

## USER INSTRUCTIONS

### Warnings and Cautions

- It is the users' responsibility to read and understand these instructions prior to use of Truphatek laryngoscope blades and handles.
- Tracheal intubation requires specialized training. Only personnel who have received such training should be authorized to use laryngoscopes.
- Any piece of medical equipment may transmit infection from patient to patient. Appropriate measures must be taken to clean, disinfect and sterilize reusable laryngoscope blades between patients and to maintain them in a clean state.
- Do not attempt to use any laryngoscope unless pre-use checks as described below have been carried out successfully.

### Operating Instructions

Attach laryngoscope blade to the compatible handle. Ensure blade is fitted firmly onto the handle and is clicked into place.  
Switch *On* - Pull blade UP. Laryngoscope lamp will light up automatically.  
Switch *Off* - Move blade DOWN. Lamp will automatically turn off.

### Pre-use checks prior to commencing an intubation procedure:

- Check blade for sharp edges or flaws that may have resulted from mechanical damage.
  - Ensure bulb or FibreClip™ are attached securely to blade.
  - Ensure blade is securely and correctly clicked into place on the handle.
  - Switch *On* blade (see above) to check light intensity.
  - Insufficient or flickering light may indicate batteries or FibreClip™ require changing. (see below). No light may indicate bulb needs replacing (see below).
- Note:** Bulbs on conventional type laryngoscope blades, if left illuminated in an exposed position, may generate heat sufficient to burn human tissue.

### Instructions for use of the Shucman-Pro™ and Green Spec Pro™ Fibre Optic Laryngoscope blade.

- Perform pre-use inspection as above. In addition, check the proper operation of the movable-tip by pressing on the actuating lever.
- Insertion - Do not operate the movable-tip with the actuating lever until the laryngoscope has been inserted into the vallecula.
- Once inserted, pressing the actuating lever will actuate the movable-tip and will elevate the epiglottis without need of additional force.

### FibreClip™ Fibre Optic bundle assembly in Green Spec 2™ & Shucman 2™ laryngoscope blades (See pictures on back flap)

- Disengage laryngoscope blade from handle.
- With thumb, push FibreClip™ in an outward direction away from the base of the blade (1) until the FibreClip™ separates from the blade (2).
- First, place tip of FibreClip™ into the opening on the blade (3).
- Then press base of FibreClip™ into recess on the base of the blade, ensuring it is firmly secured (4).
- Always perform pre-use check after cleaning or replacement of FibreClip™ to ensure proper performance of the blade.

### Battery replacement in all Mini, Medium and Stubby handles (drawing A1)

- Unscrew cap of laryngoscope handle and remove used batteries.
- Fit new alkaline batteries into handle, ensuring correct size and polarity orientation of the batteries.
- Rescrew cap.
- Attach and switch *On* blade to test light performance
- Discard used or defective batteries in appropriate waste disposal receptacle. Do not incinerate.

### Bulb change instructions:

#### For Equip™ conventional laryngoscope blades

- Grip blade and unscrew bulb. Discard.
- Screw in new bulb and secure tightly.
- Clean any dirt or fingerprints from the bulb with a soft cloth or cotton ball moistened in alcohol. Carry out pre-use checks (see above).

#### Bulb change instructions for Shucman 2™ Fibre Optic laryngoscope blades

- Replace entire used FibreClip™ (see assembly instructions above).

#### Bulb change instructions for Shucman-Pro™ Fibre Optic laryngoscope blades (drawing C1)

- Carefully unscrew the gold plated bulb holder from the rear end of the blade block using a flat blade screwdriver or suitable coin.
- Gently remove the bulb holder assembly taking care not to damage the silicon 'O' ring seals or protective gold plating.
- Grasp the white plastic portion of the bulb holder and unscrew the gold plated bulb. Discard bulb.
- Screw replacement bulb into the white plastic bulb holder.
- Slightly lubricate the 'O' ring with silicone grease or vaseline
- Screw the bulb holder assembly back into the blade block. Do not over-tighten.
- Carry out pre-use checks (see above).

#### Bulb change instructions for Green SpeX™ handles (drawing D1)

- Unscrew top of Green SpeX™ handle to reveal outer bulb holder assembly in the top of the handle.
- Unscrew outer cartridge to reveal bulb at tip of bulb holder.
- Unscrew used bulb and discard.
- Screw new bulb in tightly.
- Screw the outer cartridge back into the top of the handle.
- Screw top back onto handle ensuring complete and secure closure.
- Attach blade and switch *On* to test performance.

## ROUTINE CARE AND MAINTENANCE

- Reusable laryngoscope blades and handles should always be cleaned and thoroughly dried before storing in a dry place.
- Batteries should be removed from handles when they are not required for use to avoid possible leakage of corrosive materials which may damage handle.

## CLEANING, DISINFECTION AND STERILIZATION

ALWAYS COMPLY WITH LOCAL HEALTH & SAFETY REGULATIONS.  
WHEN USING DISINFECTANT OR STERILISING SOLUTIONS, ALWAYS OBSERVE MANUFACTURERS' RECOMMENDATIONS FOR CONCENTRATIONS AND TIMES.

