



Beta-Cath™ 3.5F System

VBT Designed for the Cath Lab

Beta-Cath™ 3.5F System

- 6F guide catheter compatible
- Integrated markers for rapid sizing and positioning
- Beta radiation avoids non-target dosing
- Choose 30, 40 or 60 mm source for preferred margins
- Long-lived Strontium-90 for predictable dwell times

Vascular Brachytherapy (VBT) Designed for the Cath Lab

Best® Radioisotope

- Strontium/Yttrium-90 pure beta emitting sealed source
- Optimum energy transfer from beta radiation
- Long radioactive half-life allows short, predictable treatment times
- 12-month service cycle
- Proven dose prescriptions and calculated dwell times provided with every device

Best® System

- The leader in vascular brachytherapy
- 6F guide catheter compatibility
- Portable/designed for the cath lab
- Indicator of Source Train (IST) wire aids in Jacketed Radiation Source Train (JRST) selection and simulates a “dummy run” of the JRST to ensure catheter lumen patency
- Multiple fixed length JRSTs available for optimal lesion coverage (30 mm, 40 mm and 60 mm)

Best® Procedure

- Short dwell time – keeps you on schedule
- Short treatment time – approximately 3 to 4 minutes
- No facility modifications, e.g. shielding, are required for any Cath Lab to use the system
- Passive centered 3.5F delivery catheter allows perfusion around the delivery catheter
- Dose profile allows clinicians to remain with patient

Best® Service

- Best Vascular provides all device service and radioactive source disposal
- Comprehensive on-site VBT education and in-service programs
- Long-life user-exchangeable battery powers device sensors, indicators and interlocks

Safety Features

- Safety interlocks designed to ensure Jacketed Radiation Source Train containment
- Indicator of Source Train Wire allows rapid catheter positioning, injury sizing for train length selection and JRST lumen testing before irradiation
- Jacketed Source Train allows uniform unit-dosing with vessel conforming, and patented fast hydraulic movement
- All fluids contained in closed system
- Clinician whole body dose per treatment from VBT is less than 5% of the dose received from PTCA fluoroscopy

**Available in 30 mm,
40 mm & 60 mm
Source Train Lengths**

Jacketed Radiation Source Train (JRST)

- JRST series of sealed miniaturized beta sources in a coil “jacket” forms a train, designed to provide even dose distribution
- JRST allows quick and easy position verification
- JRST is designed to maintain flexibility to navigate tortuosity while keeping all sources together
- Multiple fixed length JRSTs available for optimal lesion coverage (30 mm, 40 mm and 60 mm)



Detail of seeds inside the jacket



Jacketed Radiation Source Train (JRST)

Exchangeable Battery

- An exchangeable battery powers the transfer device to allow for easy exchange of the product's power source

β -Rail™ 3.5F Delivery Catheter

- Smallest delivery catheter available
- Easily fits in a 6F guide catheter and allows access to distal anatomy
- Single catheter accommodates any source train length
- 1 cm distal rapid exchange type catheter

Transfer Device

- Portable and reusable
- Stores and delivers JRST
- Uniquely designed for the cath lab

Patented Hydraulic Delivery

- Provides rapid source train movement
- No source handling or loading required

Beta-Cath™ 3.5F System
Expanding the Capability



Collaboration of Efforts – The VBT Team

Vascular brachytherapy (VBT) is a proven treatment option that preserves the benefits of a skilled intervention. Radiation for the treatment of coronary in-stent restenosis combines the expertise of the Interventional Cardiologist with that of the Radiation Oncologist to extend the benefits of intervention. The Interventional Cardiologist restores patency to the stented vessel and positions a catheter for the delivery of radiation by the Radiation Oncologist. Using the Novoste™ Beta-Cath™ 3.5F System to complete an intervention with vascular brachytherapy has been proven to significantly reduce restenosis in previously failed bare metal stents with no added stenting.

Vascular brachytherapy: The Best® healthcare with proven options.

Best[®] vascular

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