PUSHING BOUNDARIES

Terumo Interventional Systems is committed to your success with innovative procedural solutions and ongoing support for your most challenging cases.

We are relentlessly seeking new ways to help you apply effective solutions and achieve better outcomes for more patients.
**OPTIMAL TRACKABILITY THROUGH TORTUOUS ANATOMY**

**Designed to confidently deliver embolotherapy**
- Tungsten coil reinforcement for kink resistance
- PTFE inner layer is designed for exceptional guidewire tracking, with virtually frictionless delivery of coils and other embolics
- DMSO compatible

**Designed to enhance access to small, distal vessels**
- TERUMO Glide Technology™ hydrophilic coating enhances navigation through tortuous anatomy
- Unique varied tungsten coil pitch construction provides distal flexibility and proximal pushability, enhancing vessel selectivity and catheter placement

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**PROGREATH® Microcatheters**

**Achieve effective embolization when used in combination with**

**Gladwire GT and AZUR®**

**Super-Selective Hydrophilic Coated Guidewire**

**PROGREATH COAXIAL MICROCATHETER SYSTEM**

- Preloaded with uniquely designed 0.021” GLIDEWIRE® GT
- Enables simultaneous preparation of microcatheter and guidewire, which may save time and increase procedural efficiency

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**Designed to enable rapid, precise positioning with optimal visibility**

- Radiopaque 0.7 mm platinum/iridium microcatheter markers engineered into 110, 130, and 150 cm microcatheters

**Single Marker**
- 3 cm radiopaque gold coil on 0.021” GLIDEWIRE® GT
- Distal
- Proximal

**Double Marker**
- 0.7 mm platinum/iridium marker
- 31 mm
- Distal
- Proximal
- 0.7 mm platinum/iridium marker
- First Marker
- Second Marker

**PROGREATH ALPHAB® 2.0 Fr - 110, 130 cm, 150 cm**
- 0.7 mm platinum/iridium marker
- 31 mm
- Distal
- Proximal
- First Marker
- Second Marker

**PROGREATH 2.4 Fr - 2.8 Fr - 110 cm, 130 cm**
- 0.7 mm platinum/iridium marker
- 31 mm
- Distal
- Proximal
- First Marker
- Second Marker

**PROGREATH 2.4 Fr - 2.8 Fr - 150 cm**
- 0.7 mm platinum/iridium marker
- 31 mm
- Distal
- Proximal
- First Marker
- Second Marker

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**TERUMO INTERVENTIONAL SYSTEMS**
## PROGREAT MICROCATHERETER
Includes hemostatic valve and shaping mandrel

<table>
<thead>
<tr>
<th>Fr Size</th>
<th>Product Code</th>
<th>Length (cm)</th>
<th>Max Pressure (psi)</th>
<th>RO Markers</th>
<th>Hydrophilic Coating Length (cm)</th>
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</thead>
<tbody>
<tr>
<td>2.4Fr</td>
<td>MC'PB2411Y</td>
<td>110</td>
<td>750</td>
<td>1</td>
<td>50</td>
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<tr>
<td></td>
<td>MC'PB2413Y</td>
<td>130</td>
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<tr>
<td></td>
<td>MC'PM2415Y</td>
<td>150</td>
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<td>90</td>
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<tr>
<td>2.7Fr</td>
<td>MC'PC2711Y</td>
<td>110</td>
<td>750</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>MC'PC2713Y</td>
<td>130</td>
<td></td>
<td>1</td>
<td>70</td>
</tr>
<tr>
<td>2.8Fr</td>
<td>MC'PB2811Y</td>
<td>110</td>
<td>900</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>MC'PB2813Y</td>
<td>130</td>
<td></td>
<td>1</td>
<td>70</td>
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<tr>
<td></td>
<td>MC'PM2815Y</td>
<td>150</td>
<td></td>
<td>2</td>
<td>90</td>
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</table>

## PROGREAT COAXIAL MICROCATHERETER SYSTEM
Includes unique 0.021" GLIDEWIRE® GT, wire stopper, guidewire introducer, hemostatic valve, 2.5mL syringe and shaping mandrel

