HEBU medical

HL4849-02

Ellik-Evacuator

Cleaning, disinfection and sterilization instructions



Operating Manual
Page 3

ENGLISH

Contents

1 Cleaning and care 4
2 Warnings 4
3 Preparation of the plasic parts 4
3.1 Manual Cleaning 4
3.2 Manual Disinfection 4
4 Preparation of the glas box and tube connector 5
4.1 Presoak 5
4.1.1 Rinse 5
4.1.2 Disinfect 5
4.2 Manual Cleaning 5
4.3 Machine reprocessing 5
4.3.1 Disinfect 6
4.3.2 Dry 6
4.3.3 Automatic washers 6
5 Sterilization 6
6 Assembly information after Claning & Sterilization 7
7 Manufacturer and servicing address 7

1 Cleaning and care

Every instrument must be cleaned and sterilized before being used for the first time and after each subsequent use to help ensure safety and efficacy.

2 Warnings

- Never hold used instruments in a dry container as it allows blood and debris to dry onto instrument surfaces, making cleaning difficult.
- If rinsing and decontamination aren't immediately available, pre-treat instruments or hold them in a neutral pH holding/presoak enzymatic solution after patient use, but before actual cleaning.
- Disinfected instruments are NOT sterile. Never expose stainless steel instruments to bleach or other corrosive chemicals to disinfect. Exposure to bleach may result in instrument pitting and will void all manufacturer guarantees.
- No matter the cleaning method, re-inspect all internal chamber and crevices after cleaning to verify that all surfaces are clean of all foreign materials including tissue particles.

3 Preparation of the plasic parts

Plastic parts must only be cleaned manually.

3.1 Manual Cleaning

- Clean the plastic parts and the attachment with plenty of water and a little soapy water.
- We recommend using a 0.8% Cidezyme/Enzol or Mucadont Zymatktib cleaning solution.
- Then rinse thotoughly with plenty of water.

3.2 Manual Disinfection

- Do NOT use alcohol-based disinfectants, oils, greases, solvents, or acids on the plastic parts. These can damage the product.
- For wipe disinfection, we recommend an aldehyde- and alcohol-free surface disinfectant.
- Brief boiling is possible. To do this, place all parts in a pot of boiling water (max. 3 min). Make sure all parts are completely submerged in water.
- Prolonged exposure to temperatures above 80°C/176°F can damage the material.
- Do NOT sterilize the plastic parts!

4 Preparation of the glas box and tube connector

4.1 Presoak

As soon as possible, rinse, disinfect and clean as follows:

4.1.1 Rinse

- Immediately after surgery, remove organic materials by rinsing instruments under warm (not hot) running water.
- Rinse should remove most blood fluids and tissue.
- Don’t process dissimilar metals (stainless, copper, chrome plated, etc.) together.
- Always wear safety protection gear.

4.1.2 Disinfect

- To protect medical personnel from contamination during cleaning, immerse instruments completely in an EPA-approved disinfectant for approximately 10–20 minutes.
- Always closely follow manufacturers’ recommended disinfecting time and solution preparation instructions. Then rinse again.

4.2 Manual Cleaning

Prepare a cleaning bath according to the manufacturer’s instructions.

1. Rinse products with cold water (<40°C/105°F) until all visible accumulations of dirt have been removed. Remove stuck dirt by using a soft brush.
2. Completely submerge products in the prepared cleaning bath. Observe time according to the manufacturer’s instructions.
3. Clean the instruments in the bath manually using a soft brush. Brush all surfaces several times.
4. For tube channels: Push the brush in and out of the tubes at least six times. Rinse tubes with DI water. Repeat.
5. Rinse products thoroughly with DI water to remove the cleaning agents without residue.

4.3 Machine reprocessing

Place instruments in a basket on the insert module or on the inserts of the MIS module and start the cleaning process.

