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Long Dilators

French Size: 8.5F
Dilator OD: 0.112”, Length: 42.09”
Material: Thermoplastic Elastomer
Color: Natural, Tip ID: 0.038”
FDL-016-01

French Size: 8.5F
Dilator OD: 0.112”, Length: 25.75”
Material: Thermoplastic Elastomer
Color: Natural, Tip ID: 0.038”
FDL-016-02

French Size: 8.5F
Dilator OD: 0.112”, Length: 33.38”
Material: Thermoplastic Elastomer
Color: Natural, Tip ID: 0.038”
FDL-016-06

French Size: 12F
Dilator OD: 0.158”, Length: 24.33”
Material: Polyethylene
Color: Green, Tip ID: 0.041”
FDL-033-00

French Size: 12F
Dilator OD: 0.158”, Length: 32.20”
Material: Polyethylene
Color: Blue, Tip ID: 0.041”
FDL-033-01
Prelude® Dilators

French Size: 4F
Fits .035” Guide Wire
Red Hub
PD4F035

French Size: 5F
Fits .038” Guide Wire
Gray Hub
PD5F038

French Size: 6F
Fits .038” Guide Wire
Green Hub
PD6F038

French Size: 7F
Fits .038” Guide Wire
Orange Hub
PD7F038

French Size: 8F
Fits .038” Guide Wire
Blue Hub
PD8F038
Vessel Dilators

French Size: 5F
Wire Size: .035"
Length: 20cm
3339-21

French Size: 4F
Wire Size: .035"
Length: 20cm
3339-31

French Size: 6F
Wire Size: .038"
Length: 20cm
3339-41

French Size: 5F
Wire Size: .038"
Length: 20cm
3339-51
Coaxial Introducer/Dilator Pairs

- French Size: 4F, Length: 10cm, MAK4F-10
- French Size: 5F, Length: 10cm, MAK5F-10
- French Size: 5F, Length: 15cm, MAK5F-15
- French Size: 4F, Length: 10cm, Stiffened Dilator, S-MAK4F-10
- French Size: 5F, Length: 10cm, Stiffened Dilator, S-MAK5F-10
- French Size: 5F, Length: 15cm, Stiffened Dilator, S-MAK5F-15
Coaxial Introducers

**French Size: 4F**
Needle Length: 7cm
Core/Tip: Stainless Steel/Stainless Steel
Length: 10cm, Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401**

**French Size: 4F**
Needle Length: 7cm
Core/Tip: Stainless Steel/Stainless Steel
Length: 10cm, Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401-E**

**French Size: 4F**
Needle Length: 7cm
Core/Tip: Stainless Steel/Stainless Steel
Length: 10cm, Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401-PED**

**French Size: 4F**
Needle Length: 4cm
Core/Tip: Stainless Steel/Stainless Steel
Length: 10cm, Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401N**

**French Size: 4F**
Needle Length: 4cm
Core/Tip: Nitinol/Platinum Tip, Length: 10cm
Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401N-E**

**French Size: 4F**
Needle Length: 4cm
Core/Tip: Nitinol/Platinum Tip, Length: 10cm
Gauge: 21, Guide Wire Diameter/Length: 0.018” (0.46mm) x 40cm
Echo Enhanced

**MAK401N-PED**
Coaxial Introducers

French Size: 4F  
Needle Length: 7cm  
Core/Tip: Stainless Steel/Platinum Tip  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
MAK405

French Size: 4F  
Needle Length: 7cm  
Core/Tip: Stainless Steel/Platinum Tip  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
Echo Enhanced  
MAK405-E

French Size: 4F  
Needle Length: 7cm  
Core/Tip: Stainless Steel/Stainless Steel  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
Echo Enhanced  
MAK405-PED

French Size: 5F  
Needle Length: 7cm  
Core/Tip: Stainless Steel/Platinum Tip  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
MAK501

French Size: 5F  
Needle Length: 7cm  
Core/Tip: Stainless Steel/Stainless Steel  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
Echo Enhanced  
MAK501-E

French Size: 5F  
Needle Length: 4cm  
Core/Tip: Stainless Steel/Stainless Steel  
Length: 10cm, Gauge: 21, Guide Wire  
Diameter/Length: 0.018” (0.46mm) x 40cm  
Echo Enhanced  
MAK501-PED
Coaxial Introducers

- **MAK501N**
  - French Size: 5F
  - Needle Length: 7cm
  - Core/Tip: Nitinol/Platinum Tip
  - Length: 10cm, Gauge: 21, Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm

- **MAK501N-15**
  - French Size: 5F
  - Needle Length: 7cm
  - Core/Tip: Nitinol/Platinum Tip
  - Length: 15cm, Gauge: 21, Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm
  - Echo Enhanced

- **MAK501N-PED**
  - French Size: 5F
  - Needle Length: 7cm
  - Core/Tip: Stainless Steel/Stainless Steel
  - Length: 10cm, Gauge: 21
  - Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm
  - Echo Enhanced

- **MAK505**
  - French Size: 5F
  - Needle Length: 7cm
  - Core/Tip: Stainless Steel/Platinum Tip
  - Length: 10cm, Gauge: 21
  - Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm
  - Echo Enhanced

- **MAK505-E**
  - French Size: 5F
  - Needle Length: 7cm
  - Core/Tip: Stainless Steel/Platinum Tip
  - Length: 15cm, Gauge: 21
  - Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm
  - Echo Enhanced

