At Surefire Medical, we are united in a mission to change the cancer care paradigm. We develop liver cancer infusion systems that overcome the limitations of traditional tools and delivery methods in pairing clinical discoveries with new, precise technology. The Surefire Medical portfolio of products arms physicians to target tumors with superior control, accuracy and precision. With thousands of patients treated, eight published clinical studies, two completed randomized controlled trials, and additional studies underway, Surefire Medical advances cancer care.

Surefire Medical invents the future for cancer care with advanced treatment technology.

Surefire Precision Infusion System - 120cm
Catalog Number: SPS-21120-3S
Usable Length: 120 cm
Minimum Guiding Catheter ID: 0.046”
Outer Diameter/Distal Tip: 3.2F/2.8F
Inner Diameter: 0.021”
Recommended Vessel Size: 1.5mm – 3.5mm
Maximum Pressure: 1200 psi

Surefire Precision Infusion System - 150cm
Catalog Number: SPS-21150-3S
Usable Length: 150 cm
Minimum Guiding Catheter ID: 0.046”
Outer Diameter/Distal Tip: 3.2F/2.8F
Inner Diameter: 0.021”
Recommended Vessel Size: 1.5mm – 3.5mm
Maximum Pressure: 1200 psi

4: Data on file at Surefire Medical, Inc.

Directed Therapy Through Dynamic Technology
Optimal Pressure
Natural Flow
Self-Centering Accuracy
Unparalleled Protection
The Surefire Precision Infusion System works in harmony with the body to deliver highly targeted therapies to liver tumors.

- **Optimal Pressure**
  Harnesses infusion pressure to create flow within the tumor, overcoming barriers to therapy delivery. 68% increase in tumor uptake

- **Natural Flow**
  Allows forward flow to facilitate infusion, then blocks backflow to protect healthy tissue. Allows 84.4% of endogeneous blood flow

- **Self-Centering Accuracy**
  Expands atraumatically to the vessel wall, providing controlled, even therapeutic agent delivery. Innovative design creates favorable particle-fluid dynamics

- **Unparalleled Protection**
  Provides superior anti-reflux capabilities to protect healthy tissue and compromised vessels. 58% reduction in particles to healthy tissue

---

### Infusion Device Comparison

#### End-Hole Catheter
- Left hepatic angiogram with standard end-hole microcatheter. Images A & B Courtesy of Joseph P. Gerding, MD, Maine Medical Center, Portland, ME.

#### Surefire Infusion System
- Left hepatic angiogram with Surefire Infusion System shows greater tumor enhancement (yellow arrows) and reduced non-target delivery (orange arrow).

---

### Surefire Precision Infusion System outperforms standard end-hole catheters with accuracy, control and protection.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Surefire Precision</th>
<th>Terumo Progreat</th>
<th>Boston Scientific Renegade STC*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distal Tip Outer Diameter (Fr.)</td>
<td></td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>Inner Diameter (Inches)</td>
<td></td>
<td></td>
<td>2.4</td>
</tr>
<tr>
<td>Kink Radius (mm)</td>
<td></td>
<td></td>
<td>0.6</td>
</tr>
<tr>
<td>Pushability*(gf)</td>
<td>13.9</td>
<td>8.6</td>
<td>13.9</td>
</tr>
<tr>
<td>% Delivered to Target</td>
<td>40.4%</td>
<td>39.4%</td>
<td>99.8%</td>
</tr>
<tr>
<td>Pressure Gradient During Infusion</td>
<td>3.0 mmHg</td>
<td>2.7 mmHg</td>
<td>42.7 mmHg</td>
</tr>
<tr>
<td>Passive Pressure Gradient** (%)</td>
<td>&lt; 2%</td>
<td>&lt; 2%</td>
<td>23.5%</td>
</tr>
</tbody>
</table>

* Pushability is defined as Distal Column Force  
** Defined as % pressure reduction in a vessel when deployed

---

© 2016 Surefire Medical, Inc. All rights reserved. MKT-0189-R01

---