

SynAtomy Muscular Tissue Plate

141830



Our SynTissue muscular tissue plate consists of adult skin, subcutaneous fat and skeletal muscle. User-selectable features include skin tone, skin toughness, muscle thickness and construction type (loose, bonded or sutured).

Plates start out 25cm x 25cm square and are trimmed post-production to eliminate edge defects. The standard thicknesses for skin, fat and muscle are 1.0mm, 5.0mm and 5.0mm, respectively.

Standard adult skin exhibits a mean force of approximately 2N in our penetration test, this selection is an appropriate mimic for most skin on the human body (face, forearm, groin, etc.) Skins exhibiting greater penetration values are appropriate for thicker or more callused areas (abdomen, lower back, etc.) of the body. Penetration values up to 20N are available. Typical human pain threshold occurs in the 2-4N range.

Basic model construction employs our patented SynTissue brand synthetic human tissues. These materials are experimentally designed on the basis of physical tests performed on actual living tissue. Each 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 real living tissue.

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.