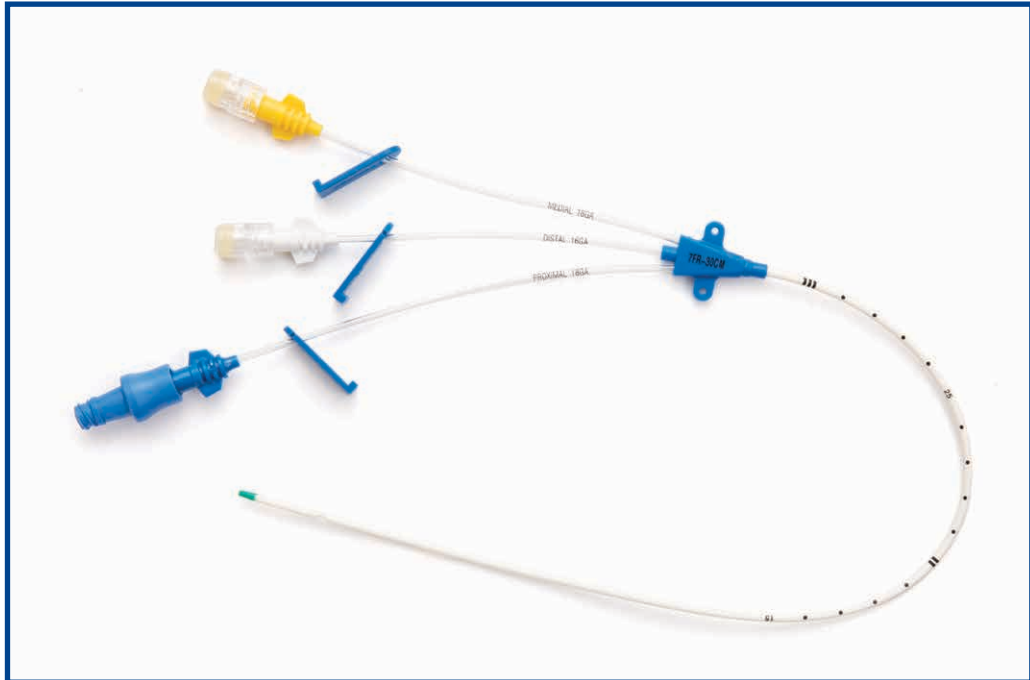


# BIOMETRIX™ CENTRAL VENOUS CATHETERS

*BIOMETRIX™ Central Venous Catheters , engineered to ensure safety and performance, come in a variety of patient sizes and allow for various insertion sites and applications. The comprehensive portfolio includes kits used for both adult and pediatric patients in acute care settings.*

## INDICATED THERAPIES:

- Continuous or intermittent drug infusion
- Parenteral nutrition
- IV solutions with high osmolality
- Central venous pressure monitoring
- Blood sampling
- Whole blood or blood products transfusions

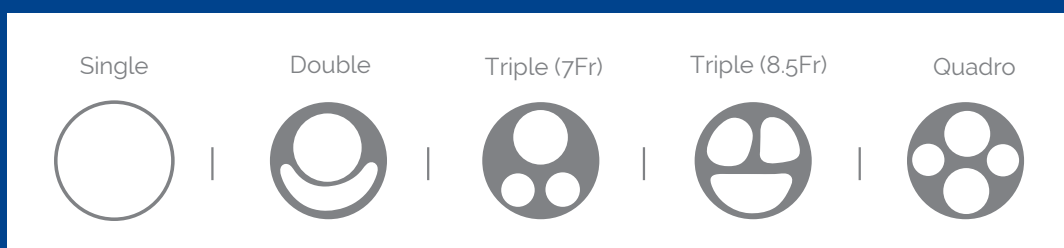


### MAIN FEATURES:

- **High-grade radiopaque polyurethane material** is highly biocompatible, kink-resistant and radiopaque for catheter positioning via X-ray
- **Clear and readable length markings** assist in accurate placement of the catheter
- **Flex catheter tip design** enables safe and easy insertion and manipulation through the vascular system
- **Clearly marked extension and color-coded hubs** reduce the risk of misconnections
- **Movable fixation clip** allows for optimal skin fixation, regardless of depth of catheter, which minimizes trauma and irritation to the puncture site
- **Clave™ needleless connector** helps reduce the risk of catheter-related bloodstream infections (CRBSIs) and minimizes bacterial contamination

\*Clave™ is a registered trademark of ICU Medical, Inc.

