Instructions for use

deconex® POWER ZYME

Highly effective, multi-enzyme concentrated detergent

For manual and automated cleaning of surgical instruments, MiS instruments, dental instruments, anesthetic and ward utensils, and particularly for rigid and flexible endoscopes

Scope of application

deconex® POWER ZYME is a highly effective, multi-enzyme detergent, which can be used for manual cleaning prior to automated cleaning in either with or without irrigation. It is also suitable for manual cleaning of flexible and rigid endoscopes as well as being particulary effective in washer disinfectors.

Properties

Due to its innovative formulation and a combination of four high-quality enzymes (protease, lipase, amylase and cellulase) with surfactants, corrosion inhibitors and stabilizers, deconex® POWER ZYME boasts outstanding cleaning performance and material compatibility, high product stability, a wide range of applications and low dosage. The composition of deconex® POWER ZYME means it can unlock very different organic contaminants, such as proteins, fats, carbohydrates and water-insoluble fibrin, enabling it to remove a wide range of contaminants, such as blood, tissue residues, mucous, stool and other organic contaminants safely and effectively.

deconex® POWER ZYME is low-foaming and free rinsing. It also contains no EDTA or NTA and it is free from potentially allergenic additives such as scent and colourants.

Special features of deconex® POWER ZYME:

- for universal use
- excellent cleaning performance
- pH-neutral
- high material compatibility
- low dosage
- low-foaming
- good rinsability
- EDTA-free
- NTA-free
- free of scent
- free of colourants
- biodegradable

Application and dosage

Manual applications

For manual applications a cleaning temperature between 35-40 °C is recommended for optimal cleaning performance.

Automated applications

The recommended dosing temperature for cleaning and disinfection equipment is 40 °C. The optimal cleaning time at a cleaning temperature of 45-55 °C is 10 min.

Application	Dosage	Temperature	Time
Automated (WD / E-WD):	1-7 ml/l	45-55 °C	5-10 min
Manual (soaking bath):	3-7 ml/l	up to 45 °C	5 min
Ultrasonic bath:	1-5 ml/l	up to 45 °C	5 min

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Recommended dose*

Dosage	soft water [1)]	medium-hard water [1)]	hard water [2)]	temperature
deconex® POWER ZYME	1-3 ml/l	3-5 ml/l	5-7 ml/l	45-55 °C (WD)

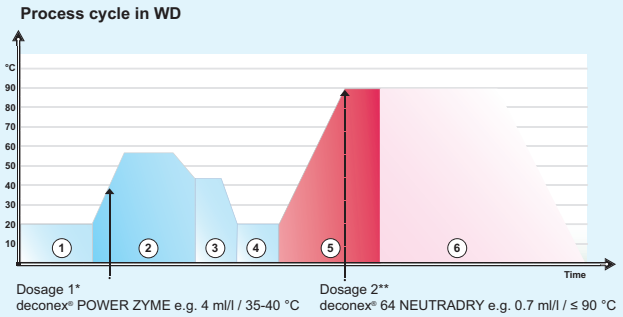
[1)] and normal level of soil [2)] and considerable or stubborn soil
* see also the recommended doses for specific applications

Typical WD process

A typical cleaning and disinfection program using deconex® POWER ZYME is shown below:

1. Pre-rinse: with cold tap water, 3 min
2. Cleaning: with tap water
   Add deconex® POWER ZYME at 40 °C
   Cleaning at 55 °C, 5 min
3. Intermediate rinse I: with warm (40-45 °C) tap water, 1 min
4. Intermediate rinse II: with cold DI / RO-water, 1 min
5. Thermal disinfection: with DI- / RO-water at 90 °C, 5 min, if needed dose of deconex® 64 NEUTRADRY at 90 °C as a drying aid
6. Drying: 10-25 min

WD process diagram



1 Pre-rinse 20 °C / 3 min
2 Cleaning 55 °C / 5 min
3 Rinse I e.g. 40-45 °C / 1 min
4 Rinse II e.g. 20 °C / 1 min
5 Disinfection 90 °C / 5 min
6 Drying 10-25 min

* During the heating-up phase of cleaning
** During the heating-up phase of disinfection

Storage

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

Safety information

Please refer to deconex® POWER ZYME safety data sheet for information about industrial safety and proper disposal.

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

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Product data sheet

deconex®
POWER ZYME

Highly effective, multi-enzyme concentrated detergent

For manual and automated cleaning of surgical instruments, MiS instruments, dental instruments, anesthetic and ward utensils, and particularly for rigid and flexible endoscopes

Ingredients

Surfactant compounds
Enzymes (protease, amylase, lipase, cellulase)
Eorrosion inhibitor
Solubilizer
Sequestering agent
Preservatives

Material compatibility

deconex® POWER ZYME offers very wide-ranging material compatibility.

Suitable for:
Stainless steel, aluminum, anodised aluminum, titanium, copper, brass, and all commonly used plastics, elastomers including polyurethane, silicon, Teflon, rubber and latex. No known material incompatibility.

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

deconex® POWER ZYME has been checked for cytotoxicity in accordance with EN ISO 10993. Expert reports are available upon request.

CE marking

deconex® POWER ZYME satisfies the requirements for medical devices in accordance with the directive 93/42/EEC.

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Physicochemical data

pH Value	1% solution in 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

Type of container	Container content
1 l bottle	1 kg
5 l canister	5 kg
10 l canister	10 kg
25 l canister	25 kg
220 l barrel	220 kg

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.

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