

# Instructions for use

## deconex® INSTRUMENT PLUS

Manual disinfecting/cleaning agent  
for instruments –  
mildly alkaline, enzymatic



### Scope of application

For the disinfecting pre-cleaning and manual disinfecting cleaning of reusable thermally stable surgical instruments, including MIS and HF instruments as well as thermolabile, flexible endoscopes and their accessories in immersion or ultrasonic baths. Can also be used for manual final disinfection of cleaned, non-invasive medical devices that only come into contact with intact skin.

Bactericidal, yeasticidal, virucidal activity against enveloped viruses. For professional use.

### Recommended use

deconex® INSTRUMENT PLUS can be used in 3 different scenarios.

- A** Manual pre-cleaning
- B** Manual cleaning
- C** Final chemical disinfection of non-critical medical devices that only come into contact with intact skin

The product is suitable for use in immersion baths or ultrasonic baths. A bath temperature of 40 °C must not be exceeded. Internal tests showed no negative influence of ultrasonic baths on the performance of the product as long as the temperature of 40°C is not exceeded.

### Preparation

The baths are prepared in the same way for all 3 applications. The disinfecting and cleaning agent concentrate deconex® INSTRUMENT PLUS is diluted with tap water to the desired application concentration (see Disinfection efficacy and cleaning performance).

During this step, care must be taken to avoid excessive foaming in the bath. To do this, first add the water and then add the appropriate amount of concentrate. Finally, mix the solution carefully.

An uncontaminated or unused application solution can be stored in a closed container for up to 14 days.

### Important



Read the instructions for use carefully before each use and keep them in a safe place.



Symbol indicates safety instructions - please observe.



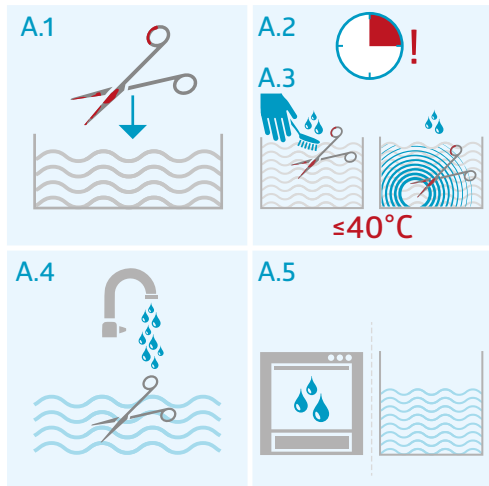
Use eye protection



Use hand protection

# deconex® INSTRUMENT PLUS

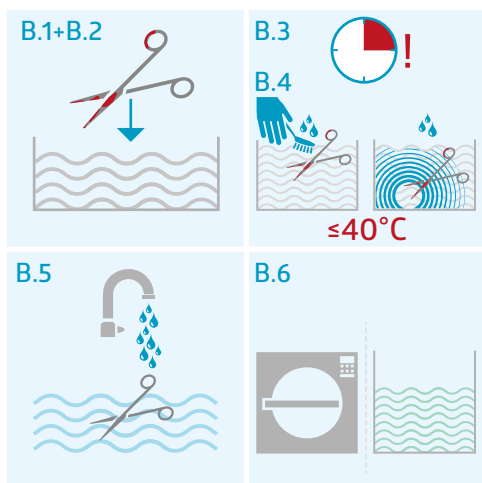
## A Manual pre-cleaning



- A.1 Dismantle the instruments according to the manufacturer's instructions and place them in the prepared immersion/ultrasonic bath.
- A.2 Observe the exposure time before starting manual pre-cleaning.
- A.3 Clean the instruments in the immersion or ultrasonic bath.
- A.4 The instruments are then rinsed thoroughly with demineralised water to prevent the formation of foam due to residues in subsequent reprocessing steps.
- A.5 The instruments must then be continue to their main manual or automated cleaning processes.

Discard used application solution if visibly contaminated or after one working day at the latest.

## B Manual cleaning

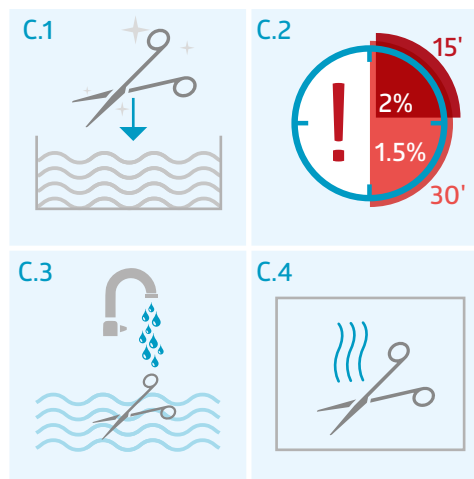


- B.1 If deconex® INSTRUMENT PLUS has been used for pre-cleaning, use a second immersion bath for manual cleaning.

- B.2 Dismantle the instruments according to the manufacturer's instructions and place them in the prepared immersion/ultrasonic bath.
- B.3 Observe the exposure time before starting manual cleaning.
- B.4 Clean the instruments in the immersion or ultrasonic bath.
- B.5 The instruments are then rinsed thoroughly with demineralised water to avoid residues.
- B.6 The rinsed instruments must be reprocessed in accordance with the manufacturer's instructions, e.g. sterilisation for thermally stable medical devices.

Discard used application solution if visibly contaminated or after one working day at the latest.

## C Final chemical disinfection of non-invasive medical devices that only come into contact with intact skin



- C.1 Dismantle cleaned instruments according to the manufacturer's instructions and place them in a freshly prepared, unused immersion bath (1.5 % or 2 % depending on the exposure time).
- C.2 Observe the exposure time according to the selected concentration.
- C.3 Rinse instruments thoroughly with sterile, demineralised water.
- C.4 Dry instruments.

