

deconex® 53 PLUS

Aldehyde-free, non-fixing disinfectant for instruments

For the manual disinfection and cleaning of surgical instruments, care utensils and dental instruments as well as of all endoscopes. High efficacy at low concentrations.



Application

deconex 53 PLUS is a disinfectant for instruments and care utensils used in hospitals, e.g. in operating theatres, intensive care and nursing wards. Apart from use for all types of surgical instruments, the application of deconex 53 PLUS explicitly includes disinfection and cleaning of all rigid and flexible endoscopes and anaesthetic utensils. Furthermore, deconex 53 PLUS is also suitable for the disinfection of dental instruments, including drills and other rotation instruments.

Properties

deconex 53 PLUS is free of aldehydes and phenols. The product is very gentle to materials and has substantial cleaning power. Due to a completely new, synergistic formulation principle, deconex 53 PLUS is very effective, despite its comparatively low content of active substances. The high efficiency of the product sets new standards in instrument disinfection. In addition, the excellent spontaneous blood dissolving properties of deconex 53 PLUS allow cleaning and disinfection to be performed in one step.

The useful life of a 1% solution of deconex 53 PLUS, loaded with 0.5% blood and 0.2% albumin, was determined. The contaminated solution was still fully active against *S. aureus* and *P. aeruginosa* after two weeks.



deconex 53 PLUS is also suitable for use in ultrasonic baths.

Spectrum of activity

Bactericide - fungicide - tuberculocide - virus inactivating (HBV/HIV, HCV, adeno virus, papova virus SV-40)

Expert reports

Following expert reports are available:

- Expert evaluation according to DGHM (2 expert reports)
- Effectiveness against hepatitis B
- Efficacy against hepatitis C (tested with BVDV as a surrogate virus)
- Effectiveness against adeno virus
- Effectiveness against papova virus SV-40
- Disinfection effect after different periods of use
- Disinfection effect in ultrasonic baths
- Dermatological expert opinion on an epicutan test

Copies of expert reports are available upon request.

Ingredients

Active substances: 100 g deconex 53 PLUS contains:
3.8 g cocosporylenediamine-1.5-bis-guanidinium acetate,
5.6 g N,N-didecyl-N-methylpoly(oxethyl)ammonium propionate

Auxiliary ingredients:

Corrosion inhibitors, surfactant compounds, solubiliser, scent, dye

(A possible change of colour to light green-yellowish through the influence of light does not have any effect on the efficacy of the product at all.)

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Dosage

Exposure time	5 min	15 min	30 min	60 min
Instrument disinfection (fungi and bacteria, including TbB [<i>M. terrae</i> *)] according to VAH/DGHM		2.0%	1.5%	1.0%
HBV/HIV in the HBsAg-test under protein load		2.0%		1.0%
HCV (tested with BVDV as a surrogate virus)	1.0%			
Adeno virus			4.0%	2.0%
Papova virus SV-40			2.0%	1.0%

Information on use

Before immersion in deconex 53 PLUS, instruments should as far as possible be dismantled or opened. Make sure that all surfaces are completely wetted and that no air bubbles are present in cavities. After treatment, instruments should be thoroughly rinsed with water. The final rinsing step before drying should always be carried out with demineralized water. A visibly contaminated solution must be replaced with a fresh solution. Please ask for our detailed application description for deconex 53 PLUS.

Before using deconex 53 PLUS for the first time after a product change, we recommend that you first clean the instruments with deconex 36 INTENSIV. This procedure is particularly important if an aldehyde-containing disinfectant has been used before and if the instruments contain rubber and plastic parts.

Attention:

The efficacy of deconex 53 PLUS is affected by soap, anionic surfactants and activated chlorine.

Material compatibility

Suitable for:

Aluminium, stainless steel, copper, brass, anodised aluminium, chromium plated brass, synthetic materials, rubber, latex

For materials not mentioned please make your own specific compatibility tests or consult Borer Chemie AG.

Compatibility with rigid and flexible endoscopes is ensured, based on evidence from wide-ranging material tests. deconex 53 PLUS is in the positive lists of Pentax and Karl Storz.

Chemical/physical data

pH	1% solution in demineralized water	approx. 9.0
Density	concentrate	1.00 g/ml
Appearance	concentrate	transparent, green liquid

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Availability

Please ask your local representative about current container sizes.

Containers, screw caps and labels are made of recyclable polyethylene. Dosing aids such as pumps, dispenser, measuring jugs etc. are available. Please ask for corresponding documents.

Additional information

For information concerning safety at work, storage and waste disposal/effluent, please consult the corresponding safety data sheet.

Take advantage of our vast know-how! Please, contact us for further information regarding your specific application.

Manufacturer:

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