

Instructions for use

deconex® INSTRUMENT PLUS

Cleaning product for instrument disinfection

For the manual disinfecting pre-/cleaning of
medical devices



Scope of application

deconex® INSTRUMENT PLUS combines cleaning and disinfection for manual reprocessing of medical instruments. Due to its special enzymatic formula, deconex® INSTRUMENT PLUS cleans soiling such as coagulated blood (fibrin) while offering protection of staff and environment from microbial contamination. Good material compatibility allows it to be used for pre-/cleaning of various medical devices such as surgical and station instruments as well as flexible endoscopes.* deconex® INSTRUMENT PLUS can also be used for final disinfection of non-critical medical devices.

Recommended dose

To reach a good cleaning effect, we recommend using a concentration of 1-2% and an incubating time of 15 minutes (regardless of the water quality). In case of dried residues, a 2% solution with a longer incubating time of 30 minutes should be used.

Recommended use

Immersion bath:

Prepare the disinfectant solution by diluting to the desired concentration with water. Before inserting instruments into the immersion bath, disassemble them into individual parts as much as possible. The instruments must be completely covered by deconex® INSTRUMENT PLUS solution. Avoid air bubbles in hollow spaces. Consult efficacy table for minimum contact time. After reaching desired contact time, brush and rinse the instruments well if necessary, performing the last rinsing step with demineralised water.

Ultrasonic bath:

deconex® INSTRUMENT PLUS is also suitable for use in ultrasonic baths. Exposure time: 5 minutes. Then leave instruments in the disinfection solution until reaching the desired contact time (see efficacy table). Finish by rinsing well.

Properties

- excellent cleaning performance
- microbial efficacy: bactericidal, levurocidal, active against enveloped viruses
- pleasant smell

Service life

The maximal service life of deconex® INSTRUMENT PLUS use solution is 14 working days (when in use for longer than 1 day, 15 minutes contact time is required). The solution should be replaced earlier, if clearly contaminated.

*if not subsequently treated with a high-level disinfectant containing aldehydes

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Tested disinfection efficacy

Range of effectiveness	Methods	Concentration	Contact time
Bacteria and fungi			
Bactericidal (suspension tests)	EN 13727 / high load	0.5 %	5 min
Yeasticidal (suspension tests)	EN 13624 / high load	0.5 / 1 %	15 / 5 min
Bactericidal (germ carrier experiments)	EN 14561 / high load	0.5 %	5 min
Yeasticidal (germ carrier experiments)	EN 14562 / high load	0.5 / 1 %	15 / 5 min
Viruses			
Active against enveloped viruses (suspension tests)	EN 14476 / high load	1 %	5 min
Limited virucidal (germ carrier experiments)	EN 17111 / high load	2 %	30 min

VAH-certified and listed: bactericidal and yeasticidal effect at 0.5%, 15 min, at high load.

Suspension tests demonstrate effectiveness against free-floating bacteria in the cleaning solution that are transferred through direct contact with the cleaning solution.

Germ carrier experiments demonstrate effectiveness against surface-adhering bacteria or bacteria contained in the instrument soiling that can be transferred through direct contact with the soiling on the instrument.

Safety information

Please refer to deconex® INSTRUMENT PLUS safety data sheet for information about industrial safety and proper disposal.

Storage

Store product at temperatures between 5-25 °C.

Manufacturer:

Borer Chemie AG

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Product data sheet

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Ingredients

100 g deconex® INSTRUMENT PLUS contains:

11.2 g N,N-Didecyl-N-methyl-poly(oxyethyl) ammonium propionate
11.7 g N-(3-Aminopropyl)-N-dodecylpropane-1.3-diamine

Auxiliary ingredients:

Enzyme (protease), surface-active substances, perfume, dye

Material compatibility

Suitable for:

Stainless steel, aluminium, anodised aluminium, non-ferrous metals, plastics based on polyamide, polyethylene, PVC, POM, PEI, PPSU.

ABS, acrylic glass and polysulphone depending on type and product concentration.

Not suitable for polycarbonate.

The user should conduct appropriate compatibility tests for materials not mentioned here or contact Borer Chemie AG.

Compatible with disinfectants based on peracetic acid. The use of deconex® INSTRUMENT PLUS for pre-cleaning flexible endoscopes is, however, contraindicated if working with high-level disinfectant containing aldehydes.

Expert reports

deconex® INSTRUMENT PLUS has been extensively investigated according to EN standards and VAH (German Association for Applied Hygiene) in terms of efficacy. Expert reports are available upon request.

CE marking

deconex® INSTRUMENT PLUS satisfies the requirements for medical devices in accordance with the directive 93/42/EEC.

Chemical-physical data

pH value	1 % solution in tap water	ca. 8.3
Density	concentrate	1.04 g/mL
Appearance	concentrate	blue

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Packaging

The container, seals and labels are made of recyclable polyethylene.

Dosing aids and disinfection baths are available as accessories, please contact us for advice.

Container sizes

Container type	Content	Item number
Bottle	1 L	527200.00-F10W
Canister	5 L	527200.00-K05W
Canister	10 L	527200.00-K10W

Additional information

Before using the product please read the instructions for use and the relevant safety data sheet.

Benefit from our know-how! Please contact us for further information regarding your specific application.

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