THERAGENICS CORPORATION®

TheraSeed® Pd-103

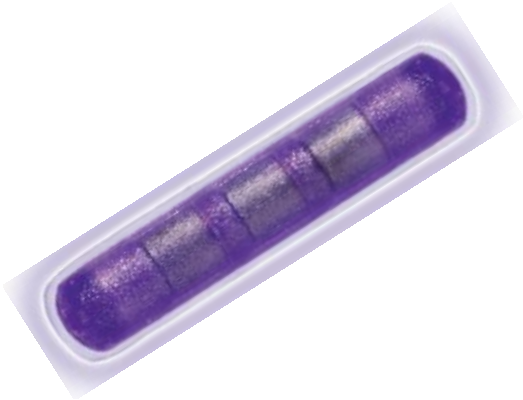
AgX100® I-125

Brachytherapy solutions to better serve physicians and their patients

AnchorSeed® TECHNOLOGY

Proprietary, synthetic bio-absorbable polymer seed encapsulation design

AnchorSeed®



- **Designed to:**
  - Improve loose seed fixity
  - Reduce misalignment
  - Minimize migration and loose seed displacement

- **Unique polymer seed encapsulation**
  - Bio-absorbtion occurs in 182 – 238 days
  - Nominal diameter is approximately 0.97mm – a 21% increase compared to an 0.8 mm uncoated seed[1]
    - ❖ Four rings; one covering each end cap & two smaller medial rings
    - ❖ Rings are connected by two longitudinal ribs that run opposite each other along the length of the lateral surface

- **Improved loose seed fixity**
  - Greater surface area of each individual seed[1]
  - Capable of anchoring individual seeds into the correct position[1]
  - Increased confidence in seed placement and intraprostatic tissue fixity[1]

- **Reduced misalignment**
  - Designed to reduce seed drag by creating friction along the seed/needle track interface
  - Physical attributes reduce movement along the needle track[1]
  - Minimizing seed drag may reduce dose to the penile bulb and mazimize radiation coverage to the apex of the gland[1]

- **Minimized migration and loose seed displacement**
  - Significant reduction in overall lung and pelvic seed migration from 25% (uncoated) to 4% (coated), ($p<0.0001$)[2]
  - Measureable reduction in intraprostatic dose variability observed with the coated seeds[2]
  - Significant improvement in implant quality at Day 30 was demonstrated using Radiation Therapy Oncology Group (RTOG) evaluation criteria range[2]

- **In a randomized trial reported by Bowes, et al[3]**
  - AnchorSeeds were found to have a significant anchoring effect that was effective in reducing the number of apical seeds lost because of venous migration

AnchorSeed® Technology Packaging Options

- **TheraSeed®** Pd 103 or **AgX100®** I-125 seeds
- Sterile, shielded
  - **AnchorSeed**: 15 seed disposable cartridge with integrated seed counter
  - **AnchorLoad®**: Custom loaded implant needle kits per a physician's plan

TheraSeed and AgX100 are the foundation for all LDR brachytherapy product presentations. A manufacturers Certificate of Calibration accompanies each order; an additional independent seed assay of 10% is available upon request.

For specific product information and Instructions for Use, please consult your Theragenics Brachytherapy Specialist or Customer Service.

Customer Service
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References
1.Badwan H, Shanahan A, Adams M, et al. AnchorSeed for the reduction of source movement in prostate brachytherapy with the Mick™ Applicator implant technique, Brachytherapy 9 (2010) 23-26
2.Sarkar A, Donavanik V, Zhang I, et al. Prostate implant dosimetric outcomes and migration patterns between bio-absorbable coated and uncoated brachytherapy seeds, Brachytherapy 12 (2013) 356-361
3.Bowes D, Gazta~naga M, Araujo C, et al. A randomized trial comparing seed displacement of coated seeds to regular loose seeds at 30 days postimplant, Brachytherapy 12 (2013) 362-367

