

## SynAtomy Aortic Valve

130630



Our SynAtomy aortic valve is designed for use in heart valve replacement training exercises. The valve design is based on actual CT images to assure anatomical accuracy. Product is supplied as a single unit that may be reused many times.

This model employs simplified versions of our patented SynTissue brand synthetic human tissues. Designed with extensive input from our medical device, hospital and military clients, these materials exhibit realistic puncture resistance, suture holding, and electrocautery, laser scalpel and plasma knife performance.

SynTissue brand synthetic human tissue components are designed on the basis of physical tests performed on actual living tissue, and each synthetic tissue is validated (tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, dielectric constant, etc.) under the same physical conditions as the live tissue it is designed to simulate. The resulting synthetic tissue responds to stimulus much like the real living tissue.

### Relevant Skills

Manual and robotic-assisted anastomosis and heart valve replacement.

### Equipment Compatibility

Laser scalpels, electrocautery and RF ablation devices, harmonic blades, monopolar and bipolar devices, plasma knives, ultrasound equipment and all known imaging equipment.

### Available Options

If you require custom tissues, dimensions, or modified mechanical properties please call and ask to speak to one of our technical sales representatives.

### Dimensions

22mm x 15mm (OD x L)

### Packaging

Product is shipped vacuum packed. Shelf life is guaranteed to be at least five years.

### Extraordinary Features

SynTissue synthetic human tissues made from salt, water and fiber—which feature the world's most realistic tactility. SynTissue synthetic human tissues match the acoustical characteristic of real human tissue.

All of our products are made in the USA.