

# Care of the device

## Cleaning

### Cleaning the optical surfaces

The multilayer T\* super anti-reflection coating of the optical components (e.g. eyepieces, objective lenses) ensures optimum image quality. Even slight contamination or a single fingerprint reduces image quality. To protect the internal optics from dust, the system should never be left without the objective lens, binocular tube and eyepieces. After use, cover the device to protect it from dust. Always store additional objective lenses, eyepieces, and accessories in dust-free cases when they are not being used.

Clean the outer surfaces of optical components (eyepieces, objective lenses) only as required:

- Do not use any chemical agents.
- Remove dust from the optical surfaces using a squeeze blower or a clean, grease-free brush.

For regular cleaning of the surgical microscope's objective lenses and eyepieces, we recommend using the optics cleaning kit available from ZEISS. For the catalog number, please see the section "System data – Ordering data".

### Fogging of optical surfaces

To protect the eyepiece optics from fogging, we recommend using an anti-fogging agent. Anti-fogging agents provided by eyecare professionals for use with eyeglass lenses are also suitable for Zeiss eyepieces.



- Observe the Instructions for Use pertaining to the anti-fogging agent concerned.

An anti-fogging agent does not ensure fog-free eyepiece optics. It cleans eyepiece optics and protects them against dirt, grease, dust, lint, and fingerprints.

### Cleaning the mechanical surfaces

All of the system's mechanical surfaces can be wiped clean with a damp cloth. Do not use any aggressive or abrasive cleaning agents.

Remove any residue using a mixture of 50% ethyl alcohol and 50% distilled water plus a dash of household dish-washing liquid.

## Sterilization

The asepsis sets available from ZEISS contain rubber caps and hand grips that can be sterilized in autoclaves. For detailed information on sterilization, please see the enclosed instructions "Preparation of resterilizable products" for the respective asepsis set.

You can also use disposable sterile drapes to cover the system.



- Loosely attach the sterile drapes so that there is sufficient space for the microscope supporting stand and the surgical microscope to move.
- Do not cover the ventilation slots in order to ensure that the lamps are able to cool sufficiently and to avoid any loss in lamp functionality.

## Disinfection

It may be necessary to disinfect the device surfaces.

<b>NOTE</b>
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### Surface damage caused by wrong disinfectants!

Performing disinfection with the wrong disinfectants may result in damage to the surfaces of the device.

- Use an aldehyde and/or alcohol-based disinfectant. The addition of quaternary compounds is acceptable.
- In order to prevent surface tensions, you may use only the disinfecting components specified below.

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The maximum application concentrations are:

- For alcohol (tested with 2-propanol): 60%
- For aldehyde (tested with glutaraldehyde): 2%
- For quaternary compounds (tested with DDAC): 0.2%