

Endo Star (concentrate)

aldehyde free disinfectant

Medical product of the class IIb, CE 0481
Article number 90060 (2-litre bottle), 90061 (5-litre canister),
90062 (150ml bottle)

Type of product:

The product ENDO STAR is a highly effective **aldehyde- and phenol-free** instrument disinfectant with excellent cleansing qualities. A new, innovative combination of active agents ensures a complete, quick and material caring effectiveness with very low usage concentrations. EndoStar is suitable for the reprocessing of **all thermostable and thermolabel instruments, especially also for anaesthetic accessories, flexible endoscopes and endoscope accessories**. Due to the low emission and low formation of foam EndoStar is also suitable for the ultra sonic bath (3 % - 5 min).

Tested and released for **material compatibility** by three leading endoscope manufacturers of the world: **Karl Storz** (Germany) , **Richard Wolf** (Germany), **Pentax** (Japan).

Certification by University and Scientific Institutes expert opinions (latest ones):

Bactericidal, fungicidal incl. Aspergillus niger, tuberculocidal incl M. Terrae, myco-bactericidal according to standard method of the DGHM and EN norms: (prEN 13624, 13727, 14348, 14561, 14562, 14563):

Hygiene Nord GmbH, Greifswald 2004

Standard method of the DGHM:

Prof. Dr. Schubert, Frankfurt 2000

Prof. Dr. Wille, Giessen 2000

Efficacy against covered viruses:

BVDV/ Vaccinia:

Dr. Steinmann, Bremen 2004

Efficiency against HBV/HIV:

Dr. Steinmann, Bremen 2000

Dr. Steinmann, Bremen 2004

Standard method of the DGHM and according to DIN EN 13727, DIN EN 13272, DIN EN 13624 and pr EN 14348:

Hygiene Nord GmbH, Greifswald 2004

M. Terrae efficacy:

Hygiene Nord GmbH, Greifswald 2004

Listed in the disinfection list of the German Society of Hygiene and Microbiology (**DGHM**)

Dosage and usage: to be diluted in distilled or at least drinking water (best: 20-25°C). Immerse the instruments immediately after use. All surfaces and hollow spaces have to be covered resp. filled. Pay attention to the application concentrations and the working times. Take out the instruments, rinse them thoroughly with water and dry them.

Before the disinfection the instruments have to be cleaned (preferably with the enzymatic cleaner InstruZym).

1% (10ml) concentrate + 99% (990ml)	water effective time 1 hour
2% (20ml) concentrate + 98% (980ml)	water effective time 30 min
3% (30ml) concentrate + 97% (970ml)	water effective time 15 min
3% (150ml) concentrate + 97% (4.850ml)	water effective time 15 min

Instruments

manual treatment of instruments



Spectrum of effect:

Bactericidal, fungicidal (incl. Aspergillus niger), tuberculocidal (incl. M-terrae), virus-inactivating (incl. HBV/HIV/Vaccinia, BVDV-HCV), MRSA

Main advantages:

+ highly effective with 1, 2 or 3 %; + without emission and smell; + powerful cleaning; + very economical, + excellent material compatibility, + biologically degradable, + good skin tolerance with unintended short-contact.

Active ingredients

100gr contain:

10,0g Quaternary Ammonium Compounds (alkyldimethylammoniummethosulfate)

2,0g Polyhexamethylenbiguanide,

3,6g Cocospropylendiaminguanidinium-acetat, other ingredients: surfactants, corrosion inhibitors, ph-value regulators.

Chemical and physical data:

Appearance: clear, slightly amber-coloured liquid

Odour: almost none

Density: aprox. 1g / cm³

PH-value: 9,5

PH-value of the 1%-usage

solution: ca. 8,5

Available Sizes: CE 0481

150ml portion bottle, 2-litre bottle and 5-litre canister (other filling units on demand)

Shelf life:

3 years

- for this quantity we offer a 150ml bottle; the user simply pours the contents of the bottle into an empty standard tub of 5 litres volume and fills then the tub up with water until the 5 litre mark (with 4.850ml water) avoiding like this problems and complications with the dosage procedure.

Drinking water can be used for the **final rinse** if it does not contain pathogen germs, otherwise distilled water. If the water is very hard or if its chloride content is high, we recommend for the final rinse fully desalted water.

For the **ultra sonic bath**: water temperatures above 45 °C are to be avoided.

The operating and reprocessing **instructions of the manufacturers** have absolutely to be followed, especially the remarks concerning cleaning, disinfection, rinsing, drying and storage.

The EndoStar usage solution does not loose its efficiency in the presence of protein (blood) and can therefore be used several times. When immersing well pre-cleaned instruments the solution can be effective up to 7 – 14 days. However, if the solution becomes turbid it should be changed.

Change of preparation:

EndoStar is **not** compatible with **aldehyde based disinfectants**. Before the first use and when changing the type of disinfectant the instruments and accessories, the tubs and reprocessing equipments as well as the application aids have to be cleaned and rinsed thoroughly. For a better cleaning before first use we recommend InstruSolForte.

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

Reuse life:

until 14 days (depends on the degree of soiling)

