CARE AND MAINTENANCE OF

PROPPER FIBER OPTIC LARYNGOSCOPES

Laryngoscopes should be cleaned immediately after use to prevent the formation of dry sediments on the instruments.

I. BLADES

Pre-treatment

Follow point-of-use care and handling, transportation, and pre-soaking practices recommended in ANSI/AAMI ST79:2017 to loosen soil and prevent drying of biological material on laryngoscopes. Residual soil can corrode and damage instruments. Point-of-use care also prevents the need to use harsh chemicals and forceful cleaning processes which may damage the laryngoscope surface.

Manual Cleaning and Disinfection

Wash with a soft brush. Only use an FDA approved disinfectant that is warranted by the manufacturer for use with fiber optic and stainless steel instruments. Adhere strictly to manufacturer's instructions regarding concentration and duration. The solutions should be replaced regularly since the risk of corrosion increases with standing time and contamination of solution. A maximum immersion time of 60 minutes must not be exceeded. After disinfection, rinse with deionized water and wipe dry with a cotton cloth. Excessive mechanical actions or use of abrasive materials may damage the laryngoscope's surface.

Machine Cleaning and Disinfection

The manufacturer's instructions regarding duration, temperature and concentration of chemicals must be followed. Temperature should not exceed 93°C (200°F).

Pasteurization

Propper laryngoscope blades may be pasteurized. The typical pasteurization process parameters, recommended by the CDC, are 70°C (158°F) with a 30 minute exposure. If a pasteurization machine is used, adhere strictly to the manufacturer's instructions. Pasteurization does not kill bacterial spores.

Sterilization

Propper laryngoscope blades may be sterilized using the Sterrad® sterilization system[1]. EO gas sterilization may be used as well. Steam sterilization: After cleaning, blades should be wrapped then sterilized in gravity displacement autoclaves at 121°C (250°F) for 30 minutes, or in pre-vacuum sterilizers at 132°C (270°F) for 4 minutes. Allow laryngoscopes to cool down slowly.

- Do not use halogen bearing solutions (i.e. iodophor liquids), dry heat or immediate use (flash) sterilization.

II. HANDLES

Please note that laryngoscope handles are considered contaminated after use and must be processed prior to use on the next patient. After processing according to the model-specific instructions below, proceed with appropriate rinsing, drying, and packaging, taking care not to contaminate the disinfected items in the process.

"AA" and "C" Size Handles

(Reorder# 19958200, 19958300, 19915000 and 19915200)

Disassembly and Cleaning

1. Rotate bottom cap to remove battery compartment assembly from handle. A wipe, cotton ball or cloth soaked in a disinfectant suitable for use with metallic surfaces, such as alcohol in a concentration of 70%, may be used on compartment assembly of the handle. The disinfectant manufacturer's recommendations for use must be followed to avoid material damage/corrosion.

- Do not use 96% alcohol concentrations.
- Do not sterilize battery compartment.
- Do not reinsert battery compartment into handle while wet.

2. The outer shell with hook head should be rinsed in clean tap water to remove any residue. Soaking in soapy water or detergent suitable for plated metal instruments is permitted. Follow the detergent's instructions for concentration and exposure. However, do not use an extended time exposure, such as overnight soaking. The hook head can be removed to facilitate cleaning around green ring. The outer shell and hook head should be gently scrubbed in soapy water with a soft brush. After cleaning, thoroughly rinse the blade and dry using a soft cloth. If a machine washer or chemical cleaner is used, adhere to manufacturer's instructions regarding concentration of chemicals and duration recommended for plated metal instruments.

Sterilization or Disinfection

3a. Once the handle's outer shell and hook head have been cleaned, they may be sterilized with Steris®, Sterrad®, EO Gas or Steam sterilization[1,2]. For steam sterilization the handle parts should be wrapped then sterilized in gravity displacement autoclaves at 121°C (250°F) for 30 minutes, or in pre-vacuum sterilizers at 132°C (270°F) for 4 minutes. Allow handle parts to cool down slowly.

- Do not use halogen bearing solutions or dry heat sterilization.

3b. Alternatively, disinfect the outer shell with hook head at temperatures up to 93°C (200°F).

Reassembly

4. Re-assemble the handle and check for illumination by pressing on the contact plunger on the hook head.

"Stubby" Handle

(Reorder# 19957800 and 19958100)

Outer Shell | Battery Compartment | Light Switch | Hook Head

Disassembly and Cleaning

1. Unscrew the hook head and remove the batteries and light switch with LED source from the handle.

2. The outer shell with bottom cap and hook head should be rinsed in clean tap water to remove any residue. Soaking in a soapy water or detergent suitable for plated metal instruments is permitted. Follow the detergent's instructions for concentration and exposure times. However, do not use extended time exposure, such as overnight soaking. Then, the bottom cap, outer shell and hook head should be gently scrubbed in soapy water with a soft brush. After cleaning, thoroughly rinse then dry using a soft cloth. If a machine washer or chemical cleaner is used, adhere to manufacturer's instructions regarding concentration of chemicals and duration recommended for plated metal instruments.

Sterilization or Disinfection

3a. Once the outer shell with the bottom cap and hook head have been cleaned, they may be sterilized with Steris®, Sterrad® or EO Gas sterilization[1,2]. For Steam sterilization, the hook head only should be wrapped then sterilized in gravity displacement autoclaves at 121°C (250°F) for 30 minutes, or in pre-vacuum sterilizers at 132°C (270°F) for 4 minutes. Allow hook head to cool down slowly.

- Do not use any halogen bearing solutions or dry heat sterilization.

3b. Alternatively, disinfect the outer shell with the bottom cap and hook head at temperatures up to 93°C (200°F).

Reassembly

4. Re-assemble the handle and check for illumination by pressing on the light contact plunger on the hook head.

Disclaimer: The laryngoscope blades are matte polished and handles are plated to improve the surface quality. Deep etching, mechanical impacts, excessive force used in manual cleaning, especially from dried biological materials, deviations from the recommended point-of-use care, disinfection and sterilization procedures may result in damage to the instrument surface.

For further information, contact your Sales Representative, or call Propper (718) 392-6650
Propper Manufacturing scientists are available to answer your questions from 9 a.m. to 5 p.m. EST.
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[1] Sterrad is a registered trademark in the USA of Johnson & Johnson.
[2] Steris is a registered trademark in the USA of Steris Corporation.