



PHILIPS

Capnography

Sampling lines

Patient comfort is a priority

Microstream™ Advance Sampling Line portfolio

Microstream™ is a trademark of Medtronic, Inc.
All specifications are subject to change without notice.

We know it's the little things that create the biggest impact for your patients – and for you. From how a device touches their skin to the smells that remind them they are away from home.

This led to the redesign of the capnography sampling lines. They continue to deliver the reliability and accuracy¹ associated with Microstream™ technology, but now feature an enhanced scent and softer, kink-resistant tubing.

Because when patients are comfortable, you're comfortable.

¹Internal studies: Report clinical accuracy and low sat, Covidien 10096850 revA, 2012; RE0085099 revA 2016; MDT16018PMC10U 2017;



Tubing enhances the comfort of the sampling line on the patient's face. The scent of the plastic and the placement of the drying element on the extended duration sampling lines helps with the patient experience. The placement maintains the integrity and trusted drying performance of the extended duration sampling lines.

The sampling lines include kink-resistant O₂ tubing, and instructions for proper placement.

Microstream™ capnography sampling lines at a glance

Sampling line portfolio

Microstream™ Advance filter lines are ideal for use with Philips multiparameter monitors equipped with Microstream™ technology:

- Microstream™ CO₂ extension (867041)
- IntelliVue MP5 portable patient monitor (865024) and MP5SC spot check patient monitor (865322)
- Efficia CM10 (863301), CM12 (863303), CM100 (863300), CM120 (863302) and CM150 (863304) patient monitors
- Efficia Microstream CO₂ module (863335)
- Patient Monitor 6100, 6300, 6500 (867311, 867313, 867315)

Short specifications

- Single patient use only.
- All Microstream™ Advance filter lines are DEHP-free
- Adult/pediatric products are intended for use with ETT tube size > 4.5 mm; the adapter dead space is < 6.6 cc and the weight is 7.0 g
- Infant/neonate products are intended for use with ETT tube size ≤ 4.5 mm; the adapter dead space is < 0.5 cc and the weight is 3.8 g
- All lines are MRI compatible except 989803223291, 989803223301, 989803223321, 989803223331, 989803223471, 989803223481, 989803223491, 989803223501, 989803223511, 989803223341, 989803223371, 989803223381, 989803223611, 989803223621, 989803223421, 989803223431

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Microstream™ Advance filter lines are available in different configurations:

All have connectors with a single twist, for a tight seal to the monitor

- Orange connectors designate short term use
- Yellow connectors designate use for extended duration



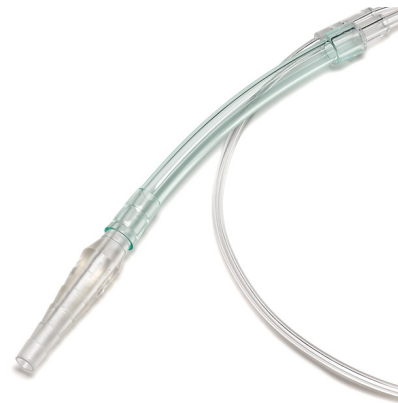
Short term use



Extended duration

Some lines have an oxygen connectors:

