SwiftNinja™
Steerable Microcatheter

Vessel Selection
without a guidewire
**SwiftNinja™**

Steerable Microcatheter

The most advanced and only articulating microcatheter on the market today. Speed, Control and Delivery at your fingertips

**Distal Tip Cross Section**

- 13.5 mm Distance between Radiopaque Markers
- 0.5 mm Soft Tip

**Hydrophilic coating**
on distal 80 cm

**Fluoroscopic Visualisation**

Two radiopaque marker bands for enhanced navigation and tip placement

**Steering Dial Mechanism**

Allows opposing 180° articulation from straight

**Steering Lock**

Once shaped, tip can be locked in position or re-directed to prevent recoil effect during embolic delivery

**Tungsten-braided Shaft**

Braided shaft enhances shaft support and provides pushability

“The frequent insertion and removal of guidewires during superselective catheterisation can be minimalised or avoided by using a microcatheter with an articulating tip. The SwiftNinja microcatheter was designed for superselective microcatheter insertion without the use of a guidewire with contrast injection. Using a SwiftNinja can potentially simplify and shorten the procedure, reduce guide wire induced spasms, and decrease radiation exposure, thereby leading to better embolotherapy and sophisticated vascular interventional radiology.”

— Dr. Yasuaki Arai. Chief, Department of Diagnostic Radiology, National Cancer Center of Japan.
SwiftNinja, a straight tip catheter that articulates up to 180 degrees in opposing directions to rapidly select the most challenging vascular ostium. Speed, Control and Delivery at your fingertips.

**Catheter Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inner Diameter</th>
<th>Outer Diameter Proximal Portion</th>
<th>Outer Diameter Distal Portion</th>
<th>Usable Length</th>
<th>Hydrophilic Coating Length</th>
<th>Max. Guidewire</th>
<th>Maximum Injection Pressure</th>
<th>Distance from Tip to 1st markerband</th>
<th>Distance between 1st and 2nd markerbands</th>
<th>Max. Microsphere Size</th>
<th>Max. Coil Size</th>
<th>Cath Vol.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIV-20500</td>
<td>(0.021&quot;) 0.54 mm</td>
<td>2.9F 0.97 mm</td>
<td>2.4F 0.80 mm</td>
<td>125 cm</td>
<td>80 cm</td>
<td>≤ 0.018&quot; 0.46 mm</td>
<td>6,900 kpa 1,000 psi</td>
<td>0.5 mm</td>
<td>13.5 mm</td>
<td>500µm</td>
<td>0.018&quot;</td>
<td>0.49 ml</td>
</tr>
</tbody>
</table>

**Microsphere Compatibility**

**HepaSphere Microspheres**

<table>
<thead>
<tr>
<th>Dry Particle Size Range</th>
<th>Hydrated Size Range</th>
<th>Colour Code</th>
<th>Product Number</th>
<th>Loadable Drugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-60 µm</td>
<td>120-240 µm</td>
<td>Orange</td>
<td>V225HS</td>
<td>Irinotecan, Doxorubicin</td>
</tr>
<tr>
<td>50-100 µm</td>
<td>200-400 µm</td>
<td>Yellow</td>
<td>V325HS</td>
<td>Irinotecan, Doxorubicin</td>
</tr>
</tbody>
</table>

**Embosphere Microspheres**

<table>
<thead>
<tr>
<th>Product</th>
<th>Size Range</th>
<th>Colour Code</th>
<th>Code pre-filled syringe 2 mL</th>
<th>Microspheres Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embosphere</td>
<td>40-120 µm</td>
<td>Orange</td>
<td>S120GH</td>
<td>-</td>
</tr>
<tr>
<td>Embosphere</td>
<td>100-300 µm</td>
<td>Yellow</td>
<td>S220GH</td>
<td>-</td>
</tr>
<tr>
<td>Embosphere</td>
<td>300-500 µm</td>
<td>Blue</td>
<td>S420GH</td>
<td>-</td>
</tr>
</tbody>
</table>

*C Microsphere compatibility chart references the hydrated microsphere size range accepted by the SwiftNinja Microcatheter.

**Catheter Preparation for Use**

To activate the hydrophilic coating: Flush the catheter with heparinized saline via the standard luer BEFORE removal from the protective catheter sleeve.

To release the lock on the steering dial: Hold the handgrip on the lower housing body in your left hand and gently pull the steering dial toward the luer connector until a clicking sound is heard.

**Ordering Information:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIV-20500</td>
<td>SwiftNinja Steerable Microcatheter 2.9F-2.4F 125cm</td>
</tr>
</tbody>
</table>

Austria 0800 295 374  
Belgium 0800 72 906 (Dutch) 0800 73 172 (Français)  
Denmark 80 88 00 24  
Finland 0800 770 586  
France 0800 91 60 30  
Germany 0800 182 0871  
Ireland (Republic) 1800 553 163  
Italy 800 897 005  
Luxembourg 8002 25 22  
Netherlands 0800 022 81 84  
Norway 800 11629  
Portugal 308 801 034  
Spain +34 911238406  
Sweden 020 792 445  
Switzerland (Deutsch) +41 225180252 (Français) +41 225948000 (Italiano) +41 225180035  
UK 0800 973 115