

Instructions for use

deconex® 34 GR

Basic instrument cleaner for manual
and automated application



Intended purpose

For the removal of discolouration and passivation from stainless steel instruments in the mechanical and manual process as well as from the (E-¹)WD chambers.

Intended use

deconex® 34 GR is used diluted for acidic basic cleaning of stainless steel instruments of all kinds in manual and automated processes. In addition, it can also be used to remove stains and deposits in the (E-¹)WD chamber.

deconex® 34 GR is also used for passivation and for renewing the passive layer of stainless steel instruments.

Properties

deconex® 34 GR on the basis of acids and surfactants efficiently removes stubborn, inorganic soiling and deposits such as:

- iridescent coloured silicate coatings (tarnish)
- staining due to high salt content in the water
- corrosion due to flash rust, extraneous rust and contact corrosion
- from reprocessing process
- gypsum residues on gypsum shears
- brown discoloured organic residues (incrustations)

By passivating factory-new or used stainless steel instruments as well as after repair, the protective chromium oxide passive layer is renewed and stabilised with deconex® 34 GR. This improves the corrosion resistance of the instruments and, with regular use, prolongs the life of the instruments.

Application and dosage

Before basic cleaning, the instruments must be reprocessed to remove organic contamination such as blood, bone residues or body fluids. Alkaline reprocessing is recommended.

After the treatment with deconex® 34 GR, the instruments must be subjected to the complete, regular reprocessing process before they are used again.

Basic cleaning

Manual

deconex® 34 GR is used in a concentration of 10 - 20 % (100 - 200 mL/L) in deionised water at 60 - 85 °C for 30 - 60 min. The required time is determined by the contamination and must be chosen in such a way that a satisfactory result of the stain removal is achieved.

Then rinse thoroughly under running tap water and dry the instruments.

Neutralisation is not necessary.

Automated

deconex® 34 GR is used in a concentration of 5 - 20 % (50 - 200 mL/L) in deionised water at 85 °C for 30 - 60 min. The required time is determined by the impurities and must be chosen in such a way that a satisfactory result of the stain removal is achieved.

Dosing is carried out from room temperature or by placing the product in a bowl at the beginning of the process.

Subsequently, a sufficient three-stage rinsing of at least 1 min each with deionised water is must be carried out. Afterwards, the instruments should be dried.

Neutralisation is not necessary.

Following the basic cleaning, passivation must take place.

¹⁾ Compatibility with the (E-)WD must be checked in advance.

deconex® 34 GR

Passivation

Manual

deconex® 34 GR is used in a concentration of 2 % (20 mL/L) in deionised water at 60 - 85 °C for 30 - 60 min.

Then rinse thoroughly under running deionised water or rinse three times by immersion in deionised water and dry. Neutralisation is not necessary.

Automated

deconex® 34 GR is used in a concentration of 2 % (20 mL/L) at 85 °C for at least 30 min. Dosing is done from room temperature or by placing the product in a bowl already at the beginning of the process.

Subsequently, a sufficient two-stage rinsing of at least 1 min each with tap water or softened water must be carried out. Ideally, deionised water is used for the second rinse. Afterwards, the instruments should be dried. Neutralisation is not necessary.

The instruments must then be fed into the regular reprocessing process.

Material compatibility

deconex® 34 GR is suitable for stainless steel only.

Incompatibility may occur with stainless steel instruments with carbide inserts. Fading of laser markings may occur.

For other, sensitive materials, compatibility tests may have to be carried out. If necessary, contact your local distributor for deconex® products or Borer Chemie AG.

For material compatibility with the (E-)WD, contact your local distributor for deconex® products or Borer Chemie AG.

Chemical-physical data

pH value 1 % solution

in demineralised water	approx. 2.2
in tap water ¹⁾	approx. 2.3

pH value 20 % solution

in demineralised water	approx. 1.1
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Density of concentrate	1.1 g/mL
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Appearance of concentrate	Clear, colourless
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¹⁾ measured in tap water at 25 - 28 °F / 14 - 16 °dH / 250 - 280 ppm CaCO₃

Ingredients

Inorganic acids, surfactants

Limitations and to note

Do not use on instruments made of aluminium, titanium or (chromium-plated) non-ferrous metals.

Do not mix with other products. ▪ The product is for single use only, not for reuse. ▪ The cleaning result must be visually checked afterwards; if residual contamination is found, the cleaning must be repeated. ▪ The legal and normative requirements for medical devices must be complied with. ▪ For professional use only. ▪ We recommend using the product in validated processes. ▪ Follow the reprocessing instructions of the medical devices to be treated and the instructions for use for equipment used for reprocessing. ▪ Do not use the product if the packaging is damaged or the storage and transport conditions have not been adhered to. ▪ Please contact your local distributor for deconex® products or Borer Chemie AG before changing the product.

If a serious incident occurs with this product, it must be reported to the manufacturer and the responsible authority.

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

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

Explanations of the symbols used can be found in the spade chart on the website:

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

Safety instructions and disposal

Information regarding safety in the workplace and the correct disposal of the unused product can be found on the safety data sheet.

When applying manually in an ultrasonic or immersion bath, always cover with a lid to prevent inhalation of vapours, especially those produced during heating. Ensure sufficient ventilation.

When disposing of empty containers and used solution, local waste and waste water regulations must be observed.

Containers, seals and labels are made from recyclable polyethylene.

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Storage and transport

Store the product at temperatures between 5 and 25 °C. Note safety data sheet.

CE marking

deconex® 34 GR satisfies the requirements for medical devices in accordance with the regulation (EU) 2017/745.

Availability

Please contact your local distributor for deconex® products for available container sizes.

Distributor / importer:

Manufacturer:

Borer Chemie AG

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

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