1. Pre-rinse for one minute with cold water.
2. Discharge
3. Pre-rinse for three minutes with cold water.
4. Discharge
5. Wash for five minutes at 55°C/131°C with a 0.5% alkaline or at 45°C/113°F with an enzymatic cleaning agent.
6. Discharge
7. Neutralize for two minutes with warm tap water (>40°C/105°F) and a neutralizing agent.
8. Discharge
9. Rinse for 2 minutes with warm tap water (>40°C/105°F).
10. Discharge

4.3.1 Disinfect

- Machine-operated, thermal disinfection must be carried out in consideration of the National requirements in regard to the A0 Valve (See ISO15883).
- To protect medical personnel from contamination during cleaning immerse instruments completely in an approved disinfectant for 10–20 minutes.
- Always closely follow manufacturer's recommendations for disinfecting time and solution preparation instructions.
- Rinse again

4.3.2 Dry

- Dry the outside of instruments by carrying out a drying cycle of the cleaning/disinfection machine.
- If necessary, manual drying may additionally be carried out using a lint-free cloth.
- Dry cavities by blowing with sterile compressed air.

4.3.3 Automatic washers

- Follow manufacturer recommendations.

5 Sterilization

Do **NOT** sterilize the plastic parts!

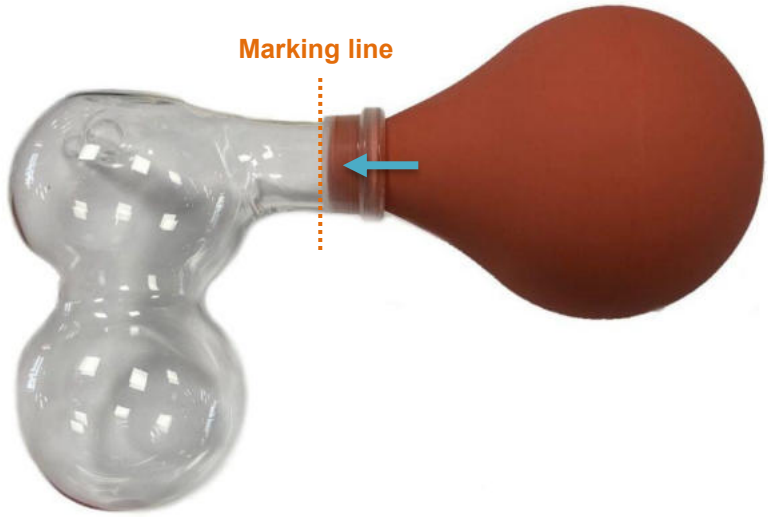
Steam autoclaving
Make certain that instruments are individually wrapped or sealed in a sterile pack.
Other metal objects should never come in contact with the insulating material or forceps and handles, or with RF-connection cables.

Cycle	Sterilizing Temp.	Sterilizing Time	Drying Time
Pre-vacuum	134°C/273°F (USA 132°C/270°F)	3 minutes	20 minutes

6 Assembly information after Claning & Sterilization

When assembling the components, ensure that the ball is inserted up to the marking line on the glass box.





7 Manufacturer and servicing address

HEBUmedical GmbH
Badstraße 8
78532 Tuttlingen / Germany
Tel. +49 7461 94 71 - 0
eMail: service@HEBUmedical.de
Web: www.HEBUmedical.de

CE

Unser umfangreiches Sortiment umfasst
über 10 000 verschiedene Instrumente.
Besuchen Sie uns im Internet oder fordern Sie unseren Katalog an.

Our vast range of products covers over 10 000 various instruments.
They can be found in Internet or request our catalog.

Notre assortiment complet comprend plus de 10 000 instruments differents. Vous le trouverez sur Internet. Ou bien demandez notre catalogue.

Nuestro amplio instrumental consta de más de 10 000 artículos diferentes. Usted puede visitarnos en Internet
o solicitar nuestro catálogo.

Il nostro assortimento comprende più di 10000 strumenti differente.
Lei ci può vistare in Internet
o chieda il nostro catalogo.

HEBUmedical GmbH
Badstraße 8 • 78532 Tuttlingen / Germany
Tel. +49 (0) 7461 94 71 - 0
info@HEBUmedical.de • www.HEBUmedical.de