning solution to remove any particulate matter or body fluids that remain on the probe or cable.
3. To remove remaining particulates, rinse with a water-dampened cloth to remove soap residue, and then wipe with a dry cloth.

Safety Precautions

There are several areas in the use of the Keeler PachPen that require special attention, as they may pose a safety threat.

NOTE: DO NOT AUTOCLAVE.

NOTE: DO NOT IMMERSE THE ENTIRE PACHPEN IN ANY LIQUID. ALLOW TO DRY BEFORE USE.

Disinfection and Cleaning

Disinfection issues are confined to the Keeler probe that comes in contact with the patient's eye. In order to prevent the transmission of disease, refer to the OSHA and CDC guidelines for proper control of disinfection. These guidelines are frequently updated so be sure to contact OSHA, CDC, or your local disease control for the latest information and disinfection technique.

Accessories such as the extension handle or Goldman Tonometer Adapter which might come in contact with eye fluids should be cleaned with an FDA cleared high level disinfectant.

The probe must be cleaned between patients to prevent patient-to-patient transfer of infection. It is the user's responsibility to ensure that the relevant standards are maintained and that the products and procedures are effective and appropriate for ophthalmic applications. The following information is provided for the guidance of users, and specific products are mentioned for illustration only. Keeler does not endorse the use of these or any other product. Products must be used in accordance with the manufacturer's instructions.

OPTION 1: DISINFECTION OF THE PROBE WITH ALCOHOL:

One recommended disinfection technique is to clean the probe assembly with 70% isopropyl alcohol. It is imperative that the alcohol be given to time to evaporate before applying a probe to that patient's eye.

A 5–10-minute exposure is recommended.

NOTE: DO NOT COMPLETELY IMMERSE THE PROBE OR CABLE, ONLY THE TIP OF THE PROBE SHOULD BE PLACED IN THE SOLUTION.

After cleaning, rinse the end of the probe and accessories thoroughly with distilled water to remove all traces of the liquid used. Surfaces should then be dried with a lint-free cloth.

OPTION 2: HIGH- LEVEL DISINFECTION OF THE PROBE

If high level disinfection is required by your facility, the probe may be cleaned using an FDA cleared high level disinfectant, such as Cidex® Activated Dialdehyde Solution using the following instructions:

1. Use Personal Protective Equipment

When handling disinfectants the user should always wear appropriate safety gear. Be sure to wear protective equipment, including nitrile gloves, fluid repelling gown and eye protection at all times when handling high-level disinfectants and contaminated instruments. Cidex OPA Solution can discolor skin or stain clothing. If your skin comes in contact with Cidex OPA Solution, wash thoroughly with soap and water. Any discoloration of skin is temporary and should disappear within 1 to 2 days. Check the Cidex OPA Solution labeling for further information on protective measures.

2. Pre-Cleaning

- Wear protective gloves when performing the cleaning process.
- Use a soft cloth lightly dampened in a mild soap or compatible cleaning solution to remove any particulate matter or body fluids that remain on the probe or cable.
- To remove remaining particulates, rinse with a water-dampened cloth to remove soap residue, and then wipe with a dry cloth.

3. Using Cidex Opa Solution

After pre-cleaning the probe tip, it is ready for high level disinfection. Cidex OPA Solution can be used to disinfect all semi-critical medical devices, which all Keeler Ophthalmic Ultrasound probes are classified. Cidex OPA Solution carries an unopened shelf life of two years. After opening, the solution remaining in the original container may be stored for up to 75 days. When the container is first opened, be sure to record the date on the container label and in a log book. The solution placed in a vessel or basin (secondary container) must be discarded after 14 days even if a Cidex OPA Solution Test Strip indicates a concentration above the 0.3% minimum recommended concentration (MRC).

4. High Level Disinfection

After verifying the MRC with a Cidex OPA Solution Test Strip, Cidex OPA Solution can be used for disinfecting.

Immerse the pre-cleaned and dried probe tip in Cidex OPA Solution, being certain that only the probe tip is immersed in the solution. Soak the probe tip in Cidex OPA Solution for 12 minutes at a minimum temperature of 20°C (68°F) or higher to destroy all microorganisms.

Remove the probe from the solution and rinse thoroughly following the rinsing instructions below.

5. Rinsing Instruments

After removing the probe tip from the Cidex OPA Solution, thoroughly rinse the device by immersing the probe tip in fresh water. Use sterile water unless potable water is acceptable (depends upon the intended use of the device). Keep the probe tip totally immersed for a minimum of one minute.

Repeat the procedure TWO additional times for a total of THREE rinses.

6. Drying Instruments

After rinsing, dry the wet probe with air. Disinfected equipment should be used as soon as possible or stored in a manner to minimize the possibility of recontamination. Refer to the user manual for additional drying instructions.

7. Disposal Of Disinfectant

Discard residual and used Cidex OPA solution in accordance with federal, state and local regulations, per hospital policy.

Follow the instructions on the label of the disinfectants.

Disinfection issues are confined to the probe tip that comes in contact with the patient's eye. In order to prevent the transmission of disease, refer to the OSHA and CDC guidelines for proper control of disinfection. These guidelines are frequently updated so be sure to contact OSHA, CDC, or your local disease control for the latest information and disinfection technique.

NOTE: BE SURE TO FOLLOW THE MANUFACTURER'S WRITTEN PROTOCOL WHEN USING ANY ANTIBACTERIAL SOLUTION, INCLUDING HIGH LEVEL DISINFECTANTS.

When the unit needs cleaning, use only a damp, soft, lint-free cloth. Do not pour or spray any liquids or cleaning onto the unit at any time. The damp, lint-free cloth may contain mild soap if necessary. Gently wipe down the instrument surfaces and component cables as needed. Allow the unit to completely dry before using again.

Please contact Keeler at 800.523.5620 or www.keelerusa.com for assistance with cleaning and disinfection.