BioFlo Midline Catheter
with Endexo Technology

The BioFlo* Midline Catheter is the first, and only, midline catheter with Endexo* Technology, providing a catheter material more resistant to in-vitro thrombus accumulation, compared to commonly used catheters (based on platelet count).¹

The BioFlo Midline Catheter provides short-term access (< 30 days) to the peripheral venous system for selected intravenous therapies and blood sampling. The BioFlo Midline Catheter is a 20 cm trimmable catheter featuring Endexo Technology which is present throughout the catheter shaft including the intraluminal, extraluminal and cut surface of the catheter.

- X-ray confirmation is not required after placement
- Visibly marked as a midline catheter to aid in identification

¹The reduction in thrombus accumulation (based on platelet count) is supported by acute in-vitro testing. Pre-clinical in-vitro evaluations do not necessarily predict clinical performance with respect to thrombus formation.

BioFlo Midline Catheter—5F Dual Lumen

- Visibly marked as a midline catheter to aid in identification
- Short reverse taper designed to minimize blood loss at the insertion site
- Alcohol-resistant polyurethane material for insertion site care and catheter durability
- BioFlo Technology, providing a catheter material more resistant to the accumulation of blood components (platelets and thrombus)
- Large lumen inner diameters designed to maximize flow rates for CT injections, minimize the risk of catheter occlusions and provide easier blood withdrawal
- Power injection ratings clearly labeled on clamps

†The reduction in thrombus accumulation (based on platelet count) is supported by acute in-vitro testing. Pre-clinical in-vitro evaluations do not necessarily predict clinical performance with respect to thrombus formation.

‡Based on benchtop testing performed up to two hours using bovine blood which may not be indicative of clinical results.
Maximal Protection for Improved Patient Care

BioFlo Midline Catheters are available in a Max Barrier Nursing Kit configuration that includes a comprehensive set of components for safe and reliable bedside placement.

Kit Components:

BioFlo Midline Catheter 20cm, Safety Ampule Breaker, Lidocaine, 1 3/4" Filtered Straw, Syringe, 3CC/ML, Safety Needle (25 GA x 5/8"), Tape Measure, Scissors, Port Protector, Tuohy, Borst with Side Port, Gauze, Lint-free 4” x 4” 4-PLY, Safety Needle (21 G x 2.75”), Super Sharp Needle (21 GA x 2.75” Thin Wall Echo Tip), Sharps Container, Guidewire (Nitinol .018 x 45 cm), Stiffening Stylet, Safety Scalpel, Introducer (7 cm), Chloraprep 3 mL, Skin Protectant, Swabstick, Statlock, Dressing (Tegaderm), Ultrasound Transducer Cover (4” x 58”), Fenestrated Drape (31 1/2 x 41), Full Body Drape (70 x 100), Underarm Drape (24 x 32), Towel, 14” x 25” Absorbant, Tourniquet (18” x 1” Latex Free), Chloraprep 3 mL Tinted Orange, Gown, Surgical Extra Large, Mask with Earloops, Hairnet, 24”

Additional Kit Configurations

Modified Seldinger Technique Kit:

BioFlo Midline Catheter 20 cm, Tape Measure, Safety Scalpel, Tuohy Borst with Side Port, Guidewire Nitinol .018 x 45 cm, Peelable Introducer (7 cm), Syringe, 10 cc/mL, Statlock, Safety Needle (21 G x 2.75”), Super Sharp Needle (21 GA x 2.75” Thin Wall Echo Tip), Stiffening Stylet, Port Protector, Scissors

Catheter Only Kit:

BioFlo Midline Catheter 20 cm, LAL Stiffening Stylet (45 cm), Port Protector

Power Injectable

Advanced features, such as large lumen diameters allow the BioFlo Midline Catheter to deliver the power injection flow rates required for contrast-enhanced CTs compatible with up to 325 psi CT injectors.

Maximum Power Injection Flow Rates

<table>
<thead>
<tr>
<th>Size (F)</th>
<th>Lumens</th>
<th>Flow Rate</th>
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</thead>
<tbody>
<tr>
<td>3F</td>
<td>Single</td>
<td>2 ml/sec</td>
</tr>
<tr>
<td>4F</td>
<td>Single</td>
<td>6 ml/sec</td>
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<tr>
<td>5F</td>
<td>Single</td>
<td>6 ml/sec</td>
</tr>
<tr>
<td>5F</td>
<td>Dual</td>
<td>6 ml/sec</td>
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Compatible with up to 325 psi CT INJECTORS

All kits offer 2 style options: Standard stylet or nitinol wires only.
BioFlo Midline Catheter (20 cm)—Ordering Information

<table>
<thead>
<tr>
<th>Kit Description</th>
<th>3F—SL</th>
<th>4F—SL</th>
<th>5F—SL</th>
<th>5F—DL</th>
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<tbody>
<tr>
<td>Catheter Kit</td>
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<td>H965460610</td>
<td>H965460710</td>
<td>H965460810</td>
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<tr>
<td>Catheter Kit w/ 1 Nitinol Guidewire</td>
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<td>H96546200</td>
<td>H96546300</td>
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<tr>
<td>MST-45 Kit w/ Stylet and 1 Nitinol Guidewire</td>
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<td>H965460120</td>
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<tr>
<td>MST-45 Kit w/ 2 Nitinol Guidewires</td>
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<td>H965460171</td>
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</table>

SL=Single Lumen
DL=Dual Lumen

IMPORTANT RISK INFORMATION

BIOFLO MIDLINE CATHETER WITH ENDEXO TECHNOLOGY

INTENDED USE/INDICATIONS FOR USE: The BioFlo Midline catheter with ENDEXO technology is indicated for short-term access (< 30 days) to the peripheral venous system for intravenous therapy, including but not limited to, the administration of fluids, medications, and the sampling of blood and blood products.

CONTRAINDICATIONS: Venous thrombosis in any portion of the vein to be catheterized. Conditions that impede venous return from the extremity such as paralysis or lymphedema after mastectomy. Orthopedic or neurological conditions affecting the extremity. Anticipation or presence of dialysis grafts or other intraluminal devices, including pacemakers. Hypercoagulopathy unless considerations are made to place the patient on anticoagulation therapy. Pre-existing skin surface or subsurface infection at or near the proposed catheter insertion site. Anatomical distortion of the veins from surgery, injury or trauma. Inadequate antecubital veins. Anatomical irregularities (structural or vascular) which may compromise catheter insertion or catheter care procedures.

Refer to Directions for Use provided with the product for complete instructions, warnings, precautions and potential complications.

CAUTION: Federal Law (USA) restricts this device to sale by or on the order of a physician.

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www.angiodynamics.com

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