

# Instructions for use

## deconex® 28 ALKA ONE-x

**High alkaline detergent, effective against prions**

For instrument reprocessing in washer-disinfectors (WD)



### Scope of application

deconex® 28 ALKA ONE-x has been specially developed for the demanding alkaline reprocessing of medical devices such as surgical instruments, anesthetic and breathing equipment, ward instruments and utensils, MiS instruments, feeding bottles and operating theatre footwear in accordance with RKI recommendations.

### Properties

deconex® 28 ALKA ONE-x is a high alkaline detergent, which brings together outstanding cleaning performance, broad material compatibility, exceptional complexing properties and anticorrosion properties, as well as proven effectiveness against prions. This means that deconex® 28 ALKA ONE-x is able to remove many different types of soil quickly, effectively and safely, including proteins, fats, carbohydrates and other organic components, such as blood, bone, mucus, stool etc. deconex® 28 ALKA ONE-x is also able to effectively prevent mineral deposits and discolourations, such as silicate deposits on instruments and machines.

deconex® 28 ALKA ONE-x contains no strongly corrosive materials such as caustic alkalis (e.g. KOH or NaOH), so no subsequent neutralisation step is required.

### Application and dosage

#### Recommended dose

deconex® 28 ALKA ONE-x is designed for use in washer-disinfectors (WD) at temperatures between 70-90 °C. Cleaning temperatures below 70 °C are not recommended.

Dosage	soft water <sup>1)</sup>	medium-hard water <sup>1)</sup>	hard water <sup>2)</sup>	Temperature
deconex® 28 ALKA ONE-x	3 mL/L	5 mL/L	7 mL/L	70-90 °C (WD)

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

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

deconex® 28 ALKA ONE-x does not contain any materials that could be harmful to the environment or to health either, such as EDTA or NTA, nor any potentially allergenic components, such as scents or colourants.

deconex® 28 ALKA ONE-x is also totally non-foaming and offers outstanding stability and rinsability.

Special features of deconex® 28 ALKA ONE-x:

- outstanding cleaning performance
- effective against prions
- pH > 10 (RKI conformity)
- compatible with hard water
- does not require neutralization
- prevents silicate deposits
- residue-free rinsability
- foam-free
- EDTA-free
- NTA-free
- free from scents
- free from colourants
- biodegradable

# deconex® 28 ALKA ONE-x

## Recommended process

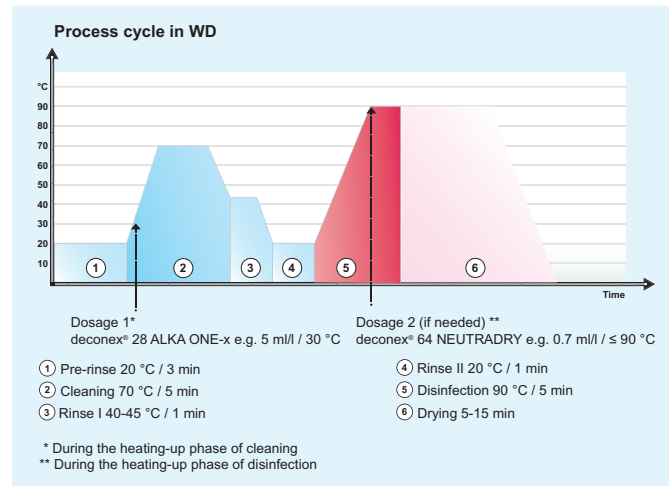
As a high alkaline detergent, deconex® 28 ALKA ONE-x is ideal for use at a cleaning temperature of 70-90 °C. The higher the cleaning temperature, the better the cleaning performance. The cleaning duration is 5-10 min depending on the type of soil, level of soil, the quality of the water used and the dosage.

## Typical WD process

A typical cleaning and disinfection program using deconex® 28 ALKA ONE-x is shown below:

1. Pre-rinse: with cold tap water, 3 min
2. Cleaning: with tap water  
Dose deconex® 28 ALKA ONE-x at 30 °C  
Cleaning at 70 °C for 5 min
3. Intermediate rinse I: with warm (40-45 °C) tap water, 1 min
4. Intermediate rinse II: with DI- / RO-water, 1 min
5. Thermal disinfection: with DI- / RO-water, e.g. 5 min at 90 °C, if applicable dosage of deconex® 64 NEUTRADRY as drying aid at 90 °C
6. Drying: 5-15 min

## WD process diagram



## Storage

Store the product at temperatures between 5 and 25 °C.

## Safety information

Please refer to deconex® 28 ALKA ONE-x safety data sheet for information about 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 current knowledge and it does not constitute a legally binding assurance of specific product properties.

# Product data sheet

## deconex® 28 ALKA ONE-x

**High alkaline detergent, effective  
against prions**

For instrument reprocessing in washer-disinfectors  
(WD)



### Ingredients

Alkali dispenser  
Surfactant compounds  
Complexing agent  
Sequestering agent  
Corrosion inhibitor

### Material compatibility

deconex® 28 ALKA ONE-x contains neither KOH nor NaOH, so it offers outstanding material compatibility. Neutralization is not necessary if the post rinse process detailed in the instructions for use is observed.

#### Suitable for:

Stainless steel, chromed materials, plastics, rubber, latex, glass, ceramic materials.

#### Not suitable for:

Instrument containers and lids made from anodised aluminum. These should always be reprocessed with a neutral cleaner or a mildly alkaline cleaner that is specially suited to this task, such as deconex® ALKAMILD or deconex® 23 NEUTRAZYM-x.

The user should conduct appropriate compatibility tests for materials not mentioned here or contact Borer Chemie AG.

#### Concentrate:

Please request the separate information sheet for compatibility with transport and peristaltic hoses.

### Expert reports

We will be happy to provide you with expert reports and scientific publications on the subject of efficient cleaning processes and «Prion effectiveness» on request, Zentr Steril 2005; 13 (4): (244-257).

### CE marking

deconex® 28 ALKA ONE-x satisfies the requirements for medical devices in accordance with the directive 93/42/EEC.

# deconex® 28 ALKA ONE-x

## Physicochemical data

pH Value	0.5% solution with demineralised (DI) water	approx. 12.0
Density	concentrate	1.43 g/mL
Appearance	concentrate	colourless to yellow, clear to slightly cloudy

## Packaging

The containers, seals and labels are made of recyclable polyethylene.

## Container sizes

Container type	Content	Item number
Bottle	1 L	518215.00-F10W
Canister	5 L	518215.00-K05W
Canister low	5 L	518215.00-KK5W
Canister	10 L	518215.00-K10W
Canister	25 L	518215.00-K25W
220 L barrel	200 L	518215.00-B220
Drumtainer	200 L	518200.00-D220
IBC 1000 L	920 L	518215.00-IBC1

## Additional information

Before using the product please read the instructions for use and the relevant safety data sheet.

Benefit from our know-how! Please contact us for further information regarding 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 current knowledge and it does not constitute a legally binding assurance of specific product properties.