



#### Device Description

The AVID™ (Advanced Verification of Integrated Dose) enables verification of radiation treatment plans. The system is made of tissue-equivalent materials and allows a comprehensive range of IMRT measurements (Intensity Modulated Radiation Therapy).

#### Goals & Challenges

- Finding and working with tissue equivalent materials
- Resolving conflicting requirements for the mechanical design

#### StarFish Solution

- Development from initial concepts to manufacturing transfer
- Modular film cartridge for easy loading and measurements
- Flexible film configurations for sampling and high-resolution volumetric measurements with up to 21 film planes
- Automated fiducial marking system that uniquely localizes each film within the 3D volume using ambient light
- Ionization chamber insert for precise point-dose measurements

#### Summary Results

- Design completed by StarFish Medical for MDX Medical
- One patent application

Build Success with the Right Device™