## LUMEN DESIGNS OF BIOMETRIX™ CENTRAL VENOUS CATHETERS (CROSS SECTION)



## FLOW RATES AND PRIMING VOLUMES

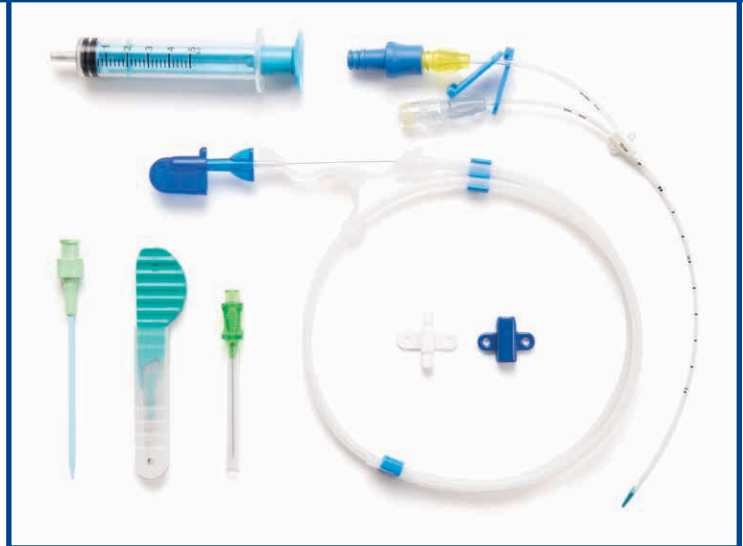
Priming volumes represent priming of the catheter itself without the caps. Flow rates are performed with saline water at room temperature and represent approximate flow capabilities.

Description	Size	Length	Lumen	Minimum Flow rate (ml/min)				Priming Volume (ml)			
				Distal	Medial	Medial 2	Proximal	Distal	Medial	Medial 2	Proximal
CVC Catheter Single Lumen	14Ga	15cm	1	86				0.46			
	14Ga	20cm	1	79				0.53			
	14Ga	30cm	1	68				0.65			
CVC Catheter Single Lumen	16Ga	15cm	1	47				0.36			
	16Ga	20cm	1	42				0.43			
	16Ga	30cm	1	42				0.5			
CVC Catheter Single Lumen	18Ga	15cm	1	26				0.21			
	18Ga	20cm	1	23				0.25			
CVC Catheter Single Lumen	20Ga	10cm	1	22				0.18			
	20Ga	13cm	1	20				0.2			
	20Ga	15cm	1	18				0.21			
	20Ga	20cm	1	16				0.23			
CVC Catheter Single Lumen	24Ga	8cm	1	10				0.14			
	24Ga	15cm	1	8				0.15			
	24Ga	20cm	1	6				0.16			
Pediatric Central Venous Catheter - Double Lumen	4Fr	5cm	2	17			20	0.15	0.16		
	4Fr	8cm	2	14			14	0.16	0.17		
	4Fr	13cm	2	12			12	0.19	0.2		
	4Fr	30cm	2	5			4	0.29	0.3		
Pediatric Central Venous Catheter - Double Lumen	5Fr	6cm	2	31			29	0.16	0.15		
	5Fr	8cm	2	26			29	0.17	0.15		
	5Fr	13cm	2	22			20	0.22	0.21		
	5Fr	20cm	2	16			17	0.27	0.26		
	5Fr	30cm	2	14			10	0.31	0.3		
Adult Central Venous Catheter - Double Lumen	7Fr	15cm	2	84			36	0.45	0.34		
	7Fr	20cm	2	69			32	0.51	0.38		
	7Fr	30cm	2	61			25	0.65	0.45		
Pediatric Central Venous Catheter - Triple Lumen	5.5Fr	8cm	3	32	16		17	0.21	0.15		0.18
	5.5Fr	13cm	3	26	11		11	0.23	0.19		0.22
	5.5Fr	30cm	3	16	5		5	0.29	0.25		
Adult Central Venous Catheter - Triple Lumen	7Fr	15cm	3	57	23		23	0.34	0.26		0.34
	7Fr	20cm	3	49	18		18	0.42	0.33		0.34
	7Fr	30cm	3	41	14		14	0.52	0.37		0.43
Adult Central Venous Catheter - Quadro Lumen	8.5Fr	15cm	4	46	68	28	28	0.29	0.38	0.32	0.31
	8.5Fr	20cm	4	44	61	30	30	0.38	0.45	0.35	0.37
	8.5Fr	30cm	4	35	48	19	20	0.51	0.55	0.45	0.43

