

# Instructions for use

## deconex® 53 INSTRUMENT

### Aldehyde-free instrument disinfectant

For the pre-cleaning and disinfection of all medical and dental instruments



### Scope of application

deconex® 53 INSTRUMENT serves to protect staff during the pre-treatment of medical instruments and is suitable for all medical devices, such as surgical and dental instruments and flexible endoscopes.

deconex® 53 INSTRUMENT combines pre-cleaning and disinfection in the manual pre-treatment of instruments.

It can be used as well for the final disinfection of non-critical medical devices such as stethoscopes, ECG electrodes, basins etc.

### Application

#### Recommended dose:

0.25 - 2 % depending on efficacy required (see table)

#### Recommended use:

Bring product to room temperature.

Prepare the disinfectant solution by diluting to the desired concentration with water.

Before soaking in the disinfecting bath, dismantle the instruments as much as possible. The surface must be totally covered, avoid air bubbles in crevices.

After the contact time, thoroughly rinse the instruments, final rinse step with demineralised water.

A visibly contaminated solution must be replaced immediately. When switching product to deconex® 53 INSTRUMENT, it is recommended the instruments undergo intermediate cleaning e.g. with deconex® 36 INTENSIV-x. If a product containing aldehyde has been used previously, intermediate cleaning is essential.

### Properties

- free from aldehydes
- extremely broad spectrum of activity
- effective against mycobacteria, incl. tuberculosis
- effective against enveloped viruses; also against Adenovirus and Polyoma SV40
- excellent cleaning performance
- can be used in ultrasonic baths
- tested service life of use solution of up to 14 days, depending on level of soil
- certified by VAH (German Association for Applied Hygiene)

### Service life

deconex® 53 INSTRUMENT use solution can be used for up to 7 days under high organic contamination, and up to 14 days under low contamination.

### deconex® TEST 53 INSTRU

deconex® TEST 53 INSTRU test strips are available as required to verify the concentration following dilution and to test active ingredient levels during the service life of a maximum of 14 days.

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## Efficacy

Spectrum of activity	Method	Concentration (%)	Contact time
Bactericidal and levurocidal activity	Standard methods of DGHM (German Society of Hygiene and Microbiology) for instrument disinfection (2001); with high organic contamination	2	5 min
		0.5	15 min
		0.25	30 min
		0.25	60 min
Tuberculocidal and mycobactericidal activity (Mycobacterium terrae, M. avium)	Standard methods of DGHM (German Society of Hygiene and Microbiology) for instrument disinfection (2001); with low and high organic contamination	5	5 min
		2	15 min
		0.5	30 min
		0.25	60 min
Bactericidal and levurocidal activity as per SFHH requirements	Suspension test (as per DGHM 2001); with high organic contamination	0.5	5 min
Efficacy against viruses:			
Active against enveloped viruses incl. HBV, HCV, HIV, influenza	EN 14476 / high contamination: BVDV & Vaccinia	0.25	5, 15, 60 min
		DHBV	EN 14476 / high contamination
Adenovirus	EN 14476 / high contamination	0.5	5 min
		0.25	15, 60 min
Polyomavirus	EN 14476 / high contamination	1	15, 60 min

## Safety information

Please refer to deconex® 53 INSTRUMENT safety data sheet for information about industrial safety and proper disposal.

## Storage

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

### Manufacturer:

#### Borer Chemie AG

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



advanced cleaning solutions

# Product data sheet

## deconex® 53 INSTRUMENT

### Aldehyde-free instrument disinfectant

For the pre-cleaning and disinfection of all medical and dental instruments



#### Ingredients

**100 g deconex® 53 INSTRUMENT contain:**  
2.8 g didecyldimethylammonium chloride  
9.9 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

#### Excipients:

Surfactant compounds, solubilizers, corrosion inhibitors, perfume, dye

#### Material compatibility

Suitable for:  
Aluminum, anodised aluminum, stainless steel, copper, brass, chromed brass, plastics based on polyamide, polyethylene, PVC, POM. For ABS, acrylic glass and polysulfone: depending on type and product concentration.

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

Elastomers, in particular silicone can age more quickly if amine-based disinfectant is used.

#### Physicochemical data

pH Value	1 % solution in tap water	approx. 9.6
Density	concentrate	1.0 g/ml
Appearance	concentrate	green, clear to slightly cloudy

#### Expert reports

deconex® 53 INSTRUMENT has been extensively investigated in accordance with DGHM methods and EN/ISO standards with regard to its efficacy and service life. Expert reports are available upon request.

#### CE marking

deconex® 53 INSTRUMENT satisfies the requirements for medical devices in accordance with the directive 93/42/EEC.

# deconex® 53 INSTRUMENT

## Packaging

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

Dosing aids and disinfection baths are available as accessories, please contact us for advice.

## 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

## 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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