

OTHER DEVICES

CLOSURE DEVICES

Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility (inch)	FDA Approved	Comments
Abbott Vascular	Perclose A-T	Suture	5–8	.038	Yes	Automated knot for secure, mechanical vascular closure of 5- to 8-F access sites; braided polyester suture closure can be challenged and confirmed at the table
	Perclose ProGlide					Automated knot for secure, mechanical vascular closure of 5- to 8-F access sites; monofilament polypropylene suture closure can be challenged and confirmed at the table
	Prostar XL		8.5–10			Designed to close up to 10-F access sites; braided polyester suture for secure, mechanical closure; closure can be challenged and confirmed at the table
	StarClose	Nitinol clip	5, 6			An extravascular nitinol clip that mechanically closes the arteriotomy to ensure rapid hemostasis; closure can be challenged and confirmed at the table
	StarClose SE					Next-generation StarClose with enhanced ease-of-use design; extravascular nitinol clip that mechanically closes the arteriotomy to ensure rapid hemostasis; closure can be challenged and confirmed at the table
AccessClosure, Inc.	Mynx	Extravascular polyethylene glycol (PEG) sealant	5, 6, 7	Utilizes existing procedural sheath	Yes	Designed to minimize pain; uses extravascular, conformable PEG sealant that provides durable hemostasis; dissolves within 30 days, leaving nothing behind
Cardiva Medical, Inc.	Cardiva Catalyst II	Arteriotomy tamponade	5, 6, 7	Works through existing sheath	Yes	Deployable nitinol disc that provides temporary hemostasis at the arteriotomy, allowing it to recoil to the size of an 18-gauge needle; hemostatic coating on the wire accelerates the clotting cascade quickly facilitating vessel closure, preserving the artery, and leaving nothing behind

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Morris Innovative	FISH (Femoral Introducer Sheath and Hemostasis) Device	Biomaterial (SIS) seal allows for remodeling of host tissue at the arteriotomy	5, 6, 8	Works through existing sheath	Yes	Closure begins with access as the biomaterial sealant is introduced through the procedural sheath; the biomaterial actively approximates the arteriotomy for sealing where it is most effective, completely healing the vessel without scar tissue formation
St. Jude Medical, Inc.	Angio-Seal VIP, Angio-Seal STS Plus	Mechanical seal	6, 8	6 F=.035; 8 F=.038	Yes	Suture, collagen, and anchor sandwich of the arteriotomy; all components reabsorb within 90 days; FDA labeling for immediate restick
	Angio-Seal Evolution		4-8			Next-generation Angio-Seal with automated collagen compaction and enhanced ease-of-use design; suture, collagen, and anchor sandwich of the arteriotomy; all components reabsorb within 90 days; FDA labeling for immediate restick
	VasoSeal VHD, ES, Elite	Extravascular collagen sponge	5, 6, 7, 8	.038		Extravascular: no permanent intra-arterial component; bioabsorbable, proven collagen supports the natural healing process
	VasoSeal Low Profile		4, 5			Smaller design than VHD to accommodate 4- and 5-F puncture tracts
Sutura	SuperStitch	Polypropylene suture and knot	6-12	Works through existing sheath	Yes	True 6- and 8-F suture delivery through the sheath; does not enlarge arteriotomy; available in 6-, 8-, and 12-F, as well as 12-F extended length
Vascular Solutions, Inc.	Duett Pro, Diagnostic Duett Pro	Thrombin and collagen procoagulant	5-9	Works through existing sheath	Yes	Utilizes the existing sheath, a balloon catheter, and a procoagulant to achieve hemostasis; Duett Pro is approved for use with GP IIb/IIIa inhibitors and ACT of <400