

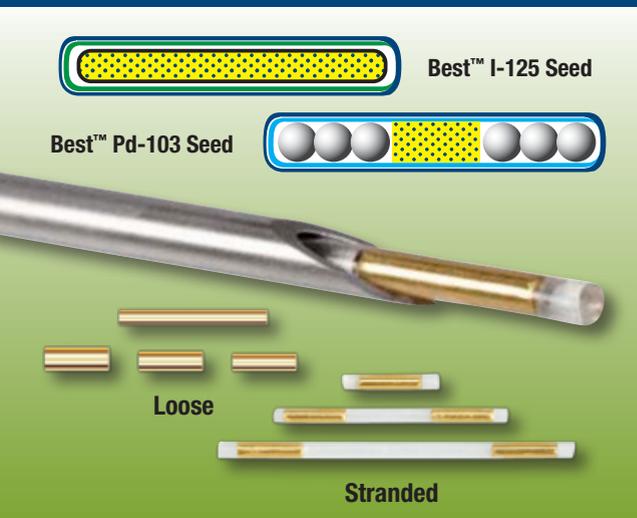
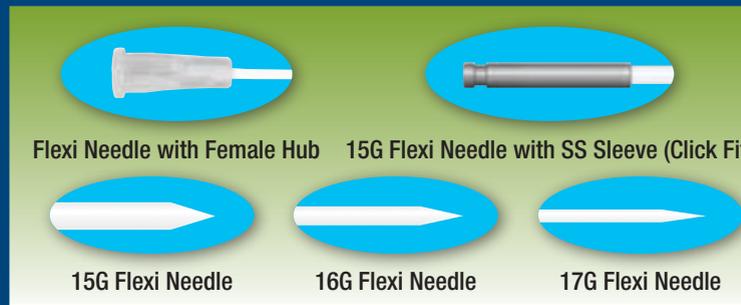
# Best™ *medical international*

MOSFET Systems, Thermoplastic Warming Oven, Brachytherapy Seeds, Markers, Applicators...and more!

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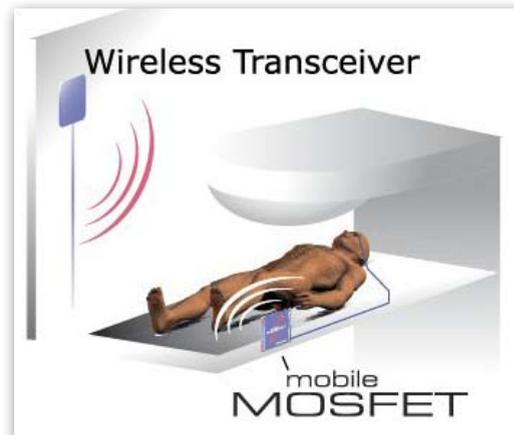
AFRICA | ASIA | EUROPE | LATIN AMERICA | MIDDLE EAST | NORTH AMERICA

# MOSFET Dosimetry Systems for Quality Assurance



## TN-RD-70-W mobileMOSFET System

- Advanced software allows for dose verification in comparison to target dose, and electronic dose reporting with data transfer to R&V systems
- Dose obtained in real-time
- Simplifies dosimetry and minimizes QA time
- Portability between multiple treatment rooms



## TN-RD-90 Portable Dosimeter System

- Supports two MOSFET dosimeters
- Stand-alone dosimetry system — no software or computer necessary
- Portable and compact with LCD display
- Optional data export via USB

- DOSE RATE INDEPENDENT
- REAL-TIME READOUT
- SMALL FOOTPRINT
- GOOD SPATIAL RESOLUTION



# MOSFET Dosimeters

MOSFET dosimeters are ideal for a variety of radiotherapy and radiology applications. They are dose rate independent, energy independent, isotropic, gantry speed independent, with a small footprint and near real-time readout.

