

Instructions for use

deconex® TWIN BASIC TWIN ZYME-z

Neutral enzymatic 2-component cleaning system

For use in WD for reprocessing of all medical
devices including flexible endoscopes and dental
instruments



Scope of application

deconex® TWIN BASIC / TWIN ZYME-z is a highly effective, neutral enzymatic 2-component cleaning system, which is extremely gentle on materials, and which is used for uncompromising cleaning of all medical instruments and utensils including MiS and dental instruments, anesthetic and respiratory equipment, ward materials made of rubber, latex or plastics, rigid and flexible endoscopes in washer-disinfectors (WD and E-WD).

Properties

deconex® TWIN BASIC / TWIN ZYME-z represents a unique dual cleaning concept consisting of a neutral cleaning component (deconex® TWIN BASIC) and a multi-enzymatic cleaning component (deconex® TWIN ZYME-z), which makes it possible to use particularly effective ingredients, which would interfere with each other if combined in a single product and reduce effectiveness.

In the 2-component cleaning system important components, such as enzymes and hardness bonding complexing agents, remain separated until the moment when they are diluted and introduced into the washer-disinfector. This increases the stability of the various components and also enables them to work in synergy.

As a result the 2-component cleaning system, deconex® TWIN BASIC / TWIN ZYME-z, is superior to every traditional neutral, neutral-enzymatic or mild alkaline 1-component detergents both in terms of material compatibility and cleaning performance.

It is highly efficient at removing blood, residual tissue, proteins, fats, carbohydrates, mucous, biofilm, stool and other contaminants from medical instruments made from metal, plastic and glass, including various complex instruments, and rigid and flexible endoscopes and dental instruments. deconex® TWIN BASIC / TWIN ZYME-z is compatible with hard water.

When using tap water there is a pH value of 7 in the washing solution. deconex® TWIN BASIC / TWIN ZYME-z contains no EDTA or NTA and it is also free of potentially allergenic additives such as scent and colorants. deconex® TWIN BASIC / TWIN ZYME-z is low-foaming and offers good rinsability.

Special features of deconex® deconex® TWIN BASIC / TWIN ZYME-z:

- excellent cleaning performance
- low dosage
- high material compatibility
- effective against biofilm
- pH neutral
- versatile
- low-foaming
- no discolouration
- good rinsability
- EDTA-free
- NTA-free
- free of scent
- free of colourants
- biodegradable

deconex® TWIN BASIC TWIN ZYME-z

Application and dosage

The optimal dosage depends largely on the water quality and other process and WD parameters.

| | soft water ¹⁾ | medium-hard water ¹⁾ | hard water ²⁾ | temperature |
|----------------------|--------------------------|---------------------------------|--------------------------|-------------|
| deconex® TWIN BASIC | 2-3 mL/L | 3-4 mL/L | 4-5 mL/L | 55 °C (WD) |
| + | + | + | + | |
| deconex® TWIN ZYME-z | 1 mL/L | 1.5 mL/L | 2 mL/L | 55 °C (WD) |

¹⁾ and normal level of soil

²⁾ and considerable or stubborn soil

Recommended process

The recommended dosing temperature is 30 °C for deconex® TWIN BASIC and 40 °C for deconex® TWIN ZYME-z. The optimal cleaning time at a cleaning temperature of 55 °C is 5 min.

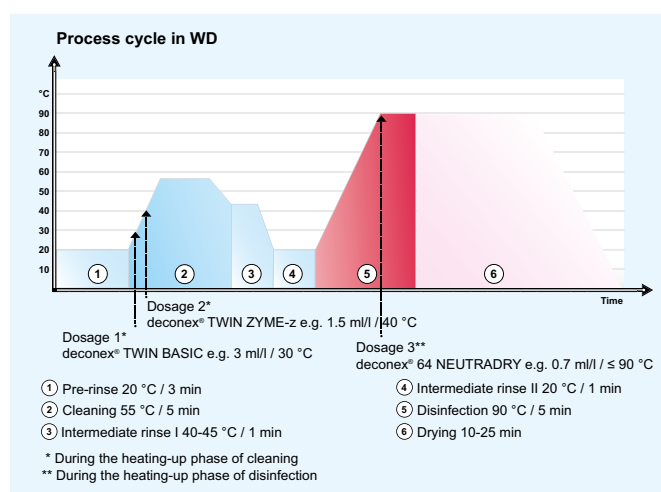
Typical WD-process

A typical cleaning and disinfection program using deconex® TWIN BASIC / TWIN ZYME-z is shown below:

