

# Dialysis is critical. Preserving access is essential.

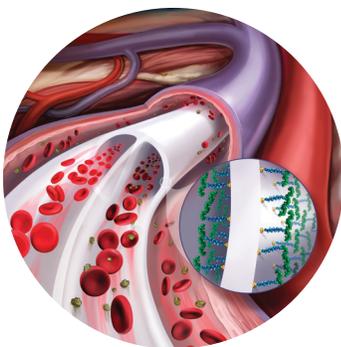
## Palindrome™ precision chronic dialysis catheter family

Our Palindrome™ precision family of chronic hemodialysis catheters feature unique design, innovative coatings, precision tip technology — and a legacy you can count on.

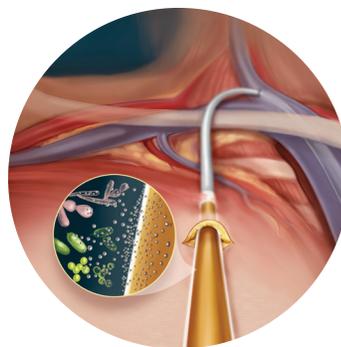
- Palindrome™ precision symmetric tip dialysis catheter**  
The symmetric tip with marker band technology and laser-cut side slots increases tip visualization — reducing recirculation. It incorporates a design that promotes adequate flow over the duration of use.<sup>1-3</sup>
- Palindrome™ precision H—heparin coated dialysis catheter**  
Noneluting heparin coating decreases the likelihood of platelet adhesion and inhibits fibrin sheath propagation.<sup>4</sup>
- Palindrome™ precision SI—silver ion antimicrobial dialysis catheter**  
Silver ion sleeve reduces colonization on the catheter surface against a broad spectrum of bacteria for at least 15 days, if not longer, depending on the organism.<sup>5</sup>
- Palindrome™ precision HSI—heparin coated and silver ion antimicrobial dialysis catheter**  
Heparin coating and a silver ion sleeve are incorporated into the dialysis catheter — which reduces the likelihood of platelet adhesion and colonization against a broad spectrum of bacteria for at least 15 days, if not longer, depending on the organism.<sup>4,5</sup>



Symmetric tip



Heparin coating



Silver ion antimicrobial sleeve



# Ordering information: Palindrome™ precision chronic dialysis catheter family

Catheter	Product Codes		Insertion Length	Overall Length
	Kits	Sport Packs		
Palindrome™ precision catheter	8888145014P	8888119360P	19 cm	36 cm
	8888145015P	8888123400P	23 cm	40 cm
	8888145016P	8888128450P	28 cm	45 cm
	8888145017P	8888133500P	33 cm	50 cm
	8888146044P	n/a	44 cm	61 cm
	8888145018P	n/a	55 cm	72 cm
Palindrome™ precision catheter with VenaTrac™ insertion stylets	8888145039P	8888119364P	19 cm	36 cm
	8888145040P	8888123404P	23 cm	40 cm
	8888145041P	8888128454P	28 cm	45 cm
	8888145042P	8888133504P	33 cm	50 cm
Pre-Curved Palindrome™ precision catheter	8888145058P	8888119370P	19 cm	36 cm
	8888145059P	8888123410P	23 cm	40 cm
	8888145060P	8888128460P	28 cm	45 cm
Palindrome™ precision H-heparin coated catheter	8888145061P	8888133510P	33 cm	50 cm
	8888145043P	8888119365P	19 cm	36 cm
	8888145044P	8888123405P	23 cm	40 cm
Pre-Curved Palindrome™ precision H-heparin coated catheter	8888145045P	8888128455P	28 cm	45 cm
	8888145046P	8888133505P	33 cm	50 cm
	8888145068P	8888119371P	19 cm	36 cm
Palindrome™ precision SI-silver ion antimicrobial sleeve catheter	8888145069P	8888123411P	23 cm	40 cm
	8888145070P	8888128461P	28 cm	45 cm
	8888145071P	8888133511P	33 cm	50 cm
Palindrome™ precision HSI-heparin coated and silver ion antimicrobial sleeve	8888145062P	8888119368P	19 cm	36 cm
	8888145063P	8888123408P	23 cm	40 cm
	8888145064P	8888128458P	28 cm	45 cm
	8888145065P	8888133508P	33 cm	50 cm
	8888146144P	n/a	44 cm	61 cm
Palindrome™ precision HSI-heparin coated and silver ion antimicrobial sleeve	8888145066P	n/a	55 cm	72 cm
	8888145057P	8888119369P	19 cm	36 cm
	8888145048P	8888123409P	23 cm	40 cm
	8888145049P	8888128459P	28 cm	45 cm
	8888145050P	8888133509P	33 cm	50 cm

## Components

Palindrome™ precision base, H, SI, and HSI catheters	Qty	Sport Packs	Kits
14.5 Fr symmetric tip catheter	1	•	•
VenaTrac™ over-the-wire insertion stylets	2	•	•
16 Fr Valved pull-apart safety sheath	1	•	•
Bifurcated tunneler	1	•	•
12 Fr Tissue dilator	1	•	•
14 Fr Tissue dilator	1	•	•
Injection sealing caps	2	•	•
18 g Introducer needle	1		•
J/Straight 0.038" guidewire	1		•
12 mL Syringe	1		•
#11 Scalpel	1		•
Telfa™ island dressings	2		•
4" x 4" cotton gauze sponges	4		•

Hemodialysis catheter repair kit	Components
8888200001	Arterial repair assembly (1), Venous repair assembly (1), Sealing caps (2), Temporary slide clamps (2), Drape (1), Disposable scissors (1), Measurement guide (1), Priming volume label sheet (1)

## Palindrome™ HSI chronic catheter

### Indications for use

The Palindrome™ HSI chronic catheter with heparin coating and silver ion subcutaneous sleeve is intended for acute and chronic hemodialysis, apheresis, and infusion. It may be inserted either percutaneously or by cutdown.

### Contraindications

The device is contraindicated in thrombosed vessels or for subclavian puncture when ventilator is in use. This product should not be used in patients with documented hypersensitivity to silver, heparin or porcine based products. Heparin coated catheters should not be used in patients with severe thrombocytopenia, uncontrollable active bleeding disorders, or with skin necrosis from previous heparin use. In case of infection, the silver in the catheter does not replace the need for using systemic anti-infective agents. Clinicians/ Healthcare Professionals should be aware that there are very limited data on prolonged and repeated use of silver containing products and particularly in children and neonates.

See the device manual for detailed information regarding the implant procedure, indications, contraindications, warnings, precautions, and potential complications/adverse events.

1. Tal MG. Comparison of Recirculation Percentage of the Palindrome Catheter and Standard Hemodialysis Catheters in a Swine Model. *J Vasc Interv Radiol.* 2005;16(9):1237-1240.

2. Based on internal test report #50136-179-MS-11 Rev 0. 2011.

3. Based on internal test report #50136-176-MS-11 Rev 0. 2012.

4. Based on internal test report #136-041-MAN-05. 2005.

5. Based on internal test report #136-053-MAN-05. 2005.