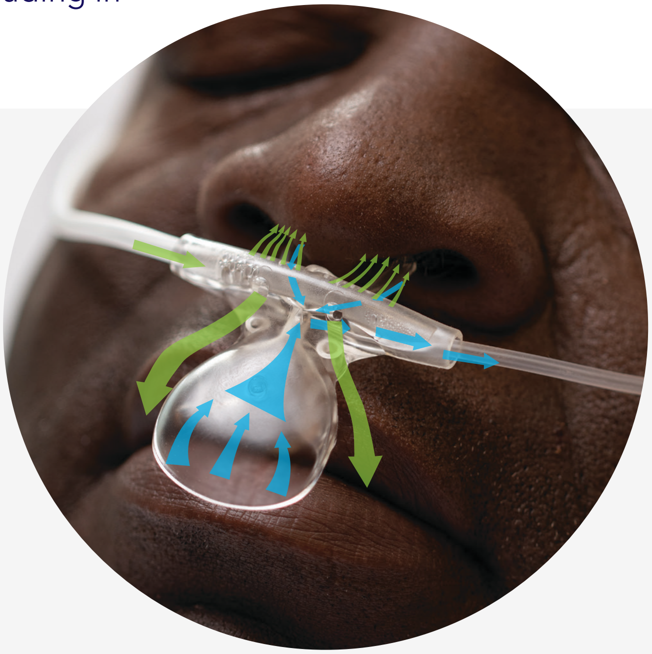
Capnography monitoring – simplified for your ASC

Microstream™ Luer sampling line portfolio

Microstream™ Luer sampling lines offer reliable capnography monitoring for both intubated and non-intubated patients in the ambulatory surgery center (ASC) setting, with or without supplemental oxygen.

Compatible with most sidestream monitors featuring a standard Luer input connector, Microstream™ Luer sampling lines are designed for consistent, accurate CO_2 readings[1] (including in pre-op, the operating room, and post-op).



Capture CO_2 with confidence – not compromise

- **Oral scoop design:** wide surface area captures CO_2, even in the presence of shallow breathing.[2]
- **Dual-nare sampling:** Can be important for when patients experience nasal cycling, which is estimated to occur in 80 percent of the healthy population.[3] Septal deviation is also common and is estimated to occur in 86.6 percent of the general population.[4]
- **Integrated oxygen delivery:** delivers up to 5 L/m of O_2 without diluting CO_2 samples.[5]

Flexible. Accurate. Accessible.

Non-intubated and intubated options for flexibility in patient care.

Innovative Uni-junction™ technology helps enable accurate sampling from both nares and the mouth.[1, 5-8]

Designed for seamless integration with common capnography monitors, making it an accessible option for the ASC environment.

Ordering information

Microstream™ Luer sampling lines for non-intubated patients – short-term use†

Item number	Size	Description	Configuration	Length	Length (ft)	Length (cm)	Units per box
MLA	Adult	Oral/nasal	O_2 tubing male connector	Standard	6.5	200	25
MLAO	Adult	Oral/nasal	O_2 tubing female connector	Standard	6.5	200	25
MLA100U	Adult	Oral/nasal	O_2 tubing male connector	Standard	6.5	200	100
MLAO100U	Adult	Oral/nasal	O_2 tubing female connector	Standard	6.5	200	100
MLPO	Pediatric	Oral/nasal	O_2 tubing female connector	Standard	6.5	200	25
MLANO	Adult	Nasal	O_2 tubing female connector	Standard	6.5	200	25
MLPNO	Pediatric	Nasal	O_2 tubing female connector	Standard	6.5	200	25
MLABO	–	Bite block	O_2 tubing female connector	Standard	6.5	200	25
MLABOL	–	Bite block	O_2 tubing female connector	Long	13	400	25

Microstream™ Luer sampling lines for intubated patients – short-term use†

Item number	Size	Description	Configuration	Length	Length (ft)	Length (cm)	Units per box
MLAI	Adult	–	For use with ETT > 4.5 mm	Standard	6.5	200	25

Microstream™ Luer sampling line accessories†

Item number	Size	Description	Configuration	Length	Length (ft)	Length (cm)	Units per box
010555	–	–	Male/male luer adapter	–	–	–	25
010989	–	–	Airway adapter	–	–	–	25
ML	–	–	CO_2 sampling line	–	–	–	25

Smarter CO_2 monitoring starts here

Get started with Microstream™ Luer sampling lines

1. Based on internal report D006122, Report for evaluation testing against Welch Allyn products for Omnistream and Surestream products - All tests performed at 50, 90 and 175ml /min flow rates. (Welch Allyn was used as an example of monitors with different flow rates)
2. Based on internal report D005621, EtCO2 monitoring of nonintubated patients receiving oxygen and any form of sedative drugs (protocol, see objectives one and two). 2020.
3. Marshall SG, Henry NR, Russian CJ. Right Versus Left Prong Nasal Cannula Flow Delivery and the Effects of Nasal Cycling on Inspired F(IO2) in an Adult Anatomic Model. *Respir Care*. 2016;61(4):397-404.
4. Alghamdi FS, Albogami D, Alsurayhi AS, et al. Nasal Septal Deviation: A Comprehensive Narrative Review. *Cureus*. 2022;14(11):e31317.
5. Based on internal report D005886, Evaluation Testing with the New Version of the Adult /Intermediate Smart CapnoLine Plus, an Injection Molded, One-Piece Cannula (Appendix 5 .3 & 5 .4 relate to accuracy even with up to 5Lit /min O2)
6. Based on internal report D005655, Clinical Validation Test -CO2 Oral Nasal FilterLine, Adult, Intermediate and Pediatric -Healthy Patients (Protocol, See Objectives Chapter 3)
7. Based on internal report D05658, Clinical Validation Test -CO2 Oral Nasal FilterLine, Adult, Intermediate and Pediatric -Healthy Patients (Report, See Conclusions, Chapter 3 .1 and Analysis of Results, Chapter 5)
8. Based on internal report D005655, Clinical Validation Test -CO2 Oral Nasal FilterLine, Adult, Intermediate and Pediatric - Healthy Patients (Protocol, See Objectives Chapter 3)

† The Microstream™ capnography monitoring system should not be used as the sole basis for diagnosis or therapy and is intended only as an adjunct in patient assessment.

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