### Contraindication

None



advanced cleaning solutions

# deconex® INSTRUMENT PLUS

## Disinfection efficacy and cleaning performance

Table 1: Disinfection efficacy according to EN 14885

Dosage	1 %	1.5 %	2 %
Time	15 min	30 min	15 min
<b>Bactericidal activity</b> (EN 13727, EN 14561)	✓	✓	✓
<b>Yeasticidal activity</b> (EN 13624, EN 14562)	✓	✓	✓
<b>Virucidal activity against enveloped viruses</b> (EN 14476) (EN 17111)	X	✓	✓

X = Not effective    ✓ = Effective

The test was carried out with water of standardised hardness (30 °fH or 16.9 °dH / 300 ppm CaCO<sub>3</sub>) and a high load.

The cleaning performance is given at 1-2 % application concentration and 15 min. For heavy soiling and dried residues, an application solution of 2 % with 30 min. exposure time is recommended.

Application temperature and water hardness can influence the cleaning result.

## Chemical-physical data

Table 2

pH	ca. 7.7 – 8.3
Density	ca. 1.0 g/mL
Appearance / Colour	clear, blue
Viscosity	Approx. 80 mPA

## Contents

100 g deconex® INSTRUMENT PLUS contains:  
11.2 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine  
11.7 g N,N-didecyl-N-methyl-poly(oxyethyl) ammonium propionate

Auxiliary ingredients:  
Enzymes (protease), surfactant substances, perfume, dye

## Material compatibility

- » Suitable for: Stainless steel, (anodised) aluminium, non-ferrous metals, polyoxymethylene (POM), polyamide (PA66) and polyvinyl chloride (PVC)
- » Not suitable for: Polycarbonate (PC)

For information on materials not mentioned, please contact your local sales partner or Borer Chemie AG.



## Safety information

- Only use undamaged, originally sealed and clearly identifiable containers.
- Do not open if the container is deformed.
- Do not use after the expiry date.
- Do not mix with other products or residual quantities.
- The application solution must be discarded if visibly contaminated or after one working day at the latest.
- The bath temperature must not exceed 40°C.
- Only completely cleaned, non-invasive medical devices that come into contact with intact skin should be used for final disinfection with deconex® INSTRUMENT PLUS.
- Do not use for the final disinfection of invasive medical devices.
- No products containing aldehyde should be used before or after the application of deconex® INSTRUMENT PLUS.
- After pre-cleaning as well as after cleaning an endoscope, the application solution must be discarded each time.
- Do not reuse empty containers - e.g. due to the risk of contamination.
- Ingredients may trigger allergic reactions.
- Only use in sufficiently ventilated rooms.
- Avoid aerosol formation and do not inhale aerosols.
- Follow the safety data sheet for occupational safety.
- Ensure that personal protective equipment is worn correctly.

# deconex® INSTRUMENT PLUS

## Storage & transport

Store deconex® INSTRUMENT PLUS at temperatures between 5 and 25 °C and protect from sunlight.

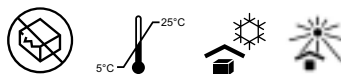
This medical product is frost-sensitive. Whenever possible, avoid transportation of this product during cold periods. If transport during this time of year is unavoidable, the product must be shipped in a temperature-controlled lorry / sea container regulated to at least 5°C. Alternatively also use thermal protection hoods to protect the product for short-time transport, no longer than 10 hours, with transport temperatures not falling below minus 5° C.

Observe storage and transport instructions in the safety data sheet.

## Disposal

Observe local waste and waste water regulations when disposing of empty containers and the product used.

Consult safety data sheet for proper disposal of unused product.



## Description of symbols used

Explanations of the symbols used can be found in the pictogram key on the website:

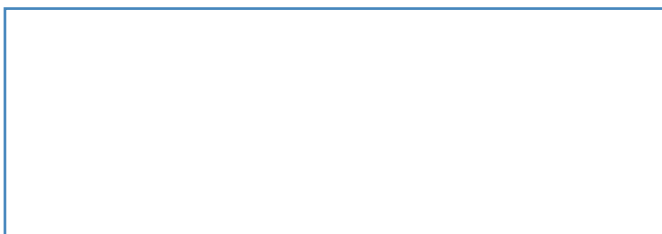
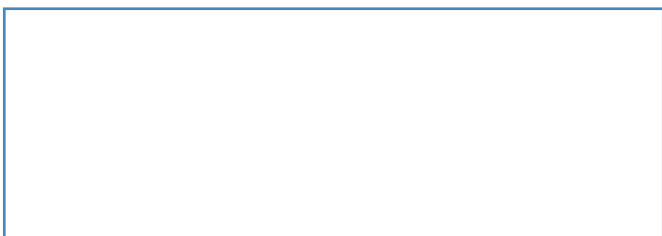
<https://www.borer.swiss/downloadcenter>

## Notes

- Ensure correct dosing when preparing the application solution.
- Ensure sufficient rinsing of the instruments with demineralised water.
- When preparing the application solution, first add water and avoid foaming.
- The product may only be used in clean ultrasonic or immersion baths.
- Follow the reprocessing instructions for the medical devices to be treated.
- Follow the instructions for use of the devices used for reprocessing.
- Before changing the product, please contact a local sales partner or Borer Chemie AG.
- Comply with legal, regulatory and standard specifications for medical devices.
- For use by professional users only.

The current version as well as other language versions of this document can be found on this website:

<http://www.borer.swiss/en/download-center-medical>



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