ENDOPATH XCEL® Trocars with OPTIVIEW® Technology

The only trocar that reduces smudging of the endoscope/scope upon reinsertion

Wipe
Wick
Absorb

fluid buildup inside the trocar

OPTIVIEW Technology components
Not all ports require the same level of trocar functionality. That’s why Ethicon developed a portfolio of trocars that offers the flexibility to choose the right trocar with the right level of functionality, when and where it’s needed. ENDOPATH XCEL® Trocars with OPTIVIEW® Technology are designed to reduce smudging of the endoscope upon reinsertion by wiping, wicking and absorbing fluid that builds up inside the trocar.

Frustrated by constantly having to clean your endoscope?

**Smudging upon endoscope reinsertion**

- Necessitates frequent rewiping
- May disrupt procedural flow
- May lead to surgeon distraction

**How does endoscope reinsertion lead to smudging?**

Intraoperative smudging may require periodic removal of the endoscope for cleaning.

- As the endoscope is removed, fluid from the endoscope shaft often remains trapped within the trocar’s seal system
- Upon endoscope reinsertion, trapped fluid may be reapplied to the scope lens, causing smudging
ENDOPATH XCEL® Trocars with OPTIVIEW® Technology minimize endoscope recleanings

How OPTIVIEW Technology works

OPTIVIEW Technology wipes, wicks and absorbs to decrease smudging during camera reinsertion, reducing the need to rewipe the endoscope.1 Proprietary technology wipes bodily fluid and debris from the endoscope shaft as it is removed from the trocar. The fluid is drawn into the absorbent material before it has a chance to enter the trocar seal, so it can’t interfere with the endoscope lens upon reinsertion.

To watch a video demonstrating how OPTIVIEW Technology works, go to ethicon.com/xceloptiview
The benefits of ENDOPATH XCEL® Trocars, with smudge mitigation

Low insertion force
Provides controlled and predictable entry.
• ENDOPATH XCEL Bladeless Trocars with OPTIVIEW® Technology have the lowest peak insertion force compared to leading Covidien, Applied Medical and Taut® bladeless trocars.

Abdominal wall retention
Integrated thread design on bladeless, universal sleeve and dilating tip cannulas helps minimize trocar slip-outs.
• Greater stability demonstrated in bladeless trocars:
  – 5mm ENDOPATH XCEL Bladeless Trocars with OPTIVIEW Technology have twice as much peak retention force compared to leading 5mm Applied Medical trocars with threaded sleeves.
  – 12mm ENDOPATH XCEL Bladeless Trocars with OPTIVIEW Technology have higher peak retention force than leading 12mm Applied Medical bladeless trocars.

Low drag force
Housing and seal are designed to reduce instrument hang-ups and to provide low instrument insertion/extraction forces.

Direct visualization
Bladeless tip trocar allows for endoscopic optical entry.

ENDOPATH XCEL Trocars with OPTIVIEW Technology are available in 5mm and 12mm Bladeless Trocars, Dilating Tip Trocars and Universal Sleeves. Also available in 12mm Blunt Tip Trocars.
ENDOPATH XCEL® Trocars with OPTIVIEW® Technology cut endoscope rewipes in half\(^1\)

Most effective smudge mitigation vs leading trocars

![Chart showing percentage of insertions with less chance of requiring a rewipe (Q<92) for ENDOPATH XCEL Trocars with OPTIVIEW Technology, ENDOPATH BASX® Trocar, Covidien Versaport™, and Applied Medical Kii® Trocars.]

OPTIVIEW Technology is more effective at reducing rewipes\(^1\)

- **5mm trocars**
  - At least **59% more effective** than Covidien Versaport™ and VersaStep™ Bladeless Trocars
  - At least **58% more effective** than Applied Medical Kii® and Kii Fios® Trocars

- **12mm trocars**
  - At least **66% more effective** than Covidien Versaport and VersaStep Bladeless Trocars
  - At least **74% more effective** than Applied Medical Kii and Kii Fios Trocars

Reduced smudging means fewer procedural disruptions\(^1\)

- Reduces the disruption of rewiping the endoscope
- Minimizes the cumulative time spent needed to clean the endoscope
ENDOPATH XCEL® Trocars with OPTIVIEW® Technology

Designed specifically for camera ports, ENDOPATH XCEL Trocars with OPTIVIEW Technology reduce smudging during endoscope reinsertions by wiping, wicking and absorbing fluid buildup in the trocar.

Schedule a demo today and see the difference for yourself. Contact your Ethicon Sales Professional or visit ethicon.com/xceloptiview

References:
1. Comparing mean number of insertions for 5mm trocars out of 10 insertions with a quality index score of 92 or higher for 2B5LT (6.4 insertions) to COQ04/CF03/CTR02/CTF03/CF13 (0.5 insertions), NB5STF/V510005 (1.4 insertions) in benchtop tests, P<0.05. Comparing mean number of insertions for 12mm trocars out of 15 insertions with a quality index score of 92 or higher for 2B12LT (11.6 insertions) to CTF73/COM29/CFB3/CFB73/CFR73/CO47 (10.4 insertions), NB12STF/V310012P (16 insertions) in benchtop tests, P=0.05. Quality index score of 92 or higher indicates a less than 20% chance of having to rewipe the endoscope lens due to trocar induced smudging.
2. Comparing mean abdominal wall peak insertion forces of 2B5LT/B5LT (10.7lb) to CFR03/CF03 (21.5lb), CTR03/CTF03 (12.5lb), COQ04/CF13 (12.2lb), NB5STF (12.0lb) and 40510 (12.7lb) and mean abdominal wall peak insertion forces of 2B12LT/B12LT (19.2lb) to CTF73 (23.1lb), COR29/CFI83 (24.3lb), CFR73/CF173 (31.7lb), NB12STF (29.6lb) and 41210 (26.0lb) in a preclinical model, P<0.05.
3. Comparing mean abdominal wall retention forces of 2B5LT/B5LT (8.3lb) to CFR03/CF03 (4.1lb), CTR03/CTF03 (4.1lb) and COQ04/CF13 (4.1lb), in a preclinical model, P<0.05.
4. Comparing mean abdominal wall retention forces of 2B12LT/B12LT (16.1lb), CTF73 (8.8lb), CFR73/CF173 (14.4lb) and COR29/CF183 (11.9lb) in a preclinical model, P<0.05.

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