

# SHEATHS/CATHETERS

## SPECIAL ACCESS SHEATHS

| Company Name                                        | Product Name                                              | Size (F) | Length (cm)                          | Guidewire Diameter (inch)                                                                                                                                                                          | Curved/ Straight | Radiopaque Tip (Yes/No) | Type of Special Access                                                                                                   |                                                                                                                                        |
|-----------------------------------------------------|-----------------------------------------------------------|----------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Arrow International, a division of Teleflex Medical | Interventional Carotid Access Set                         | 7        | 90                                   | N/A                                                                                                                                                                                                | Straight         | Yes                     | Carotid                                                                                                                  |                                                                                                                                        |
|                                                     | Interventional Renal Access Set                           | 6, 7     | 45                                   | 0.035–0.038                                                                                                                                                                                        |                  |                         | Renal                                                                                                                    |                                                                                                                                        |
|                                                     | Interventional Transradial Access                         | 5, 6     | 4.45–24                              | 0.018–0.025                                                                                                                                                                                        |                  |                         | Transradial                                                                                                              |                                                                                                                                        |
|                                                     | Interventional Transseptal Access Set                     | 8        | 61                                   | N/A                                                                                                                                                                                                |                  |                         | Transseptal                                                                                                              |                                                                                                                                        |
| BioCardia, Inc.                                     | Morph AccessPro Steerable Introducer System               | 6        | Total length, 61; working length, 45 | Accepts 0.014–0.038; guidewire not provided                                                                                                                                                        | Deflectable      | Yes                     | Steerable introducer through which medical instruments as large as 6 F may be introduced into the peripheral vasculature |                                                                                                                                        |
| Cook Medical                                        | Performer: Mullins                                        | 4–16     | 48, 63, 75, 85                       | 0.038                                                                                                                                                                                              | Curved           | Yes                     | Transseptal access                                                                                                       |                                                                                                                                        |
|                                                     | Performer: Hausdorf-Lock                                  | 10–12    | 75                                   |                                                                                                                                                                                                    | Straight, curved | No                      | Large device/stent graft                                                                                                 |                                                                                                                                        |
|                                                     | Performer: Extra Large                                    | 20–24    | 25, 40, 65                           |                                                                                                                                                                                                    |                  |                         |                                                                                                                          |                                                                                                                                        |
|                                                     | Keller-Timmermans                                         | 18–24    | 65, 85                               |                                                                                                                                                                                                    | Straight         |                         |                                                                                                                          |                                                                                                                                        |
|                                                     | Performer: Micropuncture                                  | 4–7      | 13                                   | 0.018                                                                                                                                                                                              | Straight         |                         |                                                                                                                          | A hybrid introducer sheath and micropuncture set to expedite standard sheath access                                                    |
|                                                     | Micropuncture Introducer Sets: Stiffened and Nonstiffened | 4–5      | 10                                   | 0.018 X 40, 60 cm: stainless steel, stainless steel with platinum tip; nitinol with platinum tip with choice of 21-gauge echogenic or nonechogenic needle and silhouette transitionless introducer | Straight         |                         |                                                                                                                          | Used for placement of 0.035- or 0.038-inch diameter wire guides into the vascular system when a small 21-gauge needle stick is desired |
| Endologix, Inc.                                     | Tear-Away Introducer Sheath                               | 12.5     | 13                                   | 0.035                                                                                                                                                                                              | Straight         |                         |                                                                                                                          | No                                                                                                                                     |
| ev3 Inc.                                            | Introducer Sheaths                                        | 6        | 5.5                                  | Not provided                                                                                                                                                                                       | Straight         | Yes                     | Designed for the temporary, percutaneous introduction of pacing leads or catheters into the vasculature                  |                                                                                                                                        |

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## SPECIAL ACCESS SHEATHS (CONTINUED)

