

# deconex® TWIN ZYME-z

## Multi-enzymatic component for deconex® 2-component cleaning systems

For automated reprocessing of medical devices  
including flexible endoscopes and dental  
instruments



### Application

deconex® TWIN ZYME-z is used as a multi-enzymatic component in combination with mildly alkaline deconex® TWIN PH10 or the neutral deconex® TWIN BASIC for uncompromising preparation of all medical instruments and utensils while being extremely gentle on materials.

### Properties

To ensure successful cleaning a system requires a wide variety of modules and activities. In addition to effectively dissolving dirt, it should also be able to break up a variety of contaminants and molecules, feature good emulsifying and dispersing properties which bond water hardness and effectively prevent the build-up of foam and the (re) deposit of silicates and other compounds on the rinsed items as well as in the WD chambers.

To combine all of these activities and modules in a single, storable product concentrate in such a way as to access its maximum performance in later use is extremely difficult and only possible if compromises are made, for example, in terms of stability and cleaning performance. For example, the stability of enzymes is greatly reduced by hardness bonding complexing agents.

The deconex® 2-component cleaning systems allow for these circumstances and separate necessary but at the same time minimally or non-sustainable formulation ingredients right up until the time at which they are diluted with water and used in the WD.

The 2-component cleaning systems such as deconex® TWIN BASIC / deconex® TWIN ZYME-z or deconex® TWIN PH10 / deconex® TWIN ZYME-z, are thus superior to any conventional neutral, neutral-enzymatic or mildly enzymatic 1-component cleaner.

They are highly efficient in the removal of blood, residual tissue, mucous, stool, proteins, fats, carbohydrates and other contaminants from instruments made of various metals, plastics and glass including rigid and flexible endoscopes and dental instruments.

In summary, deconex® TWIN ZYME-z features the following properties as multi-enzymatic cleaning components in the deconex® 2-component cleaners:

- high-performance cleaning at low dosage
- outstanding storage stability
- wide range of material compatibility
- good hard water compatibility
- good rinsability
- no discoloration of instruments or machines
- low-foaming
- EDTA-free
- NTA-free
- biodegradable

### Ingredients

Surfactant compounds, enzymes (protease, amylase, lipase, cellulase), corrosion inhibitor, preservatives

### Dosage

Metered quantities depend on the quality of the water used and on other process and WD parameters.

The recommended dosage range for deconex® TWIN ZYME-z in the 2-component cleaning systems is: 1-2 mL/L

The corresponding dosage ranges for the combinable mildly alkaline and neutral components are:

mildly alkaline:	deconex® TWIN PH10:	2-5 mL/L
neutral:	deconex® TWIN BASIC:	2-5 mL/L

# deconex® TWIN ZYME-z

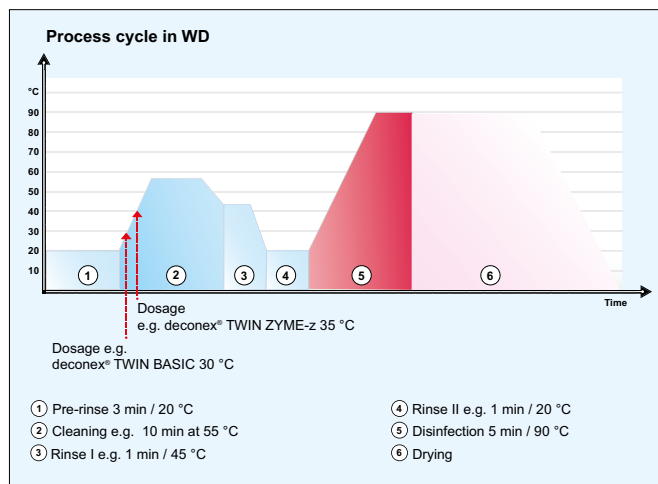
## Information on use

The product can only be used in combination with deconex® TWIN BASIC or deconex® TWIN PH10 in the same wash fleet.

A typical WD program for deconex® TWIN ZYME-z in a 2-component cleaning system with thermal disinfection:

1. 3 min pre-rinse, cold tap water
- 2.a. Dosage of mildly alkaline (deconex® TWIN PH10) or neutral (deconex® TWIN BASIC) cleaner components at room temperature
- 2b. Dosage of deconex® TWIN ZYME-z at 35-40 °C
- 2c. 5-10 min cleaning at 45-55 °C
3. 1 min rinse, warm water
4. 1 min rinse, RO/DI water
5. 1-5 min\* disinfection with RO/DI water at 90 °C\*; dosage of 1 mL/L deconex® 64 NEUTRADRY as rinsing and drying aid
6. Drying

\* 1 min / 90 °C corresponds to A0=600. Some hygienists generally prefer A0=3000 (e.g. 5 min/90 °C)



## Material compatibility

No known material incompatibilities.

## Chemical-physical data

pH value	1% solution in demineralized water	approx. 7.8
Density	concentrate	1.06 g/mL
Appearance	concentrate	clear, yellowish to light brownish fluid

## Packaging

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

## Container sizes

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

## CE marking

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

## Distributor / importer:

## Additional information

The product can only be used in combination with deconex® TWIN BASIC or deconex® TWIN PH10 in the same wash fleet.

Please refer to the product safety data sheet for information about industrial safety, storage and disposal/sewage.

Benefit from our know-how! Ask us for practical information about 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



advanced cleaning solutions