

## Manual reprocessing

# MANUSHIELD CLEANER

## Liquid detergent cleaner for instruments and endoscopes

- pH-neutral and gentle to materials
- Good cleaning strength and easy to integrate
- Fragrance-free



### Product description

**MANUSHIELD CLEANER** is a concentrate for the thorough cleaning of flexible and rigid endoscopes as well as surgical and dental/medical instruments. As a pH-neutral and material-friendly cleaning agent, **MANUSHIELD CLEANER** is also perfect for cleaning flexible endoscopes. The fragrance-free formulation is surfactant-based, extremely efficient, and can be used at all water hardness levels and in ultrasonic baths. In addition, **MANUSHIELD CLEANER** is compatible with the following disinfectants: PERFEKTAN ENZYME, PERFEKTAN NEU, PERFEKTAN ENDO, PERFEKTAN TB, PERFEKTAN ACTIVE, and DESCOTON EXTRA. This makes it easy to integrate **MANUSHIELD CLEANER** into reprocessing procedures.

### Range of application

Surfactant-based cleaning agent for manual cleaning when reprocessing with subsequent disinfection and/or sterilization. **MANUSHIELD CLEANER** is especially suited for manual cleaning without protein fixation of medical instruments, rigid and flexible endoscopes, as well as endoscopic accessories. Suitable for use in an ultrasonic bath and for pre-cleaning prior to automated processing of medical devices.

### Application

Prepare solution by diluting with suitable water (max. 40 °C) in accordance with national guidelines. **MANUSHIELD CLEANER** must not be mixed with other process chemicals. Cleaning in an immersion bath: Place instruments and endoscopes – following prior preliminary cleaning, where necessary – in the working solution and ensure that all surfaces and cavities are fully wetted. If necessary, allow the air to fully escape from the lumen and clean the instruments mechanically, if necessary, e.g. brushing. Clean endoscope channels mechanically. After cleaning, thoroughly rinse the instruments with water and reprocess them further.

According to the EU Medical Device Regulation, users/patients are obligated to report any serious incident that has occurred in relation to the device to the manufacturer and the competent authority of the EU Member State in which the user/patient is established.

### Application notes

For cleaning in the ultrasonic bath: Do not exceed the sonication time as specified in the manufacturer's instructions or temperatures of 40 °C. Can be used with waters of all hardness levels. Change **MANUSHIELD CLEANER** working solution if there is any visible contamination but at least once every working day.

### Spectrum of efficacy and contact times

Application recommendation for cleaning endoscopes as well as medical and surgical instruments: 1 % (10 ml/L).

Depending on the degree of contamination: 0.25 % (2,5 ml/L) - 5 % (50 ml/L).

### Composition

5 - 15 % non-ionic surfactants, preservative: didecylmethyl poly(oxyethyl)ammonium propionate.

### Material compatibility

The use of **MANUSHIELD CLEANER** is not recommended for the following materials: copper, brass. We only recommend using **MANUSHIELD CLEANER** under certain conditions for the following materials: Polycarbonate (PC), Ethylene- Propylene- Dienemonomer (EPDM), Neoprene (CR).





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### Precautionary and hazard statements

Causes serious eye damage. Harmful to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Avoid release to the environment. Dispose of contents/container to approved disposal company or local collection.

For professional use only by personnel with corresponding specialist knowledge according to national directives.

Read label before use.

Product	Single unit	Content	Delivery unit	REF
MANUSHIELD CLEANER	Bottle	2 L	6	00-104-020E
	Canister	5 L	3	00-104-050E



The availability of the products and container sizes depend on a completed national registration.

Dr. Schumacher is certified according to DIN EN 13485, DIN EN ISO9001, DIN EN ISO14001, BS OHSAS 18011 and has a validated environment management system according to EMAS and is a member of IHO, VCI, BAH, DGSV and of the DGKH. [www.schumacher-online.com](http://www.schumacher-online.com)