- **MAK505-PED**
  - French Size: 5F
  - Needle Length: 4cm
  - Core/Tip: Stainless Steel/Platinum Tip
  - Length: 10cm, Gauge: 21
  - Guide Wire Diameter/Length: 0.018" (0.46mm) x 40cm
  - Echo Enhanced
Guide Sheaths

Contact your Merit Medical OEM representative for more information about our guide sheath options.
Large Bore Introducers

French Size: 16F
Sheath Length: 13cm
Dilator Length: 20cm
With Sideport

FCL-106-00

French Size: 16F
Sheath Length: 13cm
Dilator Length: 20cm
No Sideport

FCL-108-00
Merit’s Long Introducers have a braided core for excellent torqueability. The tapered dilator and soft, atraumatic tip is designed for enhanced tissue crossing. The embedded platinum marker aids in radiopacity for proper placement.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size (F)</th>
<th>Length (cm)</th>
<th>Curve Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCL-160-00</td>
<td>8.5F</td>
<td>60</td>
<td>15° Curve</td>
</tr>
<tr>
<td>FCL-160-01</td>
<td>8.5F</td>
<td>60</td>
<td>30° Curve</td>
</tr>
<tr>
<td>FCL-160-02</td>
<td>8.5F</td>
<td>60</td>
<td>55° Curve</td>
</tr>
<tr>
<td>FCL-160-03</td>
<td>8.5F</td>
<td>60</td>
<td>120° Curve (short)</td>
</tr>
<tr>
<td>FCL-160-04</td>
<td>8.5F</td>
<td>60</td>
<td>120° Curve (long)</td>
</tr>
<tr>
<td>FCL-160-05</td>
<td>8.5F</td>
<td>60</td>
<td>150° Curve</td>
</tr>
<tr>
<td>FCL-160-06</td>
<td>8.5F</td>
<td>79.4</td>
<td>15° Curve</td>
</tr>
<tr>
<td>FCL-160-07</td>
<td>8.5F</td>
<td>79.4</td>
<td>55° Curve</td>
</tr>
<tr>
<td>FCL-160-08</td>
<td>8.5F</td>
<td>79.4</td>
<td>90° Curve</td>
</tr>
<tr>
<td>FCL-160-09</td>
<td>8.5F</td>
<td>79.4</td>
<td>120° Curve</td>
</tr>
<tr>
<td>FCL-160-10</td>
<td>8.5F</td>
<td>101.5</td>
<td>55° Curve</td>
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</tbody>
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Sheath Introducers

135  Prelude® Sheath Introducers 11cm
136  Prelude® Sheath Introducers 23cm
137  Prelude PRO™ Sheath Introducers
137  Prelude ACT™ Sheath Introducers
138  Prelude® Sheath Introducers with Merit Advance® Needle
139  Prelude® Sheath Introducers with Marker Tip
140  Prelude® Sheath Introducers – Mini Access Kits
141  Prelude® Short Sheath Introducers

May not be available for all OEM applications.
Prelude® Sheath Introducers & Dilators

- Polyurethane side arm
- J Straightener
- Polypropylene dilator
- Color coded Stopcock

All components contained in holster.

- Kink-resistant tubing
- Excellent insertion properties
- Smooth transitions
**Prelude® Sheath Introducers 11cm**

The Prelude® Sheath Introducer is packaged in a holster that keeps all components secure, especially the guide wire. Components can be flushed while in the holster. Guide wires are double ended, stainless steel, with a 3mm J end and a floppy straight end. Product includes a vessel dilator, sheath introducer and guide wire (also available without guide wire).

### SHEATH INTRODUCTORS

Packaged in holster; 5 per box

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI-4F-11-035</td>
<td>4F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-11-035</td>
<td>5F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-035</td>
<td>6F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-11-035</td>
<td>7F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-11-035</td>
<td>8F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSI-5F-11-038</td>
<td>5F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-038</td>
<td>6F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-11-038</td>
<td>7F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-11-038</td>
<td>8F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSI-4F-11</td>
<td>4F</td>
<td>11cm</td>
<td>N/A</td>
<td>red</td>
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<tr>
<td>PSI-5F-11</td>
<td>5F</td>
<td>11cm</td>
<td>N/A</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11</td>
<td>6F</td>
<td>11cm</td>
<td>N/A</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-11</td>
<td>7F</td>
<td>11cm</td>
<td>N/A</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-11</td>
<td>8F</td>
<td>11cm</td>
<td>N/A</td>
<td>blue</td>
</tr>
</tbody>
</table>
### Prelude® Sheath Introducers 23cm

The Prelude® Sheath Introducer is packaged in a holster that keeps all components secure, especially the guide wire. Components can be flushed while in the holster. Guide wires are double ended, stainless steel, with a floppy 3mm J end and a floppy straight end. Product includes a vessel dilator, sheath introducer and guide wire (also available without guide wire).

### SHEATH INTRODUCERS

Packaged in holster; 5 per box

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI-4F-23-035</td>
<td>4F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-23-035</td>
<td>5F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-23-035</td>
<td>6F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-23-035</td>
<td>7F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-23-035</td>
<td>8F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSI-5F-23-038</td>
<td>5F</td>
<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-23-038</td>
<td>6F</td>
<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-23-038</td>
<td>7F</td>
<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-23-038</td>
<td>8F</td>
<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSI-4F-23</td>
<td>4F</td>
<td>23cm</td>
<td>N/A</td>
<td>red</td>
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<tr>
<td>PSI-5F-23</td>
<td>5F</td>
<td>23cm</td>
<td>N/A</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-23</td>
<td>6F</td>
<td>23cm</td>
<td>N/A</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-23</td>
<td>7F</td>
<td>23cm</td>
<td>N/A</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-23</td>
<td>8F</td>
<td>23cm</td>
<td>N/A</td>
<td>blue</td>
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</tbody>
</table>
Prelude PRO™ Sheath Introducers & Prelude ACT™ Sheath Introducers

Prelude Pro™ Sheath tubing offers increased resilience and additional support during procedure. Prelude ACT™ (Activated Clotting Time) Sheaths allow easy blood draw through sheath side arm. Packaged in holster; 5 per box.

