

STERILE. SINGLE-USE. PROBLEM SOLVED.

Ambu's sterile and single-use duodenoscopes eliminate the cost and uncertainty of reprocessing your conventional duodenoscopes. Research suggests that the 100+ step process leaves many chances for error. The end result is that cleaning endoscopes is becoming increasingly difficult.



Ambu

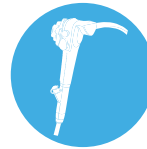
HIGH-LEVEL DISINFECTION (HLD) IS THE INDUSTRY STANDARD TO CLEAN AND REPROCESS CONVENTIONAL ENDOSCOPES.

A randomized study comparing HLD, double HLD, and HLD and sterilization together showed **no cleaning method could reduce colony-forming units on each endoscope to the level under 10.** There was no difference between these methods at reducing colony-forming units. (Snyder et al., 2017)

Despite following reprocessing procedures, **15 percent of duodenoscopes tested were contaminated with microorganisms from the GI tract or oral cavity.** (Rauwers et al., 2018)

One study found that **75 percent of the 124 duodenoscope samples obtained were contaminated with more than 10 colony-forming units.** Three out of the four duodenoscopes were not able to be successfully disinfected even after multiple rounds of HLD. (Cristina et al., 2020)

A study found **18 percent of duodenoscopes had positive cultures after standard HLD.** This is despite the manufacturer-recommended reprocessing guidelines and CDC-recommended culturing protocols being followed. (Mark et al., 2020)



Ready for Use



Use



Surveillance Culturing



Bedside Pre-cleaning



Drying & Storage



Packing

HIGH-LEVEL DISINFECTION PROCESS



Transport



Transport



High-Level Disinfection & Rinsing



Leak Testing



Visual Inspection & Bioburden Testing



Manual Cleaning

If you would like more information or a customized analysis of the cost of reusable duodenoscopes in your facility, please contact our team of public health professionals at US-HealthEcon@ambu.com



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References: Mark et al., Results of duodenoscope culture and quarantine after manufacturer-recommended cleaning process. *Gastrointestinal Endoscopy*. 2020 Jan 13; 91 (6): 1328-1333. Cristina et al., Is Post-Reprocessing Microbiological Surveillance of Duodenoscopes Effective in Reducing the Potential Risk in Transmitting Pathogens?. *Int J Environ Res Public Health*. 2020 Jan; 17(1): 140. Rauwers et al., High prevalence rate of digestive tract bacteria in duodenoscopes: a nationwide study. *Gut*. 2018 Sep;67(9):1637-1645 Snyder et al., Randomized Comparison of 3 High-Level Disinfection and Sterilization Procedures for Duodenoscopes. *Gastroenterology*. 2017 Oct;153(4):1018-1025