

# deconex<sup>®</sup> 21 CLF

## Mildly alkaline special cleaning concentrate

For automated application in instrument reprocessing and in laboratories.  
Free of chlorine, liquid.



### Application

deconex 21 CLF is used in the central sterile supply for the automated reprocessing of surgical instruments, ward utensils and anaesthesia material, including:

- stainless steel instruments (scalpels, tweezers etc.)
- articulated instruments (scissors, clamps etc.)
- ward utensils (bowls, feeding bottles etc.)
- anaesthesia material (breathing balloons, breathing tubes etc.)
- footwear of the surgical team.

deconex 21 CLF is also universally used in laboratories for the removal of organic and inorganic residues and contamination from laboratory glass and reusable laboratory material.

deconex 21 CLF is used in:

- chemical laboratories,
- biological laboratories,
- medical laboratories,
- the pharmaceutical industry
- and the food-industries.

### Properties

deconex 21 CLF is

- mildly alkaline
- free of chlorine
- free of surfactants
- liquid (for automated dosage)

### Dosage

The optimum dosage depends mainly on the hardness of the water and the nature of the contamination. In general, the use of softened feed water improves the cleaning results. Consequently, the dosage can therefore be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex 21 CLF	3-5 ml/l	5-10 ml/l

The cleaning time is 2-5 min at a temperature of 60 °C.

deconex 21 CLF has very good material compatibility. It has been specifically developed for use in washing machines. Although the product does not contain caustic alkalis, it has excellent contaminant-removing and dispersing properties.

deconex 21 CLF gently but effectively removes:

- blood
- residues of tissue
- proteins

The simultaneous cleaning of instruments made of stainless steel and aluminium is possible.

The completely residue-free cleaning of laboratory glass and reusable materials is an important prerequisite for the successful application of a cleaner in analytical-, synthesis- and cell culture-laboratories.

deconex 21 CLF gently but effectively removes:

- greases
- oils
- culture media
- sera

### Ingredients

Alkalis, complexing agents, corrosion inhibitor, sequestering agents

# deconex® 21 CLF

## Information on use

In general, increasing the temperature leads to a reduction of cleaning time. As a rule of thumb, raising the temperature by 10 °C, cuts the time of the cleaning process by half, and vice versa.

We recommend:

- proper loading of washing goods in racks and machines (avoid overloading)
- making sure that all washing goods come into contact with the cleaning solution during the process
- opening all instruments with hinges and joints
- using demineralized water for final rinsing
- using deconex 43 ANTISEPTIC for the chemothermal disinfection that follows

## Chemical/physical data

pH	1% solution in demineralized water	approx. 11.3
Density	concentrate	1.36 g/ml
Appearance	concentrate	transparent, colourless
Titrate procedure	with 0.1 n hydrochloric acid	indicator: phenolphthalein
Consumption of 0.1 n hydrochloric acid	for 100 ml fresh washing fleet	13 ml/1% (w/w) of concentrate

## Availability

Please ask your local representative about current container sizes.

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

## Neutralization

To neutralize alkaline residues, an acidic rinse should follow each cleaning step. In combination with deconex 21 CLF, we recommend the following neutralizers: deconex 25 ORGANACID, deconex 26 MINERALACID or deconex 26 PLUS. Please ask for the corresponding data sheets.

## Material compatibility

Suitable for:

Stainless steel, aluminium, synthetic materials, rubber, latex, laboratory glass, ceramic materials

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

## 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.



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## Manufacturer:

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