

# deconex® 34 GR

## Acidic cleaning concentrate for medical instruments made of stainless steel

For the application in soaking and ultrasonic baths. Also suitable for cleaning washing machines. Free of alkalis, liquid.



### Application

deconex 34 GR is an acidic cleaning concentrate for stainless steel surgical and ward instruments. It is being used for the removal of annealing colours, water spots, transferred/initial rust and encrustations, which are resulting from inadequate reprocessing.

The process' weak points may be:

- poor water quality
- insufficient cleaning
- usage of unsuitable cleaning products and disinfectants
- processing errors and
- poor vapour quality in the sterilizer

If surface changes such as described above, will appear on instrument surfaces, the whole process must be checked. The instruments concerned should be treated with deconex 34 GR, either in an ultrasonic or in a soaking bath.

Brand-new instruments must go through an initial reprocessing cycle, before they are being used for the first time. Despite this pre-treatment, instruments made from minor steel qualities show an irreversible greyish-black colouring after the first sterilization. By treating such instruments with deconex 34 GR prior to the first reprocessing cycle, the colouring can be prevented.

deconex 34 GR can also be applied for removing silicate coatings in washing machines.

### Properties

deconex 34 GR is based on acids and surfactants and effectively removes inorganic contamination and coatings like:

- silicate coatings shining in various colours (annealing colours)
- spots resulting from water with high salt content
- initial rust resulting from contact corrosion, e.g. contact with brass parts during processing and from transfer red rust
- plaster residues on plaster scissors and
- encrusted brownish organic residues

deconex 34 GR is exclusively suitable for stainless steel.

### Ingredients

Inorganic acids, surfactant compounds

### Dosage

	Concentration	Time	Temperature
Soaking bath	10-20%	2-4 h	60 °C
Ultrasonic bath	5-10%	1-2 h	60 °C

Cleaning of washing machines:

Depending on the resistance of the coatings, the treatment with 2 L of deconex 34 GR per 10 L washing fleet should be repeated several times (at 60 °C).

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## Information on use

deconex 34 GR must only be used for instruments, which are marked with «inox», «stainless», «stainless steel» or «rust-proof». Instruments made of untempered chrome steel and unalloyed steel are usually acid sensitive and cannot be treated with deconex 34 GR. The same applies to chromium-plated instruments, because the chromium-plating will detach.

Containers and basins for the cleaning process must be resistant to acids as must be the sinks and pipes, through which the working solutions of deconex 34 GR are discharged. After cleaning, instruments must be rinsed thoroughly with water and then dried. Should the cleaning result be unsatisfactory, the treatment may be repeated. Never leave instruments immersed without control or overnight.

To avoid surface changes of instruments in the future, all steps of reprocessing should be checked, including collection of instruments, automated or manual cleaning, disinfection and sterilization. This means also, checking the quality of the water for cleaning and the steam for sterilization.

## Material compatibility

Suitable for:  
Stainless steel

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

## Chemical/physical data

pH	solution at 1% to 20% in demineralized water	approx. 2.2-1.1
Density	concentrate	1.11 g/ml
Appearance	concentrate	transparent, colourless liquid

## Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene.

## Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

## Manufacturer:

### Borer Chemie AG

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