### PRO SHEATH INTRODUCERS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French</th>
<th>Size</th>
<th>Length</th>
<th>Guide Wire</th>
<th>Hub</th>
<th>Color</th>
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<tbody>
<tr>
<td>PRO-4F-11-035</td>
<td>4F</td>
<td>11cm</td>
<td>N/A</td>
<td>red</td>
<td></td>
<td></td>
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<tr>
<td>PRO-5F-11-035</td>
<td>5F</td>
<td>11cm</td>
<td>N/A</td>
<td>gray</td>
<td></td>
<td></td>
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<tr>
<td>PRO-6F-11-035</td>
<td>6F</td>
<td>11cm</td>
<td>N/A</td>
<td>green</td>
<td></td>
<td></td>
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<tr>
<td>PRO-7F-11-035</td>
<td>7F</td>
<td>11cm</td>
<td>N/A</td>
<td>orange</td>
<td></td>
<td></td>
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<tr>
<td>PRO-8F-11-035</td>
<td>8F</td>
<td>11cm</td>
<td>N/A</td>
<td>blue</td>
<td></td>
<td></td>
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<tr>
<td>PRO-4F-11-035</td>
<td>4F</td>
<td>11cm</td>
<td>N/A</td>
<td>red</td>
<td></td>
<td></td>
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<tr>
<td>PRO-5F-11-035</td>
<td>5F</td>
<td>11cm</td>
<td>N/A</td>
<td>gray</td>
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<td></td>
</tr>
<tr>
<td>PRO-6F-11-035</td>
<td>6F</td>
<td>11cm</td>
<td>N/A</td>
<td>green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRO-7F-11-035</td>
<td>7F</td>
<td>11cm</td>
<td>N/A</td>
<td>orange</td>
<td></td>
<td></td>
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<tr>
<td>PRO-8F-11-035</td>
<td>8F</td>
<td>11cm</td>
<td>N/A</td>
<td>blue</td>
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### ACT SHEATH INTRODUCERS

All ACT Sheaths use PRELUDE PRO™ Tubing

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French</th>
<th>Size</th>
<th>Length</th>
<th>Guide Wire</th>
<th>Hub</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>PSI-4F-11-035ACT</td>
<td>4.5F</td>
<td>11cm</td>
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<tr>
<td>PSI-5F-11-035ACT</td>
<td>5.5F</td>
<td>11cm</td>
<td>N/A</td>
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<tr>
<td>PSI-6F-11-035ACT</td>
<td>6.5F</td>
<td>11cm</td>
<td>N/A</td>
<td>green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSI-7F-11-035ACT</td>
<td>7.5F</td>
<td>11cm</td>
<td>N/A</td>
<td>orange</td>
<td></td>
<td></td>
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<tr>
<td>PSI-8F-11-035ACT</td>
<td>8.5F</td>
<td>11cm</td>
<td>N/A</td>
<td>blue</td>
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</tr>
<tr>
<td>PSI-4F-11ACT</td>
<td>4.5F</td>
<td>11cm</td>
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<td>red</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSI-5F-11ACT</td>
<td>5.5F</td>
<td>11cm</td>
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<td>gray</td>
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<td>PSI-6F-11ACT</td>
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<td>green</td>
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<td></td>
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<tr>
<td>PSI-7F-11ACT</td>
<td>7.5F</td>
<td>11cm</td>
<td>N/A</td>
<td>orange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSI-8F-11ACT</td>
<td>8.5F</td>
<td>11cm</td>
<td>N/A</td>
<td>blue</td>
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</tbody>
</table>
### Prelude® Sheath Introducers with Merit Advance® Needle

The Prelude® Sheath Introducer with Merit Advance needle includes the sheath introducer, vessel dilator, guide wire and needle all packaged in a holster. Packaged in holster; 5 per box.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Needle Gauge/length</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI-5F-11-035-18G</td>
<td>5F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>18G x 7cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-035-18G</td>
<td>6F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>18G x 7cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-7F-11-035-18G</td>
<td>7F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>18G x 7cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSI-8F-11-035-18G</td>
<td>8F</td>
<td>11cm</td>
<td>0.035&quot; (0.89mm) x 50cm</td>
<td>18G x 7cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSI-5F-11-038-18G</td>
<td>5F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>18G x 7cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-038-18G</td>
<td>6F</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>18G x 7cm</td>
<td>green</td>
</tr>
<tr>
<td>PRO-5F-11-038-18G</td>
<td>5F*</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>18G x 7cm</td>
<td>gray</td>
</tr>
<tr>
<td>PRO-6F-11-038-18G</td>
<td>6F*</td>
<td>11cm</td>
<td>0.038&quot; (0.97mm) x 50cm</td>
<td>18G x 7cm</td>
<td>green</td>
</tr>
</tbody>
</table>

