

SynTissue Arterial Tissue

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SynTissue arterial tissue employs our standard arterial intima, media and adventitia construction in a flat format.

Our patented SynTissue brand synthetic human tissue components are designed primarily for medical device design verification and validation testing. Relevant tissue properties are designed on the basis of physical tests performed on actual living tissue. 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 result is a synthetic tissue analog which responds to stimulus much like the real thing.

We employ these tissues in our body models, in tissue plates, and in other custom applications. Our clients often incorporate one or more of these components into models of their own design.

Standard product is a 20cm x 20cm plate with a nominal thickness of 1.0mm.

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.