

Endomat Plus Viruguard (concentrate) aldehyde based

Instrument disinfectant for the chemo-thermal reprocessing in washing machines

Medical product of the class IIb, CE 0481
Article number 90170 (3 x 5 litre canister)

Type of product:

ENDOMAT PLUS VIRUGUARD (disinfectant) and **LABOMAT E** (enzymatic detergent) are to be used in combination and form a system for the chemical-thermal reprocessing of rigid and flexible endoscopes and accessories in all common fully automatic washer machines. The preparations are suitable for the reprocessing according to **EN 15883-4**. They comply with the requirements of **EN 14476** and with the EN norms for the disinfection of instruments.

ENDOMAT PLUS VIRUGUARD is an instrument disinfectant on the basis of a classical aldehyde formula for washer machines which disinfect in the temperature range of 50-56°C.

Product properties:

- quickly and comprehensively effective
- bactericidal, fungicidal, tuberculocidal (incl. *M. terrae*)
- effective against all enveloped viruses
- tested against Parvo according to EN 14476
- very economical
- very good material compatibility
- foam free
- tested according to the EN norms for instrument disinfection and the recommendations of the Robert Koch Institute "testing and declaration of the efficacy of disinfectants against viruses"
- complies with the requirements of EN 15883-4 for the disinfection, in the worst case scenario with RF > 5 log steps
- successfully tested for material compatibility by Karl Storz

Expert opinions:

Virucidal efficacy (Parvo) according to EN 14476:A2:2009-04
Dr. Jochen Steinmann, Bremen, 2009

Bactericidal, tuberculocidal, fungicidal efficacy according to EN 13727, EN 14348, EN 13624:
HygCen GmbH, Schwerin, 2009

Sporicidal efficacy (*Clostridium difficile*) EN 13704:2002,
Dr. Brill + Partner GmbH, Hamburg, 2009

Expert opinion on procedure in RDG-E washer machine according to EN 15883-4:
HygCen GmbH, Schwerin, 2009

Chemical-thermal reprocessing :

The mechanical cleansing is carried out with the enzymatic detergent LABOMAT E, the disinfection with ENDOMAT PLUS VIRUGUARD. The dosage is carried out automatically by the dosing pump of the machines. For the cleansing step we recommend a temperature between 35°C and 40°C. Higher temperatures can cause coagulations. Temperatures of the intake water clearly below 35°C can cause the formation of foam. LABOMAT E and ENDOMAT PLUS VIRUGUARD are fitted with lime inhibitors in order to prevent depositions of lime in the washing chambers and on the endoscopes. It is recommendable to make the final rinse with fully desalted water. The instructions of the machine manufacturers for the installation and maintenance have to be followed. Ion exchangers are to be regenerated in due time.

Instruments

mechanical treatment of instruments



Spectrum of effect:

Bactericidal, mycobactericidal, fungicidal, tuberculocidal (*M. terrae*; 1% - 5min), virucidal incl. Parvo (1% - 5min) and against all enveloped viruses incl. HBV/HIV/HCV, sporicidal (1% - 5 min)

Active ingredients in 100g:

20g glutaraldehyde

Chemical-physical data:

Appearance: clear, slightly yellow liquid
Density: circa 1,04 g/cm³
Ph-value: circa 4,5
Refractive index: circa 1,380

Available sizes: CE 0481

5 litre canister

Shelf life:

3 years

Storage conditions:

Do not allow temperatures below 0°C above 30°C; do the product not exp. direct sunlight; keep the store dry.

Pre-Cleaning:

see Labomat E

Application and dosage:

The dosage is carried out automatic the dosing pump of the machine.

Pre-cleaning:

Labomat E: 0,5 %

Disinfection:

Endomat Plus Viruguard: 1% - 5 minutes

(Please pay attention to the indication the corresponding machine and instrument manufacturers)