

# Instructions for use

## deconex® PROZYME ALKA-x

### Mildly alkaline/enzymatic instrument cleaner

For instrument treatment in washer-disinfectors



#### Scope of application

deconex® PROZYME ALKA-x is a non-aggressive special cleaning agent based on a sophisticated combination of enzymes and surfactants for the mechanical treatment of thermostable and thermolabile instruments and utensils, such as surgical and microsurgical instruments, MIS instruments, rigid and flexible endoscopes, anaesthetic equipment, breathing devices, ward equipment, dental instruments, aluminium containers and other medical devices.

#### Properties

Based on its special composition and formulation, deconex® PROZYME ALKA-x efficiently removes a wide range of organic contaminants such as blood, tissue residue, mucous and biofilms from medical instruments made of a wide range of materials. In addition to its cleaning strength and versatility of use, deconex® PROZYME ALKA-x has various other properties:

- very good material compatibility
- contributes to biofilm removal
- low foaming
- compatible with hard water
- no neutralisation required
- EDTA-free
- NTA-free
- fragrance-free
- free of dyes
- biodegradable

#### Application and Dosage

Optimal dosage depends essentially on water hardness and the type of contamination. Although deconex® PROZYME ALKA-x is compatible with hard water, the use of deionised (DI) or reverse osmosis (RO) water is generally recommended in order to achieve an optimal cleaning result. Dosage of 1-5 mL/L is then sufficient. When using untreated water, a maximum dosage of 10 mL/L is recommended. Ideally, deconex® PROZYME ALKA-x should be added at a temperature of 35-40 °C. The cleaning time at a temperature plateau of 50-60 °C is typically 5-10 minutes. Subsequent neutralisation is not necessary.

# deconex® PROZYME ALKA-x

## Recommended dose

Dosage	DI / RO water <sup>1)</sup>	soft to medium-hard water <sup>1)</sup>	hard water <sup>2)</sup>	Temperature
deconex® PROZYME ALKA-x	1-5 mL/L	5-7.5 mL/L	7.5-10 mL/L	50-60 °C

<sup>1)</sup> and normal soil

<sup>2)</sup> and heavy or stubborn soil

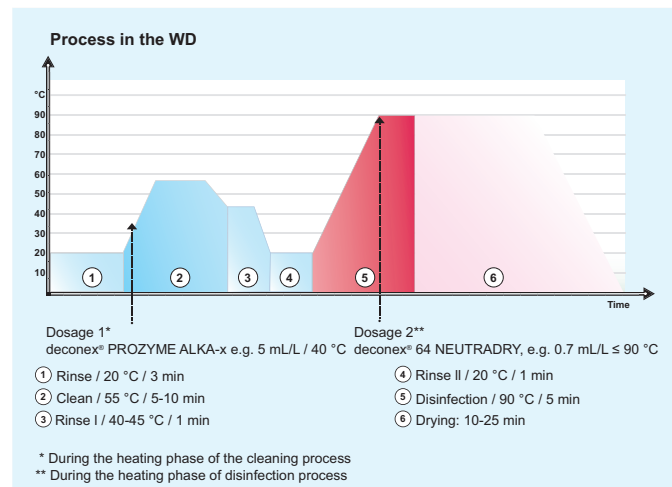
## Recommended process

A typical washer-disinfector (WD) process for the treatment of thermostable instruments in the WD is shown below:

### Typical WD process (for thermostable instruments)

1. Pre-rinse: with cold tap water, 3 min
2. Cleaning: with DI / RO water  
Add deconex® PROZYME ALKA-x at 35-40 °C  
Clean at 55 °C for 5-10 min
3. Intermediate rinse I: with warm tap water (40-45 °C), 1 min
4. Intermediate rinse II: with cold tap water, 1 min
5. Thermal disinfection: with DI / RO water  
e.g. 5 min at 90 °C. For example, add deconex® 64 NEUTRADRY at ~ 90 °C as a drying aid, if necessary
6. Drying: 10-25 min

## WD process diagram



## Storage

Store the product at between 5 and 25 °C.

## Safety information

Please refer to the deconex® PROZYME ALKA-x safety information sheet for details on industrial safety and proper disposal.

### Manufacturer:

#### Borer Chemie AG

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

Tel +41 32 686 56 00 Fax +41 32 686 56 90

office@borer.ch, www.borer.ch

All information provided is based on our comprehensive knowledge and does not constitute a legally binding assurance of specific product properties.

# Product data sheet

## deconex® PROZYME ALKA-x

### Mildly alkaline/enzymatic instrument cleaner

For instrument treatment in washer-disinfectors



#### Ingredients

Surfactant substances  
Enzymes (proteases)  
Complexing agents  
Solubilisers  
Sequestering agents  
Preservatives

#### Material compatibility

deconex® PROZYME ALKA-x is compatible with a wide range of materials.

Suitable for:

Stainless steel, aluminium, anodised aluminium, titanium, copper, brass, zinc, tin, chrome-plated materials, plastics, elastomers including polyurethane, silicone, teflon, rubber and latex, glass and ceramic materials. There is no known material incompatibility.

Appropriate compatibility tests should be performed for all materials not listed, or contact Borer Chemie AG if necessary.

Concentrate:

For compatibility with transport and peristaltic hoses, please request the separate information sheet.

#### CE marking

deconex® PROZYME ALKA-x meets the requirements for medical devices pursuant to the Medical Devices Directive 93/42/EEC.

# deconex® PROZYME ALKA-x

## Physicochemical data

pH	1 % solution in deionised (DI) water	approx. 10.0
Density	Concentrate	1.09 g/mL
Appearance	Concentrate	clear, yellow

## Packaging

Containers, seals and labels are made from recyclable poly ethylene.

## Container sizes

Container type	Content	Item number
Bottle	1 L	525000.00-F10W
Canister low	5 L	525000.00-KK5W
Canister	10 L	525000.00-K10W
Canister	25 L	525000.00-K25W
220 L barrel	210 L	525000.00-B220
Drumtainer	210 L	525000.00-D220
IBC 640 L	580 L	525000.00-IBC2

## Additional information

Please read the instructions for use and the relevant safety data sheet before using this product.

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

## Manufacturer:

### Borer Chemie AG

Gewerbestrasse 13, 4528 Zuchwil / Switzerland

Tel +41 32 686 56 00 Fax +41 32 686 56 90

office@borer.ch, www.borer.ch

All information provided is based on our comprehensive knowledge and does not constitute a legally binding assurance of specific product properties.