

# PERFEKTAN® ENDO

disinfectant for  
instruments and endoscopes

- aldehyde-free preparation with good cleaning properties
- high material compatibility – suitable for the reprocessing of endoscopes
- comprehensive virucidal efficacy

tested by  
STORZ, OLYMPUS-WINTER & IBE, WOLF

- ✓ comprehensive virucidal efficacy
- ✓ free from aldehydes
- ✓ free from phenols



CE 0482

## PRODUCT PROPERTIES

**PERFEKTAN® ENDO** is a powerful aldehyde-free instrument disinfectant for the disinfection and cleaning of instruments by immersion. Its completely new synergistic principle of formulation combines high material compatibility and excellent cleaning properties and sets new standards for instrument disinfection. **PERFEKTAN® ENDO** fulfils all requirements which have been requested by professional users for many years.

**PERFEKTAN® ENDO** contains very efficient corrosion-inhibitors and is free from aldehydes and phenols. Due to its excellent cleaning properties, a combined disinfection and cleaning according to the RKI (Robert Koch Institute) guidelines for instrument and endoscope disinfection is possible in single step. A fixation of proteins is avoided by the aldehyde-free formulation. For the purpose of personnel protection and safety, the disinfection can be done immediately after use without pre-cleaning.

**PERFEKTAN® ENDO** meets the requirements of the German legislation for workplace safety concerning the avoidance of sensitising agents in medical facilities acc. to TRGS 525/540.

## RANGE OF APPLICATION

**PERFEKTAN® ENDO** is ideally suited for the disinfection and cleaning of all kinds of surgical instruments, including instruments for micro-invasive surgery (MIS), anaesthesia material and flexible and rigid endoscopes. Suitable for use with ultrasonic baths and circulation procedures as well as semiautomatic tools in endoscopy. **PERFEKTAN® ENDO** can be used for a rapid disinfection and cleaning in a single-step procedure.

## APPLICATION

Immerse instruments into the working solution immediately after use. Every surface and cavity must be wetted entirely by the working solution. After exposure time, rinse off instruments thoroughly with clean water. A final rinse with demineralised water is highly recommended, followed by

subsequent drying.

The working solution should be replaced depending on the level of soiling. Expert opinions for the standing time of the working solution are available.

**Advice:** For highly soiled instruments, use only additional cleaners based on non-ionic tensides, e.g. **INSTRU PLUS**. For the protective treatment of hinges, use **SPEZIAL ÖLSPRAY**.

## ANTIMICROBIAL PROPERTIES

**PERFEKTAN® ENDO** is:

- bactericidal incl. MRSA (multi resistant Staphylococcus aureus)
- tuberculocidal
- fungicidal (C. albicans) / levurocidal
- virus inactivating incl. HBV/HIV/HCV/BVDV/Vaccinia/Polyoma/Adeno virus, Polio virus (at 50°C)
- sporicidal

## CONCENTRATIONS & EXPOSURE TIMES

bactericidal incl. MRSA and fungicidal (C. albicans) / levurocidal acc. to DGHM/VAH-guidelines	1 % - 60 min
	2 % - 30 min
	3 % - 15 min
TB bacteria (M. terrae)	1 % - 60 min
	2 % - 30 min
	3 % - 15 min
disinfection in combination with ultrasound	1 % - 5 min
	3 % - 2 hrs*
effective against all enveloped viruses acc. to RKI recommendations incl. HBV/HIV/HCV/BVDV/Vaccinia	1 % - 30 min
	3 % - 15 min
	2 % - 60 min
Adeno virus	4 % - 30 min
	1 % - 60 min
Papova/Polyoma virus	2 % - 30 min
	1 % - 10 min
Polio virus (50 °C)	1 % - 10 min
* (qualitative suspension test)	



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# **PERFEKTAN® ENDO** disinfectant for instruments and endoscopes

## COMPOSITION

### 100 g solution contain:

3.75 g cocospropylenediamineguanidine diacetate  
5.63 g didecyloxethylmethyl ammonium propionate

All tensides contained in the product are biodegradable acc. to EU detergent guideline.