- Male
- Female



Male



Female

Microstream™ Advance sampling lines

Non-intubated patient, short term use: procedure/emergency

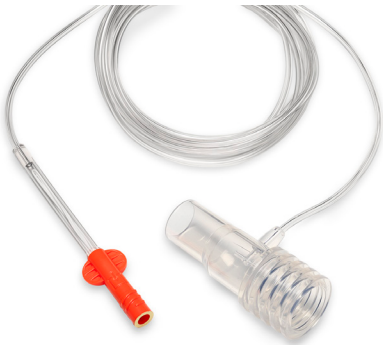


Ordering code	Description		Packaging
989803223601	Oral/nasal sampling line; samples from both the mouth and the nose; integrated O ₂ tubing for supplemental oxygen delivery	Adult; O ₂ male connector; standard: 2 m (6.5 ft)	25 per box
989803223461		Adult; O ₂ male connector; long: 4 m (13 ft)	25 per box
989803223591		Adult; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223451		Adult; O ₂ tubing female connector; long: 4 m (13 ft)	25 per box
989803223391	Oral/nasal sampling line; samples from both the mouth and the nose; available with or without O ₂ delivery	Pediatric; no O ₂ delivery; standard: 2 m (6.5 ft) no O ₂ delivery; standard: 2 m (6.5 ft)	25 per box
989803223581		Pediatric; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223441		Pediatric; O ₂ tubing female connector; long: 4 m (13 ft)	25 per box
989803223551	Nasal sampling line; nasal sampling only; integrated O ₂ tubing for supplemental oxygen delivery	Adult; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223561		Adult; O ₂ tubing female connector; long: 4 m (13 ft)	25 per box
989803223571		Pediatric; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223411	Nasal sampling line; nasal sampling only; no O ₂ delivery	Adult; standard: 2 m (6.5 ft)	25 per box
989803223351		Infant/neonate; standard: 2 m (6.5 ft)	25 per box
989803223401		Pediatric; standard: 2 m (6.5 ft)	25 per box
989803223521	60fr bite block sampling line; samples from both the mouth and the nose; integrated O ₂ tubing for supplemental oxygen delivery; O ₂ delivery system can administer oxygen flow up to 10 L/min	O ₂ male connector; standard: 2 m (6.5 ft)	25 per box
989803223531		O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803204471		O ₂ tubing female connector; long: 4 m (13 ft)	25 per box

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Microstream™ Advance sampling lines

**Intubated patient,
short term use: procedure/emergency**



Ordering code	Description	Packaging
989803223361	Intubated sampling line; for use with ETT size > 4.5 mm Adult/pediatric; standard: 2 m (6.5 ft)	25 per box
989803223311	Adult/pediatric; long: 4 m (13 ft)	25 per box

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Microstream™ Advance sampling lines

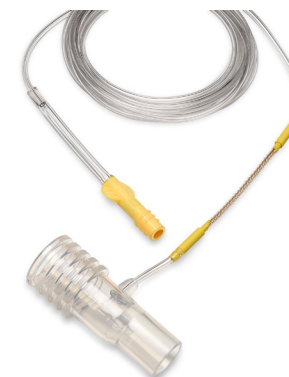
Non-intubated patient, extended duration



Ordering code	Description		Packaging
989803223471	Oral/nasal sampling line; samples from both the mouth and the nose; drier moisture reduction technology; integrated O ₂ tubing for supplemental oxygen delivery	Adult; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223481		Adult; O ₂ tubing female connector; long: 4 m (13 ft)	25 per box
989803223491	Oral/nasal sampling line; samples from both the mouth and the nose; drier moisture reduction technology; integrated O ₂ tubing for supplemental oxygen delivery	Pediatric; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223501		Pediatric; O ₂ tubing female connector; long: 4 m (13 ft)	25 per box
989803223421	Nasal sampling line; nasal sampling only; drier moisture reduction technology; integrated O ₂ tubing for supplemental oxygen delivery available	Adult; no O ₂ delivery; standard: 2 m (6.5 ft)	25 per box
989803223611		Adult; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223621		Pediatric; O ₂ tubing female connector; standard: 2 m (6.5 ft)	25 per box
989803223431		Neonatal/infant; no O ₂ delivery; standard: 2 m (6.5 ft)	25 per box
989803223511		Neonatal/infant; O ₂ tubing female connector; medium: 3 m (9.8 ft)	25 per box
989803223341		Neonatal/infant; no O ₂ delivery; long: 4 m (13 ft)	25 per box

