

Evaluation of Capnography Sampling Line Compatibility and Accuracy when Used with a Portable Capnography Monitor

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Materials

Name	Company	Catalog Number	Comments
Adult CO ₂ /O ₂ Nasal Cannula	Respironics	M2750A	Sampling Line 1
Adult Dual Nasal Cannula, Female Luer	Flexicare	032-10-126U	Sampling Line 2
Divided Adult Capnography Cannula, Female Luer	Salter Labs	4707FTG-7-7	Sampling Line 3
Divided Adult Capnography Cannula, Female Luer	Salter Labs	4797F-7-7	Sampling Line 4
Hudson RCI Softech Bi-Flo EtCO ₂ /O ₂ Cannula, Female Luer	Hudson	1845	Sampling Line 5
CO ₂ /O ₂ Adult Cannula, Female Luer	Westmed	539	Sampling Line 6
Adult ETCO ₂ Cannula	Ventlab	4707	Sampling Line 7
O ₂ /CO ₂ Nasal FilterLine sampling line, Adult, Female Luer	Medtronic	6912	Sampling Line 8 https://www.medtronic.com/covidien/en-us/products/capnography/filterline-etco2-sampling-lines.html
Smart CapnoLine Plus sampling line, Adult, Female Luer	Medtronic	9822	Sampling Line 9 https://www.medtronic.com/covidien/en-us/products/capnography/filterline-etco2-sampling-lines.html
Pediatric CO ₂ /O ₂ Nasal Cannula	Respironics	M2751A	Sampling Line 10
Pediatric CO ₂ /O ₂ Oral/Nasal Cannula	Respironics	M2761A	Sampling Line 11
Divided Pediatric Capnography Cannula, Female Luer	Salter Labs	4703F-7-7	Sampling Line 12
Hudson RCI Softech Plus Pediatric Divided Nasal Cannula	Hudson	2850	Sampling Line 13
FilterLine H Set sampling line, Infant/Neonate	Medtronic	6324	Sampling Line 14

			https://www.medtronic.com/covidien/en-us/products/capnography/filterline-etco2-sampling-lines.html
O ₂ /CO ₂ Nasal FilterLine sampling line, Pediatric, Female Luer	Medtronic	6913	Sampling Line 15 https://www.medtronic.com/covidien/en-us/products/capnography/filterline-etco2-sampling-lines.html
Smart CapnoLine sampling line, Pediatric, Female Luer	Medtronic	7269	Sampling Line 16 https://www.medtronic.com/covidien/en-us/products/capnography/filterline-etco2-sampling-lines.html
Breathing simulator	Medtronic	T-158	
Capnostream 35 portable respiratory monitor	Medtronic	PM35MN	https://www.medtronic.com/covidien/en-us/products/capnography/capnostream-35-portable-respiratory-monitor.html
Flow/Leak Tester	Emigal Electronic test solutions LTD	N/A	
Flow Meter	Omega	FMA1823A	
Gas: 100% N ₂	Airgas	GR04930	
Gas: 100% O ₂	Airgas	10133692	
Gas: 5%CO ₂ , 21%O ₂ , 74% N ₂	Airgas	HPE400	
Manikin	Tru Corp-AirSim Advance	S/N: AA3617A29092017C	
Rise Time Jig	Medtronic	T-547	
Tensile Testing Machine	MRC Lab	B1/E	
Statistical software	SAS Institute Inc	v9.4	