

deconex® 23 ENZYME

Mildly alkaline, enzymatic cleaner

For automated reprocessing of anaesthesia utensils. Free of chlorine, powdered.



Application

deconex 23 ENZYME is a special cleaner used in the central sterile supply for automated reprocessing of anaesthesia utensils, including:

- breathing balloons
- breathing masks
- breathing tubes
- catheter
- probes etc.

Properties

deconex 23 ENZYME has the following properties. It is

- mildly alkaline
- enzymatic
- free of chlorine
- free of surfactants and
- powdered

Dosage

The optimum dosage depends mainly on the hardness of the water and the kind of the contamination. In principle, the use of softened feedwater improves the cleaning results. Consequently, the dosage can be reduced.

In practice, the following dosage has given good results:

Dosage	in softened water	in hard water
deconex 23 ENZYME	2-3 g/l	3-5 g/l

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

Information on use

Generally, an increase of the temperature leads to a reduction of the cleaning process time. According to a rule of thumb, raising the temperature by 10 °C, cuts the cleaning process time in half, and vice versa.

Note that the enzymes are not active below 40 °C. Above 70 °C they are being destroyed.

deconex 23 ENZYME is gentle to materials. It has specifically been developed for automated application. Although aggressive, corrosive alkalis (NaOH, KOH) have been omitted in the formulation, the product has high dirt-removing and dispersing properties.

In addition, it contains proteolytic enzymes, which are particularly suitable for removing dried tissue- as well as protein- and blood-residues. Their optimal activity is at a temperature of 60 °C. Moreover, deconex 23 ENZYME contains antifoam agents (silicon-free), which prevent foaming caused by detached dirt particles.

Ingredients

Alkalis, complexing agents, corrosion inhibitor, antifoam agent, enzymes

We recommend you:

- a proper loading of utensils in racks and machines (avoid overloading)
- to ensure all utensils come into contact with the cleaning solution
- to use demineralized water for final rinsing and
- to use deconex 43 ANTISEPTIC for the following chemothermal disinfection

deconex® 23 ENZYME

Neutralization

For neutralization of alkaline residues, each cleaning step should be followed by an acidic rinse. deconex 25 ORGANACID as neutralizer in combination with deconex 23 ENZYME is recommended. Please ask for corresponding data sheets.

Material compatibility

Suitable for:
Synthetic material, rubber, latex, stainless steel

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

Chemical/physical data

pH	1% solution in demineralized water	approx. 12.0
Appearance	concentrate	white powder
Titrate procedure	with 0.1 n hydrochloric acid	indicator: phenolphthalein
Consumption of 0.1 n hydrochloric acid	for 100 ml fresh washing fleet	48 ml/1% (w/w) of powder

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.



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