* Prelude PRO tubing
**Prelude® Sheath Introducers with Marker Tip**

The Prelude® Sheath Introducer with Marker Tip is available in 11cm (Prelude PRO™ tubing) and 23cm (standard Prelude tubing). The sheaths have a highly radiopaque marker tip allowing for increased visibility of the sheath tip using fluoroscopy. Products are available with and without double ended, stainless steel guide wire. Packaged in holster; 5 per box.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Number</th>
<th>Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO-4F-11-035MT</td>
<td>4F</td>
<td>11cm</td>
<td>N/A</td>
<td>0.035” (0.89mm) x 50cm</td>
<td>red</td>
</tr>
<tr>
<td>PRO-5F-11-035MT</td>
<td>5F</td>
<td>11cm</td>
<td>N/A</td>
<td>0.035” (0.89mm) x 50cm</td>
<td>gray</td>
</tr>
<tr>
<td>PRO-6F-11-035MT</td>
<td>6F</td>
<td>11cm</td>
<td>N/A</td>
<td>0.035” (0.89mm) x 50cm</td>
<td>green</td>
</tr>
<tr>
<td>PRO-7F-11-035MT</td>
<td>7F</td>
<td>11cm</td>
<td>N/A</td>
<td>0.035” (0.89mm) x 50cm</td>
<td>orange</td>
</tr>
<tr>
<td>PRO-8F-11-035MT</td>
<td>8F</td>
<td>11cm</td>
<td>N/A</td>
<td>0.035” (0.89mm) x 50cm</td>
<td>blue</td>
</tr>
<tr>
<td>PRO-5F-11-038MT</td>
<td>5F</td>
<td>11cm</td>
<td>0.038” (0.97mm) x 50cm</td>
<td>gray</td>
<td></td>
</tr>
<tr>
<td>PRO-6F-11-038MT</td>
<td>6F</td>
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<td>0.038” (0.97mm) x 50cm</td>
<td>green</td>
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<td>0.038” (0.97mm) x 50cm</td>
<td>orange</td>
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<tr>
<td>PRO-8F-11-038MT</td>
<td>8F</td>
<td>11cm</td>
<td>0.038” (0.97mm) x 50cm</td>
<td>blue</td>
<td></td>
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<tr>
<td>PRO-4F-11MT</td>
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<td>11cm</td>
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<td>N/A</td>
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<tr>
<td>PRO-5F-11MT</td>
<td>5F</td>
<td>11cm</td>
<td>N/A</td>
<td>N/A</td>
<td>gray</td>
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<tr>
<td>PRO-6F-11MT</td>
<td>6F</td>
<td>11cm</td>
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<td>N/A</td>
<td>green</td>
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<tr>
<td>PRO-7F-11MT</td>
<td>7F</td>
<td>11cm</td>
<td>N/A</td>
<td>N/A</td>
<td>orange</td>
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<tr>
<td>PRO-8F-11MT</td>
<td>8F</td>
<td>11cm</td>
<td>N/A</td>
<td>N/A</td>
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</tr>
<tr>
<td>PSI-4F-23-035MT</td>
<td>4F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>red</td>
<td></td>
</tr>
<tr>
<td>PSI-5F-23-035MT</td>
<td>5F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>gray</td>
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</tr>
<tr>
<td>PSI-6F-23-035MT</td>
<td>6F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
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<tr>
<td>PSI-7F-23-035MT</td>
<td>7F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>orange</td>
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</tr>
<tr>
<td>PSI-8F-23-035MT</td>
<td>8F</td>
<td>23cm</td>
<td>0.035” (0.89mm) x 80cm</td>
<td>blue</td>
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</tr>
<tr>
<td>PSI-5F-23-038MT</td>
<td>5F</td>
<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
<td>gray</td>
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<tr>
<td>PSI-6F-23-038MT</td>
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<td>23cm</td>
<td>0.038” (0.97mm) x 80cm</td>
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<tr>
<td>PSI-7F-23-038MT</td>
<td>7F</td>
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<td>0.038” (0.97mm) x 80cm</td>
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<tr>
<td>PSI-8F-23-038MT</td>
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<td>0.038” (0.97mm) x 80cm</td>
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</tr>
<tr>
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<td>4F</td>
<td>23cm</td>
<td>N/A</td>
<td>N/A</td>
<td>red</td>
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<tr>
<td>PSI-5F-23MT</td>
<td>5F</td>
<td>23cm</td>
<td>N/A</td>
<td>N/A</td>
<td>gray</td>
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<tr>
<td>PSI-6F-23MT</td>
<td>6F</td>
<td>23cm</td>
<td>N/A</td>
<td>N/A</td>
<td>green</td>
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<tr>
<td>PSI-7F-23MT</td>
<td>7F</td>
<td>23cm</td>
<td>N/A</td>
<td>N/A</td>
<td>orange</td>
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<tr>
<td>PSI-8F-23MT</td>
<td>8F</td>
<td>23cm</td>
<td>N/A</td>
<td>N/A</td>
<td>blue</td>
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</tbody>
</table>
### Prelude® Sheath Introducers - Mini Access Kits

