Your dialysis patient’s safety is your priority. And ours. That’s why we developed the Palindrome™ Precision H-Heparin Coated dialysis catheter.

**The Solution: Noneluting Heparin Coating Technology**

Our noneluting heparin coating covers:
- The outer surface of the catheter from tip to cuff
- Inside the catheter from tip to adapters

The heparin coating’s triple-action formula includes:
- Heparin (antithrombogenic)
- Negative charge (nonthrombogenic)
- Hydrophilicity (nonthrombogenic)

**Our Technology in Practice**

When compared to an uncoated catheter in the animal model, the Palindrome™ Precision H-Heparin Coated dialysis catheter has been shown to:
- Decrease likelihood of clot formation, with:
  - In vivo testing demonstrating an 82% reduction in thrombus accumulation
  - In vitro testing showing a 60% reduction in platelet adhesion on the surface as compared to noncoated catheters
- Inhibit fibrin sheath propagation compared to noncoated catheters, as supported by in vivo data
- Have long-lasting effectiveness, with the heparin coating remaining intact after 720 hours of continuous flow, simulating 13 months of dialysis treatment, as tested in a shear flow model

**Comparative Testing**

Comparative catheter testing proves the benefits of Palindrome™ Precision H-Heparin coated dialysis catheter. The Palindrome™ Precision H-Heparin catheter demonstrated greater than 86% reduction in thrombus formation by weight in a closed loop in vitro bench test against selected competitors.

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†The catheters used in this study were size 3F, 4F, and 5F in diameter, 8 to 15 cm in length, and of polyurethane or polyethylene composition (Cook Inc., Bloomington, Ind.).
91% reduction in thrombus weight compared to AngioDynamics DuraMax™ with BioFlo dialysis catheter

86% reduction in thrombus weight compared to Teleflex Arrow-Clark™ VectorFlow™ dialysis catheter

87% reduction in thrombus weight compared to Bard GlidePath™ dialysis catheter

†Observed thrombus formed on the test and control articles was removed from the device and weighed using an analytical balance. The thrombus weights of the test and control articles were averaged.

<table>
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<tr>
<th>Components</th>
<th>QTY</th>
<th>SPORT PACKS</th>
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<td>14.5Fr symmetric tip catheter</td>
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<td>16Fr valved pull-apart safety sheath</td>
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<td>Bifurcated tunneler</td>
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<td>12Fr tissue dilator</td>
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<tr>
<td>14Fr tissue dilator</td>
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15 Hampshire Street 800.962.9888
Mansfield, MA 02048 508.261.8000 medtronic.com/covidien