

TriSalus' infusion technologies delivered more therapy into the vasculature of liver tumors while decreasing exposure to normal tissue in small clinical evaluations.^{1,2}

68%

Mean increase in liver tumor uptake in a small prospective clinical study.² The SIS enabled delivery of higher concentrations of therapeutic agents to the tumor compared to an end-hole catheter placed at the same infusion location.

89%

Bead delivery into liver tumors in a retrospective tissue analysis¹: This clinical evidence demonstrated a significant increase in bead delivery by SIS relative to standard delivery catheters. Higher concentrations of therapeutic agents were present in the liver tumor and less were observed in normal tissue.

58%

Mean reduction in non-target embolization in a small prospective clinical study²: Clinical evidence suggests superior anti-reflux capabilities to decrease therapy exposure to normal liver tissue and non-target vessels.^{1,2}

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for more information.

1. Titano et al Study Design: A retrospective, single-center study included 88 treatment-naïve patients with solitary HCC tumors <6.5 cm who underwent treatment utilizing either SIS (n = 18) or standard EH microcatheters (n = 70). Twenty-three patients (5 SIS, 18 EH) received a liver transplant during the study, with 1 SIS and 6 EH patients excluded from the tumor necrosis analysis for receiving subsequent therapies prior to transplant. A pathologist performed a blinded review of the liver explant specimens to assess tumor necrosis and treatment distribution. Pathological analysis of explanted livers showed greater concentrations of microspheres within the tumor relative to the surrounding tissue in SIS explants (88.7 ± 10.6%) versus the EH explants (55.3 ± 32.7%) (p = 0.002). Titano JJ, et al. Cardiovasc Intervent Radiol. 2019;42:560-568.
2. Pasciak et al Study Design: A prospective study including 9 patients with unresectable liver cancer who were enrolled for the treatment of HCC (n = 6), liver-dominant metastatic disease (n = 2) or intrahepatic cholangiocarcinoma (n = 1). Each patient was treated via standard EH microcatheter or SIS. Decreases in hepatic non-target embolization were found in all patients when the microvalve catheter was used (mean 42%; σ=19%), representing a 24%-89% reduction. Increased tumor deposition was also noted in all patients (mean 68%; σ=20%), representing a relative increase of 33%-90%. Both findings were statistically significant (P<0.05). Pasciak AS, et al. J Vasc Interv Radiol. 2015;26:660-669.

SUREFIRE® INFUSION SYSTEM (SIS) SPECIFICATIONS

Product Types	Ordering Code	Inner Diameter	Vessel Size	Usable Length	Proximal Outer Diameter	Distal Tip Outer Diameter	Dead Space	Max Contrast Flow Rate (@1200psi)	Bead Size Compatibility
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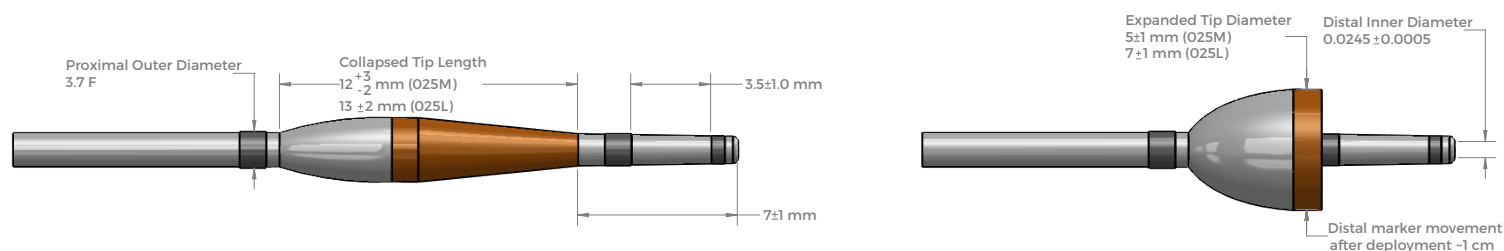
120 cm CATHETERS

O25M	SPS-25120-40	0.025 in	2.0 – 4.0 mm	120 cm	3.7 F	3.4 F	0.52 mL	3.6 mL/sec	Hydrogel ≤ 500 µm Glass ≤ 150 µm
O25L	SPS-25120-60	0.025 in	4.0 – 6.0 mm	120 cm	3.7 F	3.4 F	0.52 mL	3.6 mL/sec	Hydrogel ≤ 500 µm Glass ≤ 150 µm

150 cm CATHETERS

O25M	SPS-25150-40	0.025 in	2.0 – 4.0 mm	150 cm	3.7 F	3.4 F	0.61 mL	3.3 mL/sec	Hydrogel ≤ 500 µm Glass ≤ 150 µm
O25L	SPS-25150-60	0.025 in	4.0 – 6.0 mm	150 cm	3.7 F	3.4 F	0.61 mL	3.3 mL/sec	Hydrogel ≤ 500 µm Glass ≤ 150 µm

All catheters listed are incompatible with glue or alcohol.



ACCESSORY: BASE CATHETERS

Speak with a representative for a complete list of compatible shapes or other base catheters.

Manufacturer	Brand	Shape	Size	Inner Diameter	Usable Length
Surefire Medical	Flexion	Axis, SIM1	5F	0.054 in	80 cm
Surefire Medical	Surefire®	Axis, Cobra1, SIM1	5F	0.056 in	65 cm

Compatible with O25M & O25L 150 cm Catheters

DePuy Synthes/ Codman	Envoy®	Multipurpose C and D, Modified Cerebral and Headhunter 1	5F	0.056 in	90 cm, 100 cm
Medtronic	Launcher®	JR 4.0, MB1a and PAPA	5F	0.058 in	90 cm, 100 cm, 110 cm
Merit Medical	ConcierGE®	All Ultimate™ Curves and Multipurpose, Hockey Stick and Judkins Right 3.5	5F	0.057 in	100 cm
Terumo	Heartrail® III	TIG4.0, Ikari Right and Ikari Left	5F	0.058 in	100 cm

CONTACT US:

trisalusalifesci.com
 info@TriSalusLifeSci.com

Toll Free +1.888.321.5212
 Office +1.303.426.1222

Angiographic catheters with inner diameters from 0.035-0.038 in are not compatible.