The Prelude® Sheath Introducers - Mini Access Kits provide access to the vascular system to facilitate the placement of guide wires. The sheaths are available in three lengths: 7cm, 11cm and 23cm; and are packaged in a holster with a sheath, vessel dilator, guide wire and needle. Products can be used for pediatrics, transradial, brachial and femoral access. Packaged in holster; 5 per box.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Guide Wire Core/Tip</th>
<th>Needle Gauge/Tip</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI-4F-7-018</td>
<td>4F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-7-018</td>
<td>5F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-7-018</td>
<td>6F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-7-018NT4</td>
<td>4F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-7-018NT4</td>
<td>5F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
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<tr>
<td>PSI-6F-7-018NT4</td>
<td>6F</td>
<td>7cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-11-018</td>
<td>4F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
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<tr>
<td>PSI-5F-11-018</td>
<td>5F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-018</td>
<td>6F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>SS/SS</td>
<td>21G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-11-018NT4</td>
<td>4F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-11-018NT4</td>
<td>5F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>gray</td>
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<tr>
<td>PSI-6F-11-018NT4</td>
<td>6F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
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</tr>
<tr>
<td>PRO-4F-11-018NT7*</td>
<td>4F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
<td>red</td>
</tr>
<tr>
<td>PRO-5F-11-018NT7*</td>
<td>5F</td>
<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
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<tr>
<td>PRO-6F-11-018NT7*</td>
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<td>11cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-23-018NT4</td>
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<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-23-018NT4</td>
<td>5F</td>
<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-23-018NT4</td>
<td>6F</td>
<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-23-018NT7</td>
<td>4F</td>
<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
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</tr>
<tr>
<td>PSI-5F-23-018NT7</td>
<td>5F</td>
<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
<td>gray</td>
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<tr>
<td>PSI-6F-23-018NT7</td>
<td>6F</td>
<td>23cm</td>
<td>0.018” (0.46mm) x 80cm</td>
<td>NT/PT</td>
<td>21G x 7cm</td>
<td>green</td>
</tr>
</tbody>
</table>

SS = Stainless Steel  PT = Platinum Tip  NT = Nitinol

Guide wire is stainless steel; double ended (3mmJ and floppy).

* Catalog Numbers that begin with PRO use Prelude PRO tubing.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Guide Wire Core/Tip</th>
<th>Needle Gauge/Tip</th>
<th>Hub Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSI-4F-7-025</td>
<td>4F</td>
<td>7cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-7-025</td>
<td>5F</td>
<td>7cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-7-025</td>
<td>6F</td>
<td>7cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSI-4F-11-025</td>
<td>4F</td>
<td>11cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>red</td>
</tr>
<tr>
<td>PSI-5F-11-025</td>
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<td>11cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>gray</td>
</tr>
<tr>
<td>PSI-6F-11-025</td>
<td>6F</td>
<td>11cm</td>
<td>0.025” (0.64mm) x 50cm</td>
<td>-</td>
<td>20G x 4cm</td>
<td>green</td>
</tr>
</tbody>
</table>
## Prelude® Short Sheath Introducers

Prelude® Short Sheath Introducer provides access to dialysis fistulas and grafts. Can be used for declot, angioplasty and thrombolysis procedures, as well as temporary hemodialysis. Will accommodate flow rates up to 600ml/min. Includes removable stopcock. Packaged 5 per box.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>French Size</th>
<th>Length</th>
<th>Guide Wire Diameter/Length</th>
<th>Needle Gauge/Length</th>
<th>Hub Color</th>
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<tbody>
<tr>
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<td>5F</td>
<td>4cm</td>
<td>0.018” (0.46mm) x 40cm*</td>
<td>21G x 4cm</td>
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</tr>
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<td>PSS-6F-4-018MT</td>
<td>6F</td>
<td>4cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>21G x 4cm</td>
<td>green</td>
</tr>
<tr>
<td>PSS-7F-4-018MT</td>
<td>7F</td>
<td>4cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>21G x 4cm</td>
<td>orange</td>
</tr>
<tr>
<td>PSS-8F-4-018MT</td>
<td>8F</td>
<td>4cm</td>
<td>0.018” (0.46mm) x 40cm</td>
<td>21G x 4cm</td>
<td>blue</td>
</tr>
<tr>
<td>PSS-5F-4-038MT</td>
<td>5F</td>
<td>4cm</td>
<td>0.038” (0.97mm) x 50cm**</td>
<td>–</td>
<td>gray</td>
</tr>
<tr>
<td>PSS-6F-4-038MT</td>
<td>6F</td>
<td>4cm</td>
<td>0.038” (0.97mm) x 50cm**</td>
<td>–</td>
<td>green</td>
</tr>
<tr>
<td>PSS-7F-4-038MT</td>
<td>7F</td>
<td>4cm</td>
<td>0.038” (0.97mm) x 50cm**</td>
<td>–</td>
<td>orange</td>
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<tr>
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<td>8F</td>
<td>4cm</td>
<td>0.038” (0.97mm) x 50cm**</td>
<td>–</td>
<td>blue</td>
</tr>
</tbody>
</table>

* 0.018” Guide wire is stainless steel with straight stainless steel flexible tip.

** 0.038” Guide wire is stainless steel; double ended (3mm J and floppy).
Tear Away/ClassicSheath™ Introducers

- **Sheath ID**: 0.083”
  - **Size**: 6F, Color: Green
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1006

- **Sheath ID**: 0.095”
  - **Size**: 7F, Color: Orange
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1007

- **Sheath ID**: 0.105”
  - **Size**: 8F, Color: Blue
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1008

- **Sheath ID**: 0.112”
  - **Size**: 8.5F, Color: Light Blue
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1008.5

- **Sheath ID**: 0.118”
  - **Size**: 9F, Color: Black
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1009

- **Sheath ID**: 0.118”
  - **Size**: 9.5F, Color: White
  - **Length**: 13cm
  - **Guide Wire Diameter/Length**: .038” x 45cm
  - **Code**: CLS-1009.5
Tear Away/ClassicSheath™ Introducers

