



IMPEDE® Embolization Plug with SMP Technology

- Pushable delivery system
- Targeted deployment
- Quick, stable occlusions
- High degree of space filling
- Conformable to vessels

IMPEDE® Embolization Plug with SMP Technology

Porous Polymer Scaffold Structure for Stable Clot Formation

IMPEDE embolization devices are comprised of proprietary Shape Memory Polymer (SMP) technology. Twenty years of innovation and development has resulted in a stable, predictable, embolization solution for use in a variety of clinical applications. SMP technology includes porous polymeric materials capable of changing from a catheter-deliverable shape to a “memorized” larger conformable shape when delivered in a blood vessel. Furthermore, the porous scaffold design provides a structure for fast, stable, clot formation.

IMPEDE Embolization Plug with SMP Technology

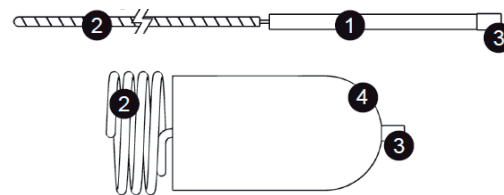
IMPEDE Embolization Plug Specifications



Crimped Plug Pre-Implant



Expanded Plug Post-Implant



1. Crimped SMP Plug
2. Anchor Coil
3. Proximal Marker Band
4. Expanded SMP Plug

IMPEDE Model	Recommended Vessel Diameter	Proximal Marker Band Diameter	SMP Plug Expanded Diameter	Anchor Coil Diameter	SMP Plug Length	Recommended Catheter ID*	
						Minimum	Maximum
IMP-05	2-5mm	0.032" (0.81mm)	6mm	7mm	10mm	0.038" (1.01mm)	0.057" (1.45mm)
IMP-07	4-7mm	0.046" (1.17mm)	8mm	9mm	10mm	0.055" (1.40mm)	0.071" (1.80mm)
IMP-10	6-10mm	0.065" (1.65mm)	12mm	13mm	15mm	0.070" (1.78mm)	0.090" (2.29mm)

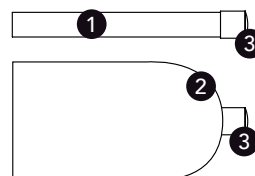
IMPEDE-FX Embolization Plug Specifications - SMP Plug Only



Crimped Plug Pre-Implant



Expanded Plug Post-Implant



1. Crimped SMP Plug
2. Expanded SMP Plug
3. Proximal Marker Band

IMPEDE-FX Model	Proximal Marker Band Diameter	SMP Plug Diameter		SMP Plug Length	Recommended Catheter ID*	
		Crimped	Expanded		Minimum	Maximum
IMP-FX-06	0.032" (0.81mm)	0.8mm	6mm	10mm	0.038" (1.01mm)	0.057" (1.45mm)
IMP-FX-08	0.046" (1.17mm)	1.2mm	8mm	10mm	0.055" (1.40mm)	0.071" (1.80mm)
IMP-FX-12	0.065" (1.65mm)	1.7mm	12mm	15mm	0.070" (1.78mm)	0.090" (2.29mm)

*Catheter recommendations based on 0.035" guidewire

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Intended Use: The IMPEDE Embolization Plug is indicated to obstruct or reduce the rate of blood flow in the peripheral vasculature. Indication, contraindication, warnings and instructions for use can be found in the product labeling supplied with each device. Patent: www.shapemem.com/patents IMPEDE is a registered trademark of Shape Memory Medical Inc. © 2018 Shape Memory Medical Inc. All rights reserved. LIT1001 Rev C