

THERMOTON® NR

liquid cleaner for
chemo-thermal reprocessing of endoscopes

- very gentle to materials
- approved cleaning performance
- pH-neutral

- ✓ with excellent cleaning properties
- ✓ pH-neutral

PENTAX - listed

approved by
STORZ



CE



PRODUCT PROPERTIES

THERMOTON® NR is a **pH-neutral** instrument cleaner for cleaning and disinfection of medical instruments and medical devices in automated washing machines.

Due to its enzyme-free formulation **THERMOTON® NR** is also **suitable** for the chemothermal disinfection and cleaning at **93°C** and therefore can be used in all types of washing machines with BGA- and RKI-programs for sectors of efficacy A and B.

THERMOTON® NR has been tested intensively for a long period in hospitals and medical practises. Due to its excellent cleaning results **THERMOTON® NR** is recommended for all automatic cleaning machines.

A great advantage of **THERMOTON® NR** is the neutral pH-value. The neutral pH-value ensures careful and gentle cleaning. Moreover, additional **rinsing for neutralisation is not necessary** in contrast to all alkaline cleaners.

The saving of the neutraliser, the very low use concentration and the fact that the product is biologically degradable (acc. to OECD-guideline 301D) highlight an ecologically convincing product concept.

Due to its **pH-neutral** and **virtually non-foaming** formulation **THERMOTON® NR** is an ideal pre-cleaner for **THERMOTON® ENDO** for the automated reprocessing of flexible endoscopes at 55 - 60 °C.

APPLICATION AREA

THERMOTON® NR cleans all kinds of surgical instruments, also highly sensitive MIC-instruments, **rigid and flexible endoscopes** as well as materials used in the anaesthesia and sensitive materials such as aluminium, synthetic materials, rubber and silicone.

THERMOTON® NR is also suitable for the chemo-thermal reprocessing of thermostable instruments at 93 °C.

THERMOTON® NR contributes to the maintenance and the lasting value of medical instruments and medical devices. It can already be used at very low user concentrations from 0.3 % and thus it is very economical to use.

THERMOTON® NR is suitable for RKI- (BGA-) as well as Vario-programs and can be used in all types of automated washing machines.

APPLICATION

Put instruments - if possible immediately after the use or after manual reprocessing - into the machine according to instructions (e.g. hygiene plan). Every surface and cavity must be accessible for the washing liquor.

Do not overload machine to assure a complete cleaning of every part of the instrument. Disassemble instruments if needed according to manufacturer instructions and open hinge instruments.

Dental materials which adhere to the dental instruments need to be removed before the reprocessing procedure takes part, this also applies to soda lime residues on breathing systems. To avoid corrosion and discolouration use demineralized water at least for the final rinsing cycle.

Attention (note for program setting):

Do not add at temperatures below 35 °C.

DOSAGE

Reprocessing of surgical instruments and other medical devices:	
depending on level of soiling	0.3 - 0.7 %
For endoscope-reprocessing	0.4 - 0.6 %





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COMPOSITION

Ingredients acc. to EU detergent regulation:
Non-ionic surfactants (5-15 %).

All surfactants contained are biodegradable acc. to EU
detergent guideline.

CHEMICAL/PHYSICAL PROPERTIES

Appearance of the concentrate: clear, cyan solution
pH-value (concentrate): 7.75 + / - 0.75
pH-value (1.0 % solution): ca. 7

DELIVERY UNITS

single unit	delivery unit	PZN	REF-No.
5 L container	3 x 5 L	-	00-119-050
10 L container	1 x 10 L	-	00-119-100
30 kg container	1 x 30 kg	-	00-119-300

APPLICATION AIDS

Tap for container, metering pump for container.

SPECIAL INFORMATION

Avoid contact with eyes and skin.

EXPERT OPINIONS

Prof. Dr. Schubert, Hygienist Frankfurt/M.:
Expert report on the chemothermal cleaning and disinfection
of scopes in an automated endoscopic washer.

Landeshygieneinstitut Mecklenburg Vorpommern:
Examination report on the application of **Thermoton® ENDO**.

Hygiene-Institute, Berlin:
Hygienic report in the endoscopic washing machine BHT
INNOVA E3.

ULM GmbH & Co. KG, Frankfurt/Oder:
Hygiene report on the use in the Olympus endoscopic washer
„ETD 2 plus“.

Univ.-Prof. Dr. rer. nat. Martiny, Berlin:
Testing of the cleaning abilities of **Thermoton® NR** in the
automated washing machine „Adaptascope“ for flexible
endoscopes.

PRODUCT STATUS

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

ENVIRONMENTAL INFORMATION

The products of Dr. Schumacher GmbH are manufactured
according to modern, safe and environmentally friendly
processes. Due to the compliance with high quality standards
the constant and very good product quality can be guaranteed.
The company is certified according to DIN EN ISO 13485, DIN
EN 9001, DIN EN 14001 & BS OHSAS 18001 and has a validated
eco management system (EMAS).