Sheath ID: 0.131”
Size: 10F, Color: White
Length: 13cm
Guide Wire Diameter/Length: .038” x 45cm
CLS-1010

Sheath ID: 0.138”
Size: 10.5F, Color: White
Length: 13cm
Guide Wire Diameter/Length: .038” x 45cm
CLS-1010.5

Sheath ID: 0.144”
Size: 11F, Color: White
Length: 13cm
Guide Wire Diameter/Length: .038” x 45cm
CLS-1011

Sheath ID: 0.158”
Size: 12F, Color: White
Length: 13cm
Guide Wire Diameter/Length: .038” x 45cm
CLS-1012

Sheath ID: 0.164”
Size: 12.5F, Color: White
Length: 13cm
Guide Wire Diameter/Length: .038” x 45cm
CLS-1012.5

Sheath ID: 0.092”
Size: 7F, Color: Orange
Length: 25cm
Guide Wire Diameter/Length: .038” x 80cm
CLS-2507
Tear Away/ClassicSheath™ Introducers

**CLS-2508**
- Sheath ID: 0.105”
- Size: 8F, Color: Blue
- Length: 25cm
- Guide Wire Diameter/Length: .038” x 80cm

**CLS-2509**
- Sheath ID: 0.118”
- Size: 9F, Color: Black
- Length: 25cm
- Guide Wire Diameter/Length: .038” x 80cm

**CLS-2510**
- Sheath ID: 0.131”
- Size: 10F, Color: White
- Length: 25cm
- Guide Wire Diameter/Length: .038” x 80cm

**CLS-2510.5**
- Sheath ID: 0.138”
- Size: 10.5F, Color: White
- Length: 25cm
- Guide Wire Diameter/Length: .038” x 80cm

**CLS-2511**
- Sheath ID: 0.144”
- Size: 11F, Color: White
- Length: 25cm
- Guide Wire Diameter/Length: .038” x 80cm
# Needles

## Advantages of the Merit Advance® Needle

<table>
<thead>
<tr>
<th>Insertion</th>
<th>Merit Advance®</th>
<th>Merit 47% Sharper (less force required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closest Competitor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force in Grams</td>
<td>0, 8, 16, 27, 36, 45, 54, 63, 72, 80, 88, 96</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drag</th>
<th>Merit Advance®</th>
<th>Merit 46% Less Drag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closest Competitor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Force in Grams</td>
<td>0, 8, 16, 27, 36, 45, 54, 63, 72, 80, 88, 96</td>
<td></td>
</tr>
</tbody>
</table>

Single use. Sold packaged non-sterile. For sterile and other packaging options, please contact a Merit OEM representative.
### Long Needles

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Length</th>
<th>Curve Angle</th>
<th>Tip Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>FND-019-00</td>
<td>56cm</td>
<td>50° Curve</td>
<td>22</td>
</tr>
<tr>
<td>FND-019-01</td>
<td>71cm</td>
<td>50° Curve</td>
<td>21</td>
</tr>
<tr>
<td>FND-019-02</td>
<td>71cm</td>
<td>86° Curve</td>
<td>21</td>
</tr>
<tr>
<td>FND-019-03</td>
<td>89cm</td>
<td>50° Curve</td>
<td>21</td>
</tr>
<tr>
<td>FND-019-04</td>
<td>89cm</td>
<td>86° Curve</td>
<td>21</td>
</tr>
<tr>
<td>FND-019-05</td>
<td>98cm</td>
<td>50° Curve</td>
<td>21</td>
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<tr>
<td>FND-019-06</td>
<td>98cm</td>
<td>86° Curve</td>
<td>21</td>
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ONE-WALL STYLE NEEDLE

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Gauge</th>
<th>Wall Thickness</th>
<th>Accepts Guide Wire</th>
<th>Length (cm)</th>
<th>Length (inches)</th>
<th>Finish</th>
<th>Pictured in Catalog</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD18T51WP</td>
<td>18</td>
<td>Thin</td>
<td>0.038&quot; (0.97mm)</td>
<td>5.0cm</td>
<td>2&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD18T71WP</td>
<td>18</td>
<td>Thin</td>
<td>0.038&quot; (0.97mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD18T71W-EP</td>
<td>18</td>
<td>Thin</td>
<td>0.038&quot; (0.97mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Echo</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD18N91WP</td>
<td>18</td>
<td>Normal</td>
<td>0.038&quot; (0.97mm)</td>
<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD18N91W-EP</td>
<td>18</td>
<td>Normal</td>
<td>0.038&quot; (0.97mm)</td>
<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Echo</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD19U41WP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U41W-EP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Echo</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U51WP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>5.0cm</td>
<td>2&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U51W-EP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>5.0cm</td>
<td>2&quot;</td>
<td>Echo</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U71WP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U71W-EP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Echo</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD20T41WP</td>
<td>20</td>
<td>Thin</td>
<td>0.025&quot; (0.64mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD20T41W-EP</td>
<td>20</td>
<td>Thin</td>
<td>0.025&quot; (0.64mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Echo</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD20T71WP</td>
<td>20</td>
<td>Thin</td>
<td>0.025&quot; (0.64mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD20T71W-EP</td>
<td>20</td>
<td>Thin</td>
<td>0.025&quot; (0.64mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Echo</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD21T21WP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>2.5cm</td>
<td>1&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T41WP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T41W-EP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Echo</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T71WP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T71W-EP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Echo</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T91WP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T91W-EP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Echo</td>
<td>Page 150</td>
</tr>
<tr>
<td>AD21T91RP</td>
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<td>0.021&quot; (0.53mm)</td>
<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
</tr>
<tr>
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<td>9.0cm</td>
<td>3 1/2&quot;</td>
<td>Echo</td>
<td>Page 150</td>
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</table>