- Isotropic ( $\pm 2\%$  for  $360^\circ$ )
- Active area of  $0.2 \times 0.2$  mm
- Pinpoint measurement for high gradient fields
- Same calibration factor for photons and electrons at MeV energies

## TN-502RD-H Standard MOSFET Dosimeter with Reinforcement



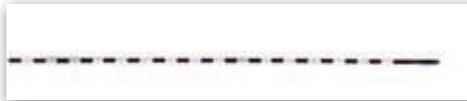
A dosimeter for in vivo patient dosimetry. Typical radiotherapy applications include central/scatter dose and TBI/central dose. Typical radiology applications include normal and high dose fluoroscopy.

## TN-502RD-HRO Standard MOSFET Dosimeter with Radiopaque Marker



Standard sensitivity with a tungsten marker located near the MOSFET for imaging. The dosimeter is also covered with a special plastic coating for added durability, especially during catheter insertions.

## TN-502RDM-H Standard microMOSFET Dosimeter



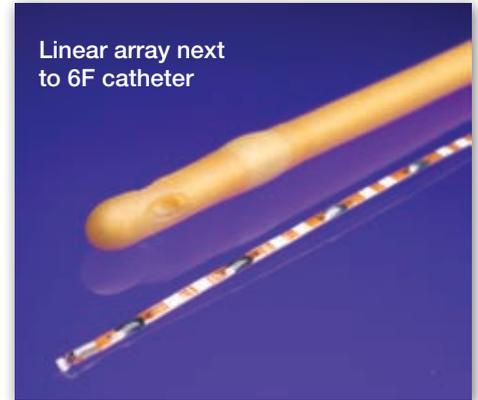
Only 1 mm wide. Small size allows it to fit down a 6F catheter.

## TN-252LA5 Standard Linear 5ive MOSFET Array



The array houses five isotropic, energy independent MOSFET dosimeters at 2 cm intervals on one flex/cable for urethral dose measurement. The array comes in three sensitivities to accommodate the varying dose rates of HDR and LDR brachytherapy.

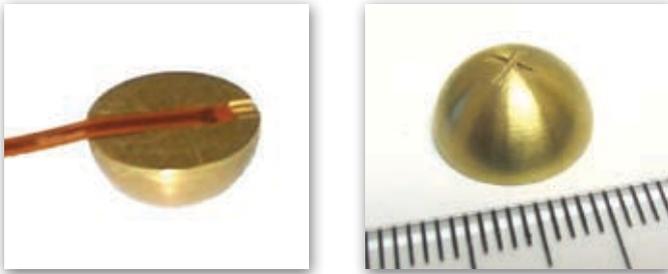
All dosimeter models are available in high sensitivity (TN-1002RD-H). Custom length (10ft) also available.



# MOSFET Accessories

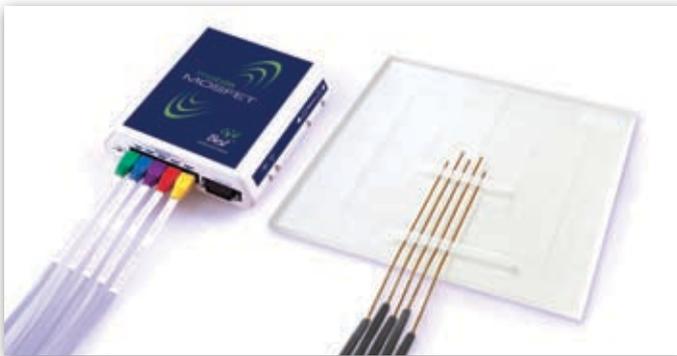
## Hemispherical Brass Build-up Caps

Custom designed build-up caps for depth dose measurements over a wide range of energies including photons and high energy electrons. Use one calibration factor for all the external beam applications.



## Calibration Jig

Designed for quick and easy MOSFET calibration with a simple set-up configuration. The jig reference lines can be easily aligned with the positioning lasers and linear accelerator light fields for 10 x 10 cm, 20 x 20 cm and 30 x 30 cm fields. The use of the jig promotes easy and consistent positioning at the beam isocenter and, thereby, reproducible calibrations.



## Tissue Equivalent Build-up Caps

Available in various sizes: 1 cm, 1.5 cm and 2 cm for various beam energies including lower energy electrons. Made from Plastic Water High Energy material.