<table>
<thead>
<tr>
<th>Fr Size</th>
<th>Product Code</th>
<th>Length (cm)</th>
<th>Max Pressure (psi)</th>
<th>RO Markers</th>
<th>Hydrophilic Coating Length (cm)</th>
<th>0.021&quot; GLIDEWIRE® GT Coating Length (cm)</th>
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<tbody>
<tr>
<td>2.7Fr</td>
<td>MC'PE27111Y</td>
<td>110</td>
<td>750</td>
<td>1</td>
<td>50</td>
<td>120</td>
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<tr>
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<td>MC'PE27131Y</td>
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<td>1</td>
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<td>2.8Fr</td>
<td>MC'PE28111YB</td>
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<td>900</td>
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<tr>
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<td>MC'PE28131YB</td>
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<td>70</td>
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<tr>
<td>2.8Fr</td>
<td>MC'PE28151YV</td>
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## PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Catheter OD</th>
<th>Length</th>
<th>Inner Diameter (in/mm)</th>
<th>Max Guidewire (in)</th>
<th>Embolic Compatibility</th>
<th>Dead Space Volume (mL)</th>
<th>Actual Flow Rate* (mL/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.4/2.9Fr</td>
<td>110 cm</td>
<td>0.022&quot;x0.57mm</td>
<td>0.018&quot;</td>
<td>0.018&quot; Coils/800 ± 75 µm</td>
<td>0.48</td>
<td>2.3</td>
</tr>
<tr>
<td></td>
<td>130 cm</td>
<td></td>
<td></td>
<td>0.53</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>150 cm</td>
<td></td>
<td></td>
<td>0.58</td>
<td>1.8</td>
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</tr>
<tr>
<td>2.7 Fr</td>
<td>110 cm</td>
<td>0.025&quot;x0.65mm</td>
<td>0.021&quot;</td>
<td>0.018&quot; Coils/800 ± 75 µm</td>
<td>0.57</td>
<td>3.5</td>
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<tr>
<td></td>
<td>130 cm</td>
<td></td>
<td></td>
<td>0.64</td>
<td>3.2</td>
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</tr>
<tr>
<td>2.8/3.0Fr</td>
<td>110 cm</td>
<td>0.027&quot;x0.70mm</td>
<td>0.021&quot;</td>
<td>0.018&quot; Coils/800 ± 75 µm</td>
<td>0.61</td>
<td>4.1</td>
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<td>130 cm</td>
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<td></td>
<td>0.68</td>
<td>3.7</td>
<td>4.3</td>
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<tr>
<td></td>
<td>150 cm</td>
<td></td>
<td></td>
<td>0.75</td>
<td>3.1</td>
<td>3.9</td>
</tr>
</tbody>
</table>

*Flow rates taken at 37°C using ISOVUE® 300.

## FIND OUT MORE
- Phone: 800.862.4143
- terumo.com
- Fax: 800.411.5870
EXPAND YOUR OPTIONS IN ACCESS & EMBOLIC DELIVERY

PROGRETA™ 2.0 Fr size for small peripheral vessels

Designed to enhance access to small peripheral vessels:
- Low profile distal OD—smallest microcatheter specifically for peripheral vasculature
- TERUMO Glide Technology™ for navigation through tortuous anatomy

Designed to confidently deliver embolotherapy:
- Thin-wall design with large 0.019” lumen
- Tungsten coil reinforcement for kink resistance
- DMSO compatible

Designed to improve the efficiency of your embolization procedures:
- Supports the delivery of large embolics—up to 500 µm spherical particles, and the AZUR® CX 0.018” Peripheral Coil System
- Designed to provide clear images, with superior PSI, compared to similar-sized microcatheters

Designed for small vessel embolization procedures such as:
- Prostate artery embolization (PAE)
- Pre Y-90 embolization
- Gastrointestinal bleeds
PROGREAT ALPHA™ 2.0 Fr Peripheral Microcatheter

ORDERING INFORMATION

PROGREAT ALPHA™ PERIPHERAL MICROCATHER

<table>
<thead>
<tr>
<th>Fr SIZE</th>
<th>PRODUCT CODE</th>
<th>LENGTH (cm)</th>
<th>MAX PRESSURE (PSI)</th>
<th>RD MARKERS</th>
<th>TIP SHAPE</th>
<th>HYDROPHILIC COATING LENGTH (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 Fr</td>
<td>MC*PC2011Y</td>
<td>110</td>
<td>750</td>
<td>1</td>
<td>Straight†</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>MC*PC2013Y</td>
<td>130</td>
<td></td>
<td>1</td>
<td>Straight†</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>MC*PC2015Y</td>
<td>150</td>
<td></td>
<td>1</td>
<td>Straight†</td>
<td>90</td>
</tr>
</tbody>
</table>

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Catheter OD Distal/Proximal (Fr/mm)</th>
<th>LENGTH (cm)</th>
<th>INNER DIAMETER (in/mm)</th>
<th>MAX GUIDEWIRE (in)</th>
<th>EMBOLIC COMPATIBILITY</th>
<th>DEAD SPACE VOLUME (mL)</th>
<th>ACTUAL FLOW RATE* (mL/sec)</th>
<th>MAX PRESSURE (PSI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 Fr</td>
<td>110</td>
<td>0.019/0.49</td>
<td>0.016</td>
<td>AZUR® CX 0.018&quot; Coils/HydroPearl® 400 ± 75 µm</td>
<td>0.39</td>
<td>1.3</td>
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<td>0.46</td>
<td>1.0</td>
<td></td>
</tr>
</tbody>
</table>

*Flow rates taken at 37° using ISOVUE® 300
†Shapeable tip—includes shaping mandrel

PROGREAT® MICROCATHER

Also available in 2.4 Fr / 2.7 Fr / 2.8 Fr (without guidewire)
Includes hemostatic valve and shaping mandrel

PROGREAT® COAXIAL MICROCATHER SYSTEM

Available in 2.7 Fr / 2.8 Fr (coaxial type with catheter and guidewire)
Includes unique 0.021" GLIDEWIRE® GT Guidewire, wire stopper, guidewire introducer, hemostatic valve, 2.5 mL syringe, and shaping mandrel

FIND OUT MORE

Phone: 800.862.4143
terumois.com

References:
3. PROGREAT Catheter 510(k); 2003.

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