ONE-WALL NEEDLE WITH SELDINGER SHIELD

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Gauge</th>
<th>Wall Thickness</th>
<th>Accepts Guide Wire</th>
<th>Length (cm)</th>
<th>Length (inches)</th>
<th>Finish</th>
<th>Pictured in Catalog</th>
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<tbody>
<tr>
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<td>0.038&quot; (0.97mm)</td>
<td>5.0cm</td>
<td>2&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD18T71WSP</td>
<td>18</td>
<td>Thin</td>
<td>0.038&quot; (0.97mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD19U71WSP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
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</table>

ONE-WALL NEEDLE WITH COURNAND SHIELD

<table>
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<tr>
<th>Catalog Number</th>
<th>Gauge</th>
<th>Wall Thickness</th>
<th>Accepts Guide Wire</th>
<th>Length (cm)</th>
<th>Length (inches)</th>
<th>Finish</th>
<th>Pictured in Catalog</th>
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<tbody>
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<td>18</td>
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<td>0.038&quot; (0.97mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 148</td>
</tr>
<tr>
<td>AD19U41WCP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD19U71WCP</td>
<td>19</td>
<td>Ultra</td>
<td>0.035&quot; (0.89mm)</td>
<td>7.0cm</td>
<td>2 3/4&quot;</td>
<td>Smooth</td>
<td>Page 149</td>
</tr>
<tr>
<td>AD21T41WCP</td>
<td>21</td>
<td>Thin</td>
<td>0.021&quot; (0.53mm)</td>
<td>4.0cm</td>
<td>1 1/2&quot;</td>
<td>Smooth</td>
<td>Page 150</td>
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</tbody>
</table>
### 18 Gauge Merit Advance® Angiographic Needs

**Hub:** Polycarbonate  
**Cannula/Obturator:** Stainless Steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
<th>Length</th>
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<tbody>
<tr>
<td>18 Gauge Needle, Thin Wall, 5.1cm Length</td>
<td>AD18T51WP</td>
<td>5.1cm</td>
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<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length</td>
<td>AD18T71WP</td>
<td>7.0cm</td>
</tr>
<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length Echo Enhanced</td>
<td>AD18T71W-EP</td>
<td>7.0cm</td>
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<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length Transparent Hub</td>
<td>AD18T71WTP</td>
<td>7.0cm</td>
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<tr>
<td>18 Gauge Needle, Normal Wall, 9.0cm Length</td>
<td>AD18N91WP</td>
<td>9.0cm</td>
</tr>
<tr>
<td>18 Gauge Needle, Thin Wall, 5.0cm Length Seldinger Shield</td>
<td>AD18T51WSP</td>
<td>5.0cm</td>
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<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length Catheter Shield</td>
<td>AD18T71WCP</td>
<td>7.0cm</td>
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<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length Seldinger Shield</td>
<td>AD18T71WSP</td>
<td>7.0cm</td>
</tr>
<tr>
<td>18 Gauge Needle, Thin Wall, 7.0cm Length Echo Enhanced</td>
<td>AD18T71W-EP</td>
<td>7.0cm</td>
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19 Gauge Merit Advance® Angiographic Needles

19 Gauge Needle,
Ultra Thin Wall,
4.0cm Length with
Cournand Shield
AD19U71WCP

19 Gauge Needle,
Ultra Thin Wall,
4.0cm Length
AD19U41WP

19 Gauge Needle,
Ultra Thin Wall,
5.1cm Length
AD19U51WP

19 Gauge Needle,
Thin Wall,
5.0cm Length with
Seldinger Shield
AD19U71WSP

19 Gauge Needle,
Ultra Thin Wall,
7.0cm Length with
Cournand Shield
AD19U71WP

19 Gauge Needle,
Ultra Thin Wall,
7.0cm Length
AD19U41WP

20 Gauge Merit Advance®
Angiographic Needles

Hub: Polycarbonate
Cannula/Obturator: Stainless Steel

19 Gauge Needle,
Ultra Thin Wall,
4.0cm Length
AD20T41WP

20 Gauge Needle,
Thin Wall,
4.0cm Length
AD20T71WP

19 Gauge Needle,
Ultra Thin Wall,
7.0cm Length
AD19U71WP

19 Gauge Needle,
Ultra Thin Wall,
7.0cm Length
AD19U41WP

20 Gauge Needle,
Thin Wall,
7.0cm Length
AD20T71WP
21 Gauge Merit Advance® Angiographic Needles

Hub: Polycarbonate
Cannula/Obturator: Stainless Steel

- 21 Gauge, Thin Wall, 2.5cm Length: AD21T21WP
- 21 Gauge, Thin Wall, 4.0cm Length: AD21T41WCP
- 21 Gauge, Thin Wall, 4.0cm Length: AD21T41WP
- 21 Gauge, Thin Wall, 7.0cm Length: AD21T71WP
- 21 Gauge, Thin Wall, 7.0cm Length Echo Tip: AD21T71W-EP
- 21 Gauge Curved Needle, 9.0cm Length: AD21T91RP
- 21 Gauge Curved Needle, 9.0cm Length with Echo Tip: AD21T91RE
- 21 Gauge Curved Needle, 9.0cm Length with Echo Tip: AD21T91REP