| Company Name             | Product Name                                    | Size (F)                                                                                                                                                      | Length (cm)                                   | Guidewire Diameter (inch)                                                                                                                                               | Curved/ Straight | Radiopaque Tip (Yes/No) | Type of Special Access                                                                                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Galt Medical Corporation | Hemostasis Valve Introducer: Micro-Access       | 4–7                                                                                                                                                           | 5.5, 12                                       | 0.018 nitinol/platinum or 0.018 stainless/stainless available                                                                                                           | Straight         | No                      | Micro-Introducer/hemostasis valve sheath together in one device to save a step                                                                                                                                                                                                                                 |
|                          | Micro-Introducer Kits: Regular and Stiffen      | 4, 5                                                                                                                                                          | 10 in Regular; 10 and 15 available in Stiffen | 0.018 x 40 cm: stainless with stainless tip; stainless with platinum tip; nitinol with stainless tip; nitinol with platinum tip                                         |                  |                         | Microaccess                                                                                                                                                                                                                                                                                                    |
|                          | Micro-Introducer Kit: Bariatric                 | 4                                                                                                                                                             | 19                                            | 0.018                                                                                                                                                                   |                  |                         | Developed to assist in the access of larger patients; Includes 13-cm access needle                                                                                                                                                                                                                             |
|                          | Micro-Introducer with side holes                |                                                                                                                                                               | 15                                            |                                                                                                                                                                         |                  |                         | Microaccess                                                                                                                                                                                                                                                                                                    |
|                          | ReDial 4 cm                                     | 5–7                                                                                                                                                           | 4                                             | 0.018 and 0.038 compatible                                                                                                                                              |                  | With or without         | Designed for high-flow procedures                                                                                                                                                                                                                                                                              |
|                          | Tear Away Introducer Sheath                     | 3–16; some half sizes                                                                                                                                         | 5, 7, 10, 14, 30, 50                          | 0.018 X 40 cm nitinol/stainless; 0.018 X 65 cm nitinol/stainless; 0.038 X 50 cm and 0.035 X 50 cm J tip                                                                 |                  | No                      | Designed for the introduction of catheters into the vasculature; full kits or separate sterile sheaths available                                                                                                                                                                                               |
|                          | GaltStick Coaxial Sheath with Stiffening Stylet | 6                                                                                                                                                             | 20                                            | 0.018 X 60 cm, 0.038 X 145 cm available                                                                                                                                 |                  | Yes                     | Allows for the introduction of a 0.018- X 0.038-inch working guidewire in nonvascular procedures; available with and without hydrophilic coating                                                                                                                                                               |
| LeMaitre Vascular, Inc.  | TT Tortuous Tracker Delivery System             | 18–24                                                                                                                                                         | 65, 85                                        | 0.035, 0.038                                                                                                                                                            | Straight         | Yes                     | Used to introduce balloon catheters, closed-end catheters, and other vascular devices                                                                                                                                                                                                                          |
| Merit Medical            | Merit MAK and Merit SMAK                        | 4 and 5 available with 21-gauge X 7-cm echo- and nonecho-enhanced needles and 21-gauge X 4-cm echo enhanced needles; 4 and 5 stiffened dilator kits available | 10, 15                                        | 0.018 (three guidewires available in kits: all 0.018-inch X 40-cm; stainless wire with stainless tip; stainless wire with platinum tip; nitinol wire with platinum tip) | Straight         | No                      | Microaccess (wire also available as stand alone and two additional configurations: 0.018-inch X 60-cm stainless wire with platinum tip and 0.018-inch X 60-cm nitinol wire with platinum tip); 21-gauge X 9-cm echo- and nonecho-enhanced needles available; all components are available sterile, stand alone |

## SPECIAL ACCESS SHEATHS (CONTINUED)

| Company Name              | Product Name                                                 | Size (F)     | Length (cm)                                         | Guidewire Diameter (inch)  | Curved/<br>Straight                            | Radiopaque Tip (Yes/No) | Type of Special Access                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------|--------------|-----------------------------------------------------|----------------------------|------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Merit Medical (continued) | Prelude Sheath Introducers                                   | 4, 5, 6      | 7, 11, 23                                           | 0.018, 0.025               | Straight                                       | With or without         | Radial access: combines mini access approach and sheath placement                                                                                                                                                                                                                                                                                                     |
|                           | Prelude Short Sheaths                                        | 5, 6, 7, 8   | 4                                                   | 0.018, 0.038               |                                                | Yes                     | Dialysis access management                                                                                                                                                                                                                                                                                                                                            |
| Navilyst Medical          | Vaxcel Mini-Stick Vascular Entry System with Coaxial Sheath  | 4, 4.5, 5    | 10                                                  | 0.018 X 40 cm              | Straight                                       | No                      | For percutaneous introduction of 0.035-inch/0.89-mm or 0.038-inch/0.97-mm guidewire into the vascular system following a small 21-gauge needle puncture                                                                                                                                                                                                               |
|                           | Vaxcel Mini-Stick Vascular Entry System with Peelable Sheath | 4, 5, 6      | 10, 15                                              | 0.018 X 60 cm              |                                                |                         | For percutaneous introduction of catheters and guidewire following a small 21-gauge needle puncture                                                                                                                                                                                                                                                                   |
| Onset Medical Corporation | SoloPath Balloon-Expandable Transfemoral Introducer          | 21/24, 19/22 | 25, 34, 45 configurations                           | 0.038 or smaller           | Straight                                       | No                      | Large-bore applications such as percutaneous aortic valve placement, mitral valve placement, abdominal aortic and thoracic aortic aneurysm graft placement                                                                                                                                                                                                            |
| St. Jude Medical, Inc.    | Fast-Cath                                                    | 4–14         | 5, 8.5, 12, 23, 30, 40, 45, 70, 75, 85, 90, 98, 110 | 0.021, 0.025, 0.032, 0.038 | Straight, 30, 40, 48, 60, 5-cm J, 7-cm J, GSPC | No                      | Small-vessel catheterizations, brachial artery introduction; introduction of thermal dilation and temporary pacing catheters; atherectomy, laser, vulvuloplasty, and other large-diameter catheters; introduction and general management of electrophysiology catheters; biopsy procedures; other procedures in which longer sheath and curve aid physician technique |
|                           | Strada Carotid Guiding Sheath                                | 6            | 80, 90                                              | 0.038                      | Straight                                       | Yes                     | Carotid                                                                                                                                                                                                                                                                                                                                                               |