## CHEMICAL-/PHYSICAL PROPERTIES

**Appearance:** clear, cyan solution  
**pH-value:** ca. 9.0 +/- 0,5  
**Specific gravity:** ca. 1.005 g/ml

## DELIVERY UNITS

single unit	delivery unit	PZN	REF - No.
1 L dosage bottle	10 x 1 L	1899563	00-121-010
2 L bottle	6 x 2 L	1910632	00-121-020
5 L container	3 x 5 L	1971303	00-121-050

## APPLICATION AIDS

Metering pump for 5-litre container and 2-litre bottle, 1-litre dosage bottle, tap for container, opener for container, automated dispenser unit.

## SPECIAL INFORMATION

Prior to the first use of **PERFEKTAN® ENDO**, all instruments and immersion containers etc. should be cleaned thoroughly with clean water and **DESCO CLEANER** to completely remove chemical residues (aldehydes). For the cleaning of instruments with narrow lumen e.g. endoscopes, the use of **INSTRU PLUS** is recommended.

**PERFEKTAN® ENDO** is not suitable for the disinfection of larynx masks.

Causes burns. In case of contact with eyes, rinse off immediately with plenty of water and seek medical advice. This material and its container must be disposed of in a safe way. Wear suitable protective clothing, protective gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## EXPERT OPINIONS

**Prof. Dr. Schubert**, Hygienist, Frankfurt/M.:

Expert report on instrument disinfection according to VAH/DGHM-guidelines, 2005-12-23.

**Prof. Dr. Werner**, Hygienist, Schwerin:

Expert report on instrument disinfection according to VAH/DGHM-guidelines, 1998-04-16.

**Dr. Steinmann**, Virologist, Bremen:

Expert report on the Adeno virucidal activity, 1999-02-03; the Papova-/Polyoma virucidal activity, 1999-02-03; the Hepatitis B virucidal activity, 1998-09-03; the Polio virucidal activity at 50°C, 2000-08-22, the Hepatitis C virucidal activity (BVDV), 2001-11-14 and the Vaccinia virucidal activity, 2006-07-24.

**Prof. Dr. Trautmann**, Hygienist, Ulm:

Expert report on instrument disinfection using ultrasound, 2000-06-06.

**Dr. Färber**, Hygienist Gießen:

Expert report on the standing time of the working solution, 1997-06-18.

Expert report on sporicidal activity, 1997-07-29.

**Dermatest, Dr. Voß**, Dermatologist, Münster:

Expert report on the skin tolerance, 1997-04-29.

**Olympus-Winter & Ibe**: Material testings with endoscopes, 1999-10-12.

**Karl Storz Endoskope**: Material testings with endoscopes, 2002-03-08.

**Vitalisklinik (Hospital)**, Bad Hersfeld:

Recommendation for the use in fully-automatic dosage unit "Uncleaner D 40" of company Pauldrach GmbH, 2002-03-12.

**BAM (German Institute for material testing)**, Berlin:

Report on diluting concentrates of disinfectants with the help of the measuring machine DG 3 (Henkel), 2000-05-25.

**S. Bosse**, Melsungen: Examination regarding the cleaning abilities of **PERFEKTAN® ENDO**, September 1998.

**Philips Medical Systems GmbH**:

Release of **PERFEKTAN® ENDO** for the application on Philips ultrasonic units, March 2005.

**Richard Wolf GmbH**:

Material testings with endoscopes, 2002-11-28.

## CERTIFICATION & REGISTRATION

Certified and listed in the current disinfectant list of the DGHM/VAH.

Conforms to the EU-guideline 93/42 EC for medical devices.

(VAH = Association for Applied Hygiene)

(DGHM = German Society for Hygiene + Microbiology)