# CENTRAL VENOUS CATHETER KITS

BIOMETRIX™ bedside kits and trays provide a convenient range of components required for placement of Central Venous Catheters in critically ill patients. The trays are designed and sequentially organized to allow efficiency and accuracy of the catheter placement procedure.

Along with our portfolio of Central Venous Catheter kits, we offer the option for custom-made kits produced according to our customers' needs, including a wide range of components to overcome challenging access.



## Adult and Pediatric – Single, Double, Triple and Quadro Lumen Kit Designs

BIOMETRIX™ Standard CVC Kit	BIOMETRIX™ Plus CVC Kit	BIOMETRIX™ Pro CVC Kit	BIOMETRIX™ Premium CVC Kit
<p><b>CONTAINS:</b></p> <ul style="list-style-type: none"> <li>• Scalpel #11 with short handle</li> <li>• Nitinol guide wire with depth marking and double flex tip</li> <li>• Guide wire dispenser</li> <li>• Central venous catheter</li> <li>• Movable suture wing</li> <li>• Introducer needle</li> <li>• Centric Luer syringe 5cc</li> <li>• Vessel dilator</li> <li>• Heparin Lock</li> </ul>	<p><b>CONTAINS:</b></p> <ul style="list-style-type: none"> <li>• Scalpel #11 with short handle</li> <li>• Nitinol guide wire with depth marking and double flex tip</li> <li>• Guide wire dispenser</li> <li>• Central venous catheter</li> <li>• Movable suture wing</li> <li>• Y introducer needle</li> <li>• Centric Luer syringe 5cc</li> <li>• Vessel dilator</li> <li>• Heparin Lock</li> </ul>	<p><b>CONTAINS:</b></p> <ul style="list-style-type: none"> <li>• Scalpel #11 with short handle</li> <li>• Nitinol guide wire with depth marking and double flex tip</li> <li>• Guide wire dispenser</li> <li>• Central venous catheter</li> <li>• Movable suture wing</li> <li>• Y introducer needle (introducer needle for pediatric usage)</li> <li>• Centric Luer syringe 5cc</li> <li>• Vessel dilator</li> <li>• Clave™ needleless connector</li> </ul>	<p><b>CONTAINS:</b></p> <ul style="list-style-type: none"> <li>• Scalpel #11 with short handle</li> <li>• Nitinol guide wire with depth marking and double flex tip</li> <li>• Guide wire dispenser</li> <li>• Central venous catheter</li> <li>• Movable suture wing</li> <li>• Introducer needle with echogenic tip</li> <li>• Quick-insertion syringe 5cc</li> <li>• Vessel dilator</li> <li>• Heparin Lock</li> <li>• Clave™ needleless connector</li> </ul>

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## CONTACT US >>>



**BIOMETRIX™ Products**  
Performance for Life



| [www.qco.net/qmd](http://www.qco.net/qmd)



| [qmeddevices@qco.net](mailto:qmeddevices@qco.net)



| GLOBAL HEADQUARTERS  
30100 Chagrin Blvd.  
Suite 201  
Pepper Pike, OH 44124  
USA