## TN-RD-52 XWU-IMRT Phantom

Ideal for obtaining quantitative dose measurements for super-imposed film/ion chamber and MOSFET dosimetry.

**D<sub>x</sub>posure monitor**

D<sub>x</sub>posure software has been designed specifically for fluoroscopy, CT and Angiography. Prevents over-exposure and minimizes liability.

# Warming Oven for Thermoplastics

## Huestis CVO-2000 Series Warming Oven

- Easy-sliding drawer opens fully to provide maximum access to the material
- Multiple masks can be softened at the same time, cushions may be reheated and reshaped easily
- No water — reduces the potential for cross contamination
- Can be used in CT rooms without producing humidity that could otherwise affect the electronics of the imaging system
- Non-stick surface and Insulated case
- Unique patented baffling system ensures even heating of thermoplastics
- Digital temperature setting in Celsius or Fahrenheit



## Radioactive Seeds & Gold Markers

**HEALTH  
CANADA  
APPROVED!**

### Best® I-125 and Pd-103 Seeds

- Available loose or loaded in cartridges, needles or strands, and are available sterile or non-sterile.
- Best visualization in ultrasound, fluoro, X-ray, CT and MRI, facilitating real-time dosimetry



Best® Iodine-125 Seed



Best® Palladium-103 Seed



Loose



Stranded

### Best® Gold Marker Kits

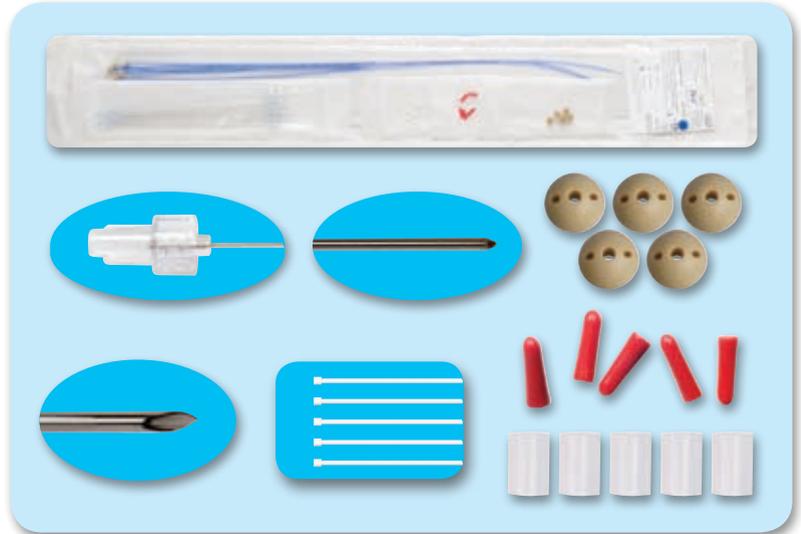
- Available in a variety of diameters and lengths to meet your needs for soft tissue localization such as prostate, liver, pancreas, lung and breast
- All standard or customized gold marker configurations, made to your exact specifications, loose/stranded/pre-loaded needle kits, sterile or non-sterile



# Brachytherapy Accessories

## Best™ Brachytherapy Kits

Includes afterloading single leader catheters with filaments and buttons (clear or radiopaque), implant needles, obturators, friction cuffs and red caps. Available sterile or non-sterile.



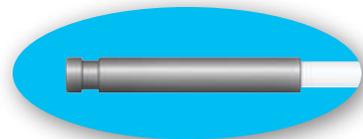
Flexi Needle Tray

## Best™ Flexi Needles

Flexi Needles are sharp or blunt, with closed-ended needle guides, and have a nominal 0.3 cm long tip. They are made of biologically compatible material. Custom lengths are available upon request.



Flexi Needle with Female Hub



15G Flexi Needle with SS Sleeve (Click Fit)



15G Flexi Needle



16G Flexi Needle



17G Flexi Needle

## Best™ Double-Balloon Breast Brachytherapy Applicator

- Improved dose distribution and conformality
- Less dose to critical organs such as skin, lung, heart, chest wall, etc.
- Convenient to use
- US FDA 510(k) registered

