

## Labomat E (concentrate) enzymatic detergent

Enzymatic cleansing liquid for endoscope washer machines  
(in combination with Endomat Plus virugard)

Medical product of the class I, CE  
Article number 90120 (5 litre canister)

### Type of product:

LABOMAT E is a cleansing concentrate working on the basis of enzymes for cleaning and/or pre-cleaning of medical instruments in re-processing machines (chemical/thermal procedure).

### It has been specially developed for the use for endoscopes.

It has a neutral ph-setting and represents a specially adjusted cleansing system with highly active enzymes. Due to its composition LABOMAT E is very well biologically degradable. Suitable for all washer machines.

### Product properties:

- cleanses thoroughly and material caring
- very economical
- biologically well degradable
- high capability of dissolving blood
- *complies with the recommendation of the DKHG for the cleansing with RF 4 log-steps (pre-rinsing + cleansing) and is tested according to the EN norm 15883*

### Expert opinions:

About the cleansing properties on flexible endoscopes:

Institut für angewandte Hygiene, Graz 2006

About the chemical-thermic disinfection in combination with Endomat Plus:

Prof. Dr. med. Schubert, Frankfurt 2001

„Efficacy of 10 different cleaning processes in a washer-disinfector for flexible endoscopes” Charité-University-Medical-Science, Campus Benjamin Franklin, Berlin - 2005

Labomat E was tested along with 9 other comparable detergents and was among those with excellent results (3 other detergents from well known manufacturers however were discarded: “No significant difference between use of water alone and the cleaning process was found with three cleaning processes :...”)

### Manual Pre-Cleansing:

According to the degree of dirt a pre-cleansing step has to be carried out taking into account the recommendations of the endoscope manufacturers. Only suitable detergents are to be used. We recommend the enzymatic cleaner Instru Zym. For a cleansing disinfection aldehyde-containing products like Instru Plus are to be preferred.

If aldehyde free preparations are used for this reprocessing step, like for example Endo Star, the endoscopes have to be thoroughly rinsed with water before the mechanical reprocessing.

### Usage instructions for LABOMAT E for re-processing machines:

LABOMAT E is used as a 0,5 % usage solution.

The re-processing temperature should be between 35° and 40° C.

The usage concentration is adjusted automatically by the dosing pumps of the used re-processing equipment.

LABOMAT E is used as a 0,5 % usage solution (5 min).

The following water qualities are recommended: drinking water quality for the usage solution. A final rinsing after a completed re-processing procedure should be carried out with demineralised water.

**The operating instructions, working programmes and adjustments of the re-processing machines have to be observed according to the specifications of the machine manufacturers.**

### Instruments

mechanical treatment of instruments



### Ingredients:

Special enzyme mixture, proteases, amylases, non ionic surfactants, glycol, corrosion inhibitors, preservatives.

### Available sizes: CE

5 litre canister

### Chemical-physical data:

Appearance: slightly yellowish, clear  
Density 20°C: 1,036 - 1,042 g/cm<sup>3</sup>  
Ph-value: circa 6

Labomat E is to be stored cool

### Storage conditions:

do not allow temperatures below 0 °C or above 30 °C; do the product not expose to direct sunlight; keep the store dry

### Shelf life:

3 years