

Distal Tip Softness Comparison

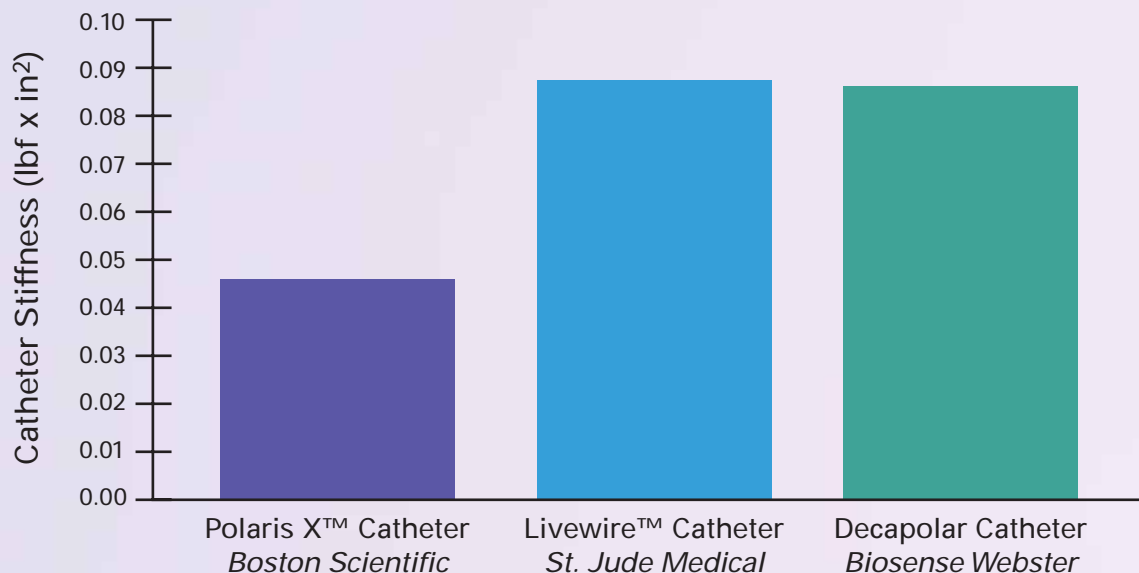
Why is distal tip softness and length important to clinical performance?

- A soft, atraumatic distal tip is critical to safe diagnostic catheter performance.
- Softer tips are designed to lower the risk of vessel perforation.
- A soft tip is likely to contribute to outstanding trackability by conforming to the vessel wall as the catheter is advanced through challenging sites, such as the coronary sinus.
- A soft tip is designed to provide greater tip stability by moving with the heart as it beats, as opposed to becoming dislodged, as may happen with stiffer tips.

What makes the Polaris X Catheter superior?

- The distal tip of the Polaris X Catheter is almost 50% softer than that of the Livewire™ Catheter (*St. Jude Medical*) and the Decapolar Catheter (*Biosense Webster*).*
- The combination of proximal shaft stiffness and distal tip flexibility is intended to help the catheter remain in a stable position throughout the procedure.
- The Polaris X Catheter is designed to provide accurate, sharp electrograms from the left atrium when positioned in the coronary sinus.

Distal Tip Softness Comparison



*Distal tip deflection (cantilever bend) testing completed by Boston Scientific Corporation. Data on file. (n=10 each BSC Polaris X Catheter, part no. M0047003D0; St. Jude Medical Livewire Catheter, part no. 401575; and Biosense Webster Decapolar Catheter, part no. D610FR252RT). Part numbers obtained from 2005 competitive catalogs. Bench test results may not necessarily be indicative of clinical performance. Livewire is a trademark of St. Jude Medical.

Polaris X™ Steerable Diagnostic Catheter

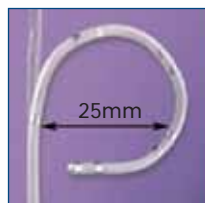
Clinical Benefits

- Precise steering control allows for continuous curve adjustment, providing access to challenging sites such as the coronary sinus and pulmonary veins
- Variety of configurations for site specific mapping
- Ergonomic piston design offers enhanced actuation and handling comfort
 - Slide mechanism designed for comfortable thumb actuation
 - Directional dimple on slide mechanism allows tactile recognition of curve plane orientation
 - Handle shape conceived to comfortably rest in palm of the hand to reduce hand fatigue during long mapping procedures

Technical Information



Piston Handle



270° Standard Curve

Shaft Diameter	6F
Usable length	105cm
Electrode material	Platinum/Iridium
Tip curvature range	270° standard, unidirectional
Configuration	Decapolar

Ordering Information

Polaris X Steerable Diagnostic Catheters

Model	Electrode	Curve	Electrode
M004 7000D 0	Decapolar	270° Standard	2.5mm
M004 7001D 0	Decapolar	270° Standard	5mm
M004 7003D 0	Decapolar	270° Standard	2.5/5/2.5mm
M004 7004D 0	Decapolar	270° Standard	2/8/2mm
M004 7005D 0	Decapolar	270° Standard	2/10/2mm

Accessories

M004 5454S 0	Adaptor Cable
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