



ENHANCED DIAGNOSTIC PRECISION FOR CORONARY SINUS MAPPING AND BEYOND

EPstar EP Diagnostic Catheters

2F Microcatheter*

GO FURTHER.

The **EPstar** 2F microcatheter enables mapping and pacing in distal coronary sinus (CS) branches, inaccessible to other catheters.



6F Guiding Catheter**

FACILITATE.

The **EPstar** 6F catheter is an EP catheter capable of pacing and mapping in the CS. It is torquable with a large lumen, facilitating placement and telescoping of the 2F microcatheter in the coronary venous system.

*EPstar **2F** Fixed Electrophysiology Catheter **EPstar 6F Fixed Electrophysiology Catheter with Lumer



Atraumatic distal tip facilitates confidence in accessing branches of the CS.

18 Electrodes Total

BROAD COVERAGE

With the octapolar 2F and

decapolar 6F, acheive optimal coverage for pacing and mapping with 18 electrodes total.



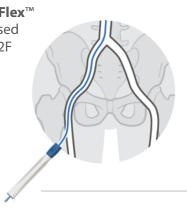
6F LARGE LUMEN

Wide lumen allows for flushing and aspiration of fluids, and is compatible with devices up to 0.035" diameter.

FEMORAL ACCESS TOOLKIT

SureFlex® Steerable Sheath **TorFlex™** Transseptal Guiding Sheath

SureFlex[®] or TorFlex[™] sheaths can be used to introduce the 2F microcatheter.



NorthStar™ Coronary Sinus Guidewire

6F Guiding Catheter

EPstar 6F catheter is specially curved to access

and cannulate the CS

from a superior approach.

SUPERIOR ACCESS TOOLKIT

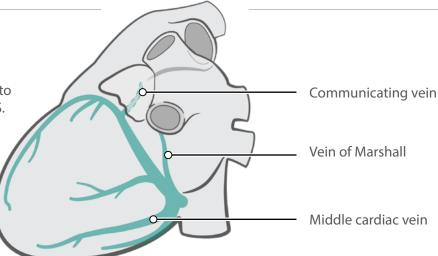
The smooth tracking and torquability of **NorthStar**[™] CS Guidewire facilitates CS navigation and branch subselection.



2F microcatheter may be deployed to map in the distal branches of the CS.

2F mapping has been used for:

- Idiopathic VTs^{1,2}
- Complex ATs^{3,4}
- Left WPW 5
- Mapping and pacing in VOM^{3,6}



Vein of Marshall

Middle cardiac vein





2F ENHANCED PACING

Larger 1.5 mm and 1.3 mm electrodes for crisp electrograms and better pacing.



6F SOFT TOUCH

Maneuver confidently in the CS: stiffness decreases gradually towards a soft distal tip.



6F CONTROL

Fully braided shaft, even under electrodes, allows greater maneuverability.





EPstar Electrophysiology Catheters

Product name	Product code	Electrode spacing	Electrode size	Usable length	Electrodes
EPstar 2F Fixed Electrophysiology Catheter	DCF-2-8-55-130	5-5-5 mm	1.3 mm, distal tip: 1.5 mm	130 cm	8
EPstar 6F Fixed Electrophysiology Catheter with Lumen	DLF-6-10-55-65	5-5-5 mm	1.2 mm	65 cm	10
EPstar 6F Fixed Electrophysiology Catheter with Lumen	DLF-6-10-28-65	2-8-2 mm	1.2 mm	65 cm	10
EPstar Electrophysiology Cable (10 pins, resterilizable - 5 uses)	DEX-10	N/A	N/A	230 cm	N/A
EPstar Bundle 2F + 6F (555) Virtual Kit	DLK-2-55-6-55-65	N/A	N/A	N/A	N/A
EPstar Bundle 2F + 6F (282) Virtual Kit	DLK-2-55-6-28-65	N/A	N/A	N/A	N/A

Related products:



NorthStar™ Coronary Sinus Guidewire

Product name	Product code	Usable length	Outer diameter
NorthStar™ Coronary Sinus Guidewire, Straight tip, extra support	NGW-14-190-X	190 cm	0.014"
NorthStar™ Coronary Sinus Guidewire, Straight tip, distal support	NGW-14-190-D	190 cm	0.014"
NorthStar™ Coronary Sinus Guidewire, Straight tip, extra distal support	NGW-14-190-XD	190 cm	0.014"
NorthStar™ Coronary Sinus Guidewire, Modified J tip, extra support	NGW-14-190-X-J	190 cm	0.014"
NorthStar™ Coronary Sinus Guidewire, Modified J tip, distal support	NGW-14-190-D-J	190 cm	0.014"
NorthStar™ Coronary Sinus Guidewire, Modified J tip, extra distal support	NGW-14-190-XD-J	190 cm	0.014"



SureFlex® Steerable Sheath

Product code	Distal curve diameter	Usable sheath length	French size compatibility	Sheath overall length	Bidirectional curve angles
TSK85-32-BD-71S	Small (17 mm)	72 cm	8.5 F (2.8 mm)	91 cm	90° CCW, 180° CW
TSK85-32-BD-71M	Medium (22 mm)	72 cm	8.5 F (2.8 mm)	91 cm	90° CCW, 180° CW
TSK85-32-BD-71L	Large (50 mm)	72 cm	8.5 F (2.8 mm)	91 cm	90° CCW, 180° CW



TorFlex™ Transseptal Guiding Sheath

Product code	Sheath curve	Usable sheath length	French size compatibility
TF8-32-63-45	45°	63 cm	8 F (2.67 mm)
TF8-32-63-55	55°	63 cm	8 F (2.67 mm)
TF8-32-63-90	90°	63 cm	8 F (2.67 mm)
TF8-32-63-135	135°	63 cm	8 F (2.67 mm)
TF8-32-81-45	45°	81 cm	8 F (2.67 mm)

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1 Komatsu et al., 2018, Circ Arrhythm Electrophysiol - (2F EPstar Fix) 2 Ito et al., 2005, PACE – (2F Pathfinder, Cardima) 3 Kawamura et al., 2019, J Interv Card Electrophysiol - (2F EPstar Fix) 4 Yamamoto et al., 2014, Heart Rhythm - (2F EPstar) 5 Davis et al., 1995, Br Heart J. 6 Fujisawa et al., 2019, Pacing Clin Electrophysiol. - (2F EPstar Fix)

EPstar 2F and 6F catheters brought to you in collaboration with **JL** Japan Lifeline



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