**Reusable Laryngoscope Blades: Equip™ conventional blades; Shucman 2™ and Shucman-Pro™ Fibre Optic blades; Green Spec 2™ and Green Spec Pro™ Fibre Optic blades.**

### Cleaning

- Immediately after use, blades should be rinsed in clean tap water to remove any residue.
  - External surfaces should be gently scrubbed in soapy water with a soft brush to prevent encrusted deposits.
  - Do not use abrasive materials such as steel wool.
  - Rinse blades and dry thoroughly.
  - Replaceable FibreClip™ Fibre optic bundles may be disassembled for easy cleaning and disinfecting.
  - They should always be thoroughly dried and reassembled into the blade prior to storage.
- WARNING:** Ultrasonic cleaning is not recommended and will void warranty.

### Disinfection

Blades are compatible with treatment in Thermal Disinfectors

- Use a suitable hospital disinfectant.
- Follow the manufacturer's guidelines for recommended exposure times and solution strengths.
- Do not use chemical sterilants containing caustic ingredients such as povidone-iodine solutions, bleach, peroxide solutions, sodium hypochlorite etc. which can cause irreparable damage to the instrument.
- After exposure to the solution, rinse the blade with warm water and dry thoroughly before sterilization.

### Sterilization

- Blades may be autoclaved up to a maximum of 138°C for periods in compliance with nationally recommended time periods for autoclaving.
- Truphatek products are suitable for sterilization by Ethylene Oxide (ETO), Steris® or Sterrad® sterilization procedures.

### Note:

- DO NOT FLASH AUTOCLAVE - this will void warranty.
- Repeated autoclaving may reduce light transmission and life expectancy of fibre optic laryngoscope blades.

### Laryngoscope Handles

UltraSafe™ conventional handles  
Dolphin™ waterproof conventional handles  
Green SpeX™ fibre optic handles  
UltraSafe™ conventional handles

- Remove batteries.
- Clean and disinfect externally with a cloth dampened with soapy water, alcohol or disinfectant solutions described above for blades.
- Rinse and dry thoroughly inside and out before replacing batteries or storage.
- UltraSafe™ handles are suitable for treatment in thermal disinfectors and for sterilization by Ethylene Oxide (ETO), Steris® and Sterrad® sterilization procedures.
- Do not autoclave.

### Dolphin™ waterproof conventional handles

#### Cleaning and Disinfection:

- May be immersed in solution with the batteries inside.
- Clean and disinfect according to procedures described as for blades above.

### Sterilization:

- Remove batteries prior to autoclaving or sterilization procedures involving vacuum cycles, pressure or heat.
- Dolphin™ handles are suitable for treatment in thermal disinfectors and for sterilization by Ethylene Oxide (ETO), Steris® and Sterrad® sterilization procedures.
- May be autoclaved without batteries according to nationally recommended parameters for temperatures and time periods.

**Note:** Routine use of silicone grease on the O-ring seals will extend the life of the Dolphin™ handle.

### Green SpeX™ fibre optic handles

- Remove bulb holder assembly and batteries prior to cleaning and disinfecting.
- Clean and disinfect externally with a cloth dampened with soapy water, alcohol or disinfectant solutions described above for blades.
- Rinse and dry thoroughly inside and out.
- Replace bulb holder assembly prior to storage.
- Green SpeX™ handles are suitable for treatment in thermal disinfectors and for sterilization by Ethylene Oxide (ETO), Steris® and Sterrad® sterilization procedures.
- Do not autoclave.

### FibreClip Bundle

#### Cleaning and Sterilization:

- The FibreClip™ can be cleaned in soapy water and disinfected in suitable hospital disinfecting agents. FibreClip™ is compatible with treatment in Thermal Disinfectors and with sterilization by autoclave, ETO, Steris® or Sterrad® sterilization procedures.
- Certain hospital detergents and disinfectants used in the above procedures can cause accumulation of residue on the tips of the FibreClip™ which may be detrimental to the performance and life expectancy of the FibreClip™.
- In such cases, it is recommended to use a non-abrasive material with ethanol or other non-acidic cleaning solutions to wipe off the residue from both ends of the FibreClip™ to prevent residue build-up on the tips of the bundle.
- Protect from scratches.
- Ultrasonic cleaning and "flash" autoclaving are not recommended and will void warranty.
- Repeated autoclaving may reduce light transmission and the life expectancy of the FibreClip™.

Thank you for purchasing Truphatek products. Proper care, maintenance and the use of only Truphatek spare parts, accessories and bulbs will ensure the long life and satisfactory performance of your purchase.

Whilst every care is taken to ensure the accuracy of these instructions we reserve the right to make modifications and improvements as we deem necessary in the interest of our customers.

Truphatek laryngoscope blades and handles carry a 5 year warranty on all stainless steel parts against defects in manufacture and materials. FibreClip™ replaceable fibre-optic bundles are guaranteed to perform for a period of 12 months from date of manufacture. Full text of the Truphatek warranty and further information about Truphatek products are available on our website [www.truphatek.com](http://www.truphatek.com) or through our Customer Service desk at [helpdesk@truphatek.com](mailto:helpdesk@truphatek.com).

**Note:** Truphatek™, Green Spec 2™, Shucman-Pro™, Shucman 2™, FibreClip™, LiteBlade™, LiteBlade Slims™, Dolphin™, UltraSafe™ are trademarks of Truphatek International Ltd. and are not to be used without written permission. Registered patents cover Shucman™ and Lite Blade™ and FibreClip™ designs.