1. Pre-rinse: with cold tap water, 3 min
2. Cleaning: with tap water
Dose deconex® TWIN BASIC at 30 °C
Dose deconex® TWIN ZYME at 40 °C
Cleaning at 55 °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 needed dosage of deconex® 64 NEUTRADRY as drying aid at 90 °C
6. Drying: 10-25 min

* If necessary, longer cleaning times result in further improvement on cleaning performance.

WD process diagram



Storage

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

deconex® TWIN ZYME-z is frost-sensitive. Avoid whenever possible transportation of this product during the cold periods. If transport during such periods is inevitable, this product must be shipped using temperature controlled lorry / sea container above 5° Celsius, or use protection hoods for short-time transports not longer than 10 hours with transport temperatures not falling below minus 5°C.

Safety information

Please refer to deconex® TWIN BASIC and deconex® TWIN ZYME-z safety data sheets for information on industrial safety and proper disposal.

Distributor / importer:

Manufacturer:

Borer Chemie AG

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advanced cleaning solutions

Product data sheet

deconex® TWIN BASIC TWIN ZYME-z

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Ingredients

deconex® TWIN BASIC

Alkali dispenser
Complexing agent
Corrosion inhibitor

deconex® TWIN ZYME-z

Surfactant compounds
Enzymes (protease, amylase, lipase, cellulase)
Corrosion inhibitor
Preservatives

Material compatibility

deconex® TWIN BASIC / TWIN ZYME-z offers outstanding
material compatibility.

Suitable for:

Stainless steel, aluminum, anodised aluminum, titanium,
copper, brass, zinc, tin, chrome-plated materials, plastics, ela-
stomers including polyurethane, silicon, Teflon, rubber, latex,
glass and ceramic materials. No known material incompatibility.

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

Concentrate:

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

Expert reports

The effectiveness of deconex® TWIN BASIC / TWIN ZYME-z
against pseudomonas aeruginosa biofilms has been investiga-
ted. Expert reports are available upon request.

CE marking

deconex® TWIN BASIC and deconex® TWIN ZYME-z satisfy
the requirements for medical devices in accordance with the
regulation (EU) 2017/745.

deconex® TWIN BASIC

TWIN ZYME-z

Physicochemical data

deconex® TWIN BASIC

| | | |
|------------|--|------------------------|
| pH Value | 1 % solution with demineralised (DI) water | approx. 8.4 |
| Density | concentrate | 1.25 g/mL |
| Appearance | concentrate | clear, slightly yellow |

deconex® TWIN ZYME-z

| | | |
|------------|--|---------------------------------|
| pH Value | 1 % solution with demineralised (DI) water | approx. 7.8 |
| Density | concentrate | 1.06 g/mL |
| Appearance | concentrate | clear, yellow to slightly brown |

Packaging

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

Container sizes

deconex® TWIN BASIC

| Container type | Content | Item number |
|----------------|---------|----------------|
| Bottle | 1 L | 516325.00-F10W |
| Canister | 5 L | 516325.00-K05W |
| Canister low | 5 L | 516325.00-KK5W |
| Canister | 10 L | 516325.00-K10W |
| Canister | 25 L | 516325.00-K25W |
| 220 L barrel | 200 L | 516325.00-B220 |
| Drumtainer | 200 L | 516300.00-D220 |
| IBC 1000 L | 920 L | 516325.00-IBC1 |

deconex® TWIN ZYME-z

| Container type | Content | Item number |
|----------------|---------|----------------|
| Canister low | 5 L | 519410.00-KK5W |
| Canister | 10 L | 519410.00-K10W |
| Canister | 25 L | 519410.00-K25W |

Additional information

Before using the products 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.

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