Inside U.S. +1 800.637.4839  Outside U.S. +1 801.208.4313  Europe: +31 43 358 82 24  www.MeritOEM.com
SecureLoc™ Angiographic Needles

Hub: Polycarbonate
Cannula/Obturator: Stainless Steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 Gauge, 7.0cm Length, With Wings, Guide wire .038”</td>
<td>SL18T71WP</td>
</tr>
<tr>
<td>18 Gauge, 7.0cm Length, With Wings, Guide wire .038”</td>
<td>SL18T71WSP</td>
</tr>
<tr>
<td>21 Gauge, 7.0cm Length, With Wings, Guide wire .021”</td>
<td>SL21T71WP</td>
</tr>
<tr>
<td>21 Gauge, 7.0cm Length, With Wings, Guide wire .021”</td>
<td>SL21T71WSP</td>
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22 Gauge Merit Advance® Angiographic Needles

Hub: Polycarbonate
Cannula/Obturator: Stainless Steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>18 Gauge, Thin Wall, 6.0cm Length, One-Wall</td>
<td>AD22T61WP</td>
</tr>
<tr>
<td>18 Gauge, Thin Wall, 6.0cm Length, One-Wall</td>
<td>AD22T61WP</td>
</tr>
<tr>
<td>21 Gauge, Thin Wall, 6.0cm Length, One-Wall</td>
<td>AD22T61WP</td>
</tr>
</tbody>
</table>
Standard Needle

Gauge: 18G XTW
Length: 2.71”
FND-001-00
Over the Needle Access

Non-Drilled
OTN Size: 18G
OTN Length: 2.73”
Needle Gauge: 19.5G
Catheter Material: Radiopaque FEP
Hub Color: Yellow
FCA-002-04

Non-Drilled
OTN Size: 18G
OTN Length: 1.96”
Needle Gauge: 22G
Catheter Material: Radiopaque FEP
Hub Color: Green
FCA-001-01

Non-Drilled
OTN Size: 18G
OTN Length: 2.14”
Needle Gauge: 24G
Catheter Material: Radiopaque FEP
Hub Color: Blue
FCA-003-00

Non-Drilled
OTN Size: 18G
OTN Length: 1.57”
Needle Gauge: 19.5G
Catheter Material: Radiopaque FEP
Hub Color: Pink
FCA-001-03

Non-Drilled
OTN Size: 18G
OTN Length: 2.73”
Needle Gauge: 24G
Catheter Material: Radiopaque FEP
Hub Color: Blue
FCA-003-01

Non-Drilled
OTN Size: 18G
OTN Length: 1.97”
Needle Gauge: 24G
Catheter Material: Radiopaque FEP
Hub Color: Blue
FCA-001-08

Non-Drilled
OTN Size: 18G
OTN Length: 7.10”
Needle Gauge: 19.5G
Catheter Material: Radiopaque FEP
Hub Color: Pink
FCA-001-09

Non-Drilled
OTN Size: 18G
OTN Length: 2.73”
Needle Gauge: 24G
Catheter Material: Radiopaque FEP
Hub Color: Pink
FCA-001-10

Additional packaging configurations available; please contact a Merit Medical OEM representative for more information.
Over the Needle Access

Non-Drilled
OTN Size: 6F
OTN Length: 2.125”
Needle Gauge 14G
Catheter Material: Radiopaque FEP
Hub Color: Yellow
FCA-007-00

Non-Drilled
OTN Size: 18G
OTN Length: 1.96”
Needle Gauge 19.5G
Catheter Material: Radiopaque FEP
Hub Color: Pink
FCA-012-00

Non-Drilled
OTN Size: 14G
OTN Length: 2.75”
Needle Gauge 16G
Catheter Material: Radiopaque FEP
Hub Color: Orange
FCA-028-00

Non-Drilled
OTN Size: 6F
OTN Length: 2.76”
Needle Gauge 17G
Catheter Material: Radiopaque FEP
Hub Color: White
FCA-044-00

Drilled
OTN Size: 4F
OTN Length: 2.76”
Needle Gauge 20G
Catheter Material: Radiopaque FEP
Hub Color: White
FCA-044-01

Drilled
OTN Size: 5F
OTN Length: 2.76”
Needle Gauge 19G
Catheter Material: Radiopaque FEP
Hub Color: White
FCA-044-04

Drilled
OTN Size: 5F
OTN Length: 3.94”
Needle Gauge 19G
Catheter Material: Radiopaque FEP
Hub Color: White
FCA-044-05

Drilled
OTN Size: 5F
OTN Length: 5.91”
Needle Gauge 17G
Catheter Material: Radiopaque FEP
Hub Color: White
FCA-044-07
Prelude® Obturators

French Size: 4F
Length: 13cm
Color: Red
OBT-4F-11

French Size: 4F
Length: 25cm
Color: Red
OBT-4F-23

French Size: 4F
Length: 13cm
Color: Gray
OBT-5F-11

French Size: 5 F
Length: 25cm
Color: Gray
OBT-5F-23

French Size: 6F
Length: 13cm
Color: Green
OBT-6F-11

French Size: 6F
Length: 25cm
Color: Green
OBT-6F-23

French Size: 7F
Length: 13cm
Color: Orange
OBT-7F-11

French Size: 7F
Length: 25cm
Color: Orange
OBT-7F-23
Valve Crossing Tools

French Size: 9F
MIS-097-00

French Size: 11F
MIS-097-01

French Size: 7F
MIS-099-00