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## SPECIAL ACCESS SHEATHS (CONTINUED)

| Company Name                  | Product Name                                        | Size (F)             | Length (cm) | Guidewire Diameter (inch)                                                                                                           | Curved or Straight              | Radiopaque Tip (Yes/No) | Type of Special Access                                                                                                       |
|-------------------------------|-----------------------------------------------------|----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Terumo Interventional Systems | Glidesheath (Indicated for Radial Access)           | 4, 5, 6              | 10, 16, 25  | Comes with 0.021 guidewire; 6-F size also available with 0.035 guidewire                                                            | Spring/straight                 | No                      | Hydrophilic coated                                                                                                           |
|                               | Glidesheath Kit                                     |                      | 10          | Comes with 0.021 or 0.025 silicon-coated nitinol core/polyurethane guidewire matched with either a 21- or 22-gauge needle guidewire | Plastic/short taper/short angle |                         |                                                                                                                              |
|                               | GlideAccess System                                  | 4, 5                 | 10          | 0.018 stainless steel or platinum-tipped nitinol with choice of 21-gauge echogenic or non-echogenic needle                          | Straight                        |                         | Microaccess                                                                                                                  |
|                               | Pinnacle R/O II HiFlo                               | 6, 7, 8              | 4           | Available with or without 0.035 guidewire                                                                                           |                                 | Yes                     | Shorter sheath and higher flow rate for added efficiency in your superficial procedures                                      |
|                               | Pinnacle R/O II Radiopaque Marker Introducer Sheath | 4, 5, 6, 7, 8, 9     | 6, 10, 25   | Mini guidewire included for 6 and 10 cm; maximum guidewire is 0.038                                                                 |                                 |                         | Not provided                                                                                                                 |
|                               |                                                     |                      |             |                                                                                                                                     |                                 |                         |                                                                                                                              |
| Vascular Solutions, Inc.      | Micro-Introducer Kits                               | 4, 5                 | 10, 30      | 0.018                                                                                                                               | Straight                        | No                      | Microaccess with a variety of wire combinations: stainless steel or nitinol with stainless steel or platinum tips            |
|                               | Micro-Access Tearaway                               | 3, 4.5, 5, 5.5, 6, 7 | 5, 10       |                                                                                                                                     |                                 |                         | Microaccess                                                                                                                  |
|                               | VSI Micro-HV Introducer Kit                         | 4, 5, 6, 7           | 5.5, 12, 24 |                                                                                                                                     |                                 |                         | 21-gauge needle micro-access with hemostasis valve sheath to save a step                                                     |
|                               | Micro De-Clot HV Introducer Kit                     | 5, 6, 7              | 4           |                                                                                                                                     |                                 | Yes                     | Microaccess                                                                                                                  |
|                               | Micro-Access HV Kit                                 | 4                    | 5.5         |                                                                                                                                     |                                 | No                      |                                                                                                                              |
|                               | GrebSet Micro-Introducer Kit                        | 5                    | 30          | 0.018, 0.035, or 0.038 compatible                                                                                                   | Angled tip                      | Yes                     | Used for placement of guidewire and for delivery of contrast media to vascular sites in both venous and arterial vasculature |