DECTM Video Duodenoscope
ED34-i10T2

Lock in. Elevate your care.
PENTAX Medical is delivering a unique and innovative advancement in cleaning capabilities for infection prevention and control: the Video Duodenoscope ED34-i10T2, with the single-patient use, sterile, disposable elevator cap (DEC™).

This pioneering solution for diagnostic and therapeutic endoscopic retrograde cholangiopancreatography (ERCP) procedures combines improved medical device hygiene clinical control with HD image quality (HD+) and procedural performance.

DEC™ with its disposable elevator responds to the need for enhanced patient safety in endoscopy. This need comes as a result of increasing incidences of Carbapenem-resistant Enterobacteriaceae (CRE) and other infections, which may be linked also to improper cleaning and/or disinfection of a duodenoscope’s elevator mechanism.
The PENTAX Medical Video Duodenoscope ED34-i10T2 combines a sterile disposable elevator cap (DEC™) for single-patient use and simple disposal that advances cleaning capability of the duodenoscope to help reducing risk of cross contamination and improve patient care with High-Definition image quality for detailed endoscopic visualization during ERCP procedures.

**Maximize infection prevention, reduce risk**

The DEC™ allows simplified reprocessing and increased cleaning capability, and thus helps reducing the risk for cross-contamination.

**Reliable therapeutic performance**

PENTAX Medical’s first duodenoscope with a disposable elevator that offers HD image quality for detailed visualization of the papilla for high precision in ERCP procedures.

**Reprocessing operational efficiency**

35% reduction in distal end reprocessing* due to better access for cleaning and disinfection as well as disposability of the elevator.

*In comparison to the standard duodenoscopes of the major manufacturers. Source: PENTAX Medical internal benchmarking.
Maximize infection prevention, reduce risk

Risks factors associated with endoscope infection outbreaks

“ERCP is associated with the highest risk of infectious complications among all gastrointestinal endoscopic procedures.”

The PENTAX Medical solution

The innovative design of the PENTAX Medical DECTM Duodenoscope introduces a unique solution in the market and simplifies the overall reprocessing process.

The elevator cap is designed as a disposable component

The elevator area of the duodenoscope is one of the most difficult components to clean. With the DECTM Duodenoscope design, this challenge is overcome through the elevator integration into the disposable distal end cap.

“Manufacturers may consider enhanced design to ensure the adequate reprocessing of ERCP endoscopes and other complex reusable instrumentation, to further minimize the risk of disease transmission during GI endoscopy.”
Muscarella et al. World J Gastrointest Endosc 2014 October 16; 6(10): 457-474 ISSN 1948-5190

Reported infections following ERCP in the U.S.

Reliable therapeutic performance

Confidence when delivering therapy

The ED34-i10T2 is a duodenoscope providing High-Definition endoscopic images for routine and therapeutic ERCP procedures. HD+ combined with i-scan allows for better visualization of the lesion and facilitates easier cannulation. Combined with i-scan and i-scan OE, detailed visualization of the mucosal structures is possible to support detection and characterization of lesions and help locate the minor papillae.

Precise control

Material couplings and the disposable design allow the use of a new elevator every time a procedure is performed, with no risk of wear-out-effects.

The improved elevator shape and ergonomic design of the duodenoscope facilitate easy cannulation as well as precise and controlled positioning of devices during ERCP procedures.

Optimized visualization

HD+ imaging allows better visualization and anatomical interpretation of papillary structures, for an easier cannulation of the ducts. i-scan can be used to highlight and assess lesions.
Reprocessing operational efficiency

The re-engineered and innovative distal end of the PENTAX Medical DECTM Duodenoscope allows direct access and exposure to critical surfaces for brushing, cleaning and disinfection.

**The disposable elevator cap: better benefit through disposability**

Thanks to the distal end cap’s single-patient-use design with its integrated elevator there is no need for elevator reprocessing.

**Distal end with open access**

The DEC™ Duodenoscope distal end, a crucial element for the prevention of patient infection, has been designed to offer easier access for brushing.

PROfILE single-use cleaning brushes were made to meet the high-quality standards of PENTAX Medical engineering. These brushes have been specifically designed for PENTAX Medical and were tested to reduce residual soil compared to legacy brushes.

PENTAX Medical recommends to reprocess the DEC™ Duodenoscope by using PROfILE single-use cleaning brushes.

Find out more about PENTAX Medical hygiene solutions here:

www.the-hygiene-solution-that-fits.com

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*35% reduction in steps for distal end reprocessing*  
*In comparison to the standard duodenoscopes of the major manufacturers. Source: PENTAX Medical internal benchmarking.*
Training for Excellence

PENTAX Medical Training for Excellence is a unique platform with the aim of offering professional education and supporting the exchange of best practices. This training platform forms part of PENTAX Medical’s drive to improve quality in endoscopy.

www.training-for-excellence.eu

my PENTAX Medical:
The exclusive online customer portal

The “my PENTAX Medical” customer portal provides you with 24/7 access to all online services, including manual downloads, repair requests and tracking, as well as training and events registration.

- Convenient access to all PENTAX Medical online services via one platform
- Allows 24/7 access from desktop and mobile devices
- Always updated with the latest information
- Easy access to the contact details of all your PENTAX Medical partners

How to join
www.mypentaxmedical.eu

1. As our customer, you receive your personal set-up credentials together with your personal membership card.

2. You can create a personalized account on “my PENTAX Medical” using the initial set-up credentials.

3. Please ensure you record your personal password on the membership card or in a safe place.

4. For using your account in the most convenient way, you can organize and set up your departments and equipment as you need.
This product must be used only by healthcare professionals. Before usage and for detailed product specifications, please refer to the instructions for use. In the interest of technical process, specifications may change without notice.