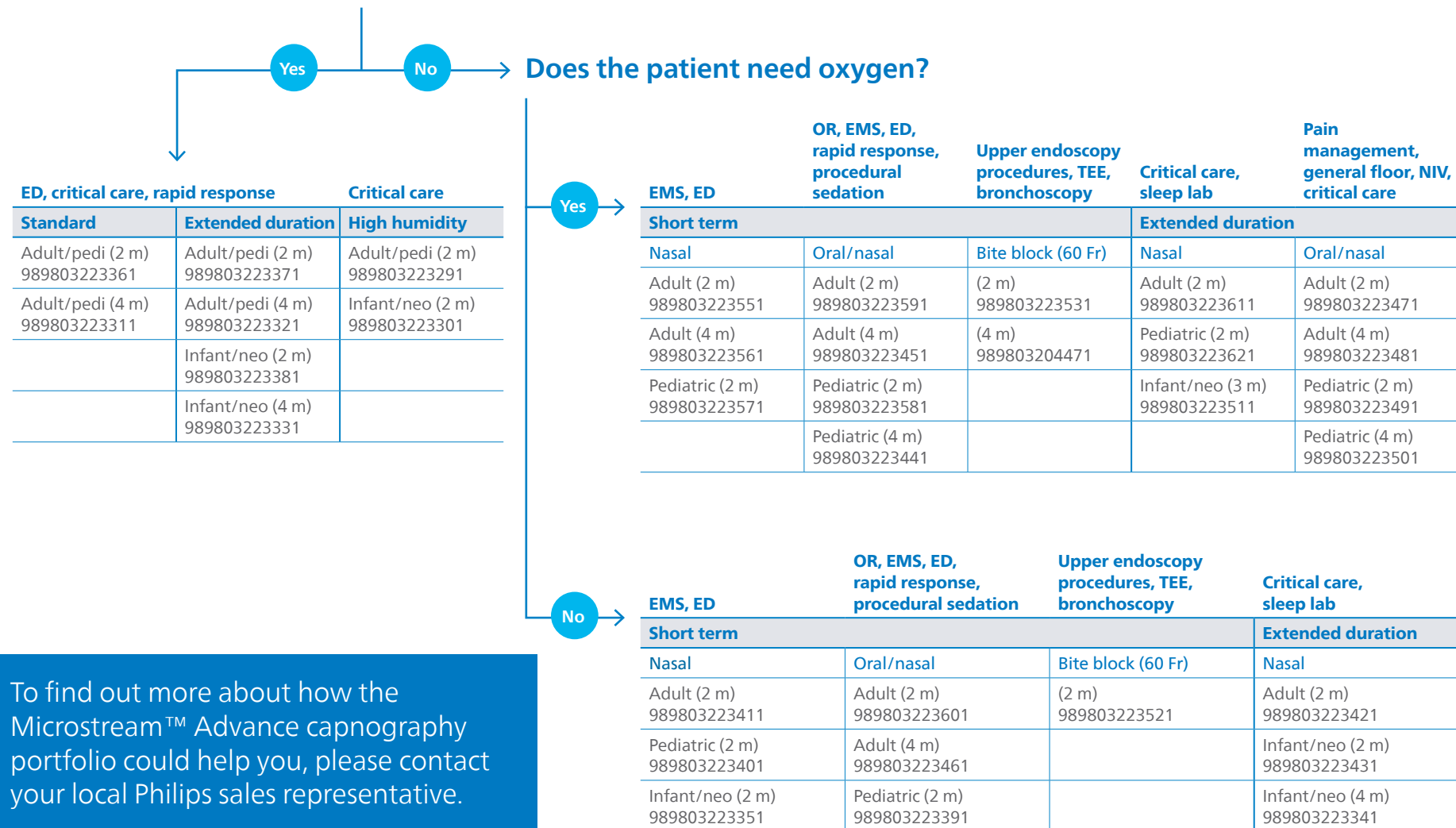
Microstream™ Advance sampling lines

Intubated patient, extended duration



Ordering code	Description		Packaging
989803223371	Intubated sampling line; for use with ETT > 4.5 mm; drier moisture reduction technology	Adult/pediatric; standard: 2 m (6.5 ft)	25 per box
989803223321		Adult/pediatric; long: 4 m (13 ft)	25 per box
989803223381	Intubated sampling line; for use with ETT ≤ 4.5 mm; drier moisture reduction technology	Neonatal/infant; standard: 2 m (6.5 ft)	25 per box
989803223331		Neonatal/infant; long: 4 m (13 ft)	25 per box
989803223291	Intubated sampling line; for use with ETT > 4.5 mm; longer drier moisture reduction technology for high ambient humidity	Adult/pediatric; standard: 2 m (6.5 ft)	25 per box
989803223301	Intubated sampling line; for use with ETT ≤ 4.5 mm; longer drier moisture reduction technology for high ambient humidity	Neonatal/infant; standard: 2 m (6.5 ft)	25 per box

Selection guide **Is the patient intubated?**



To find out more about how the Microstream™ Advance capnography portfolio could help you, please contact your local Philips sales representative.

In partnership with:

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