



Our SynTissue brand synthetic human arterial vasculature mimics the entire arterial system including the aortic root, coronary arteries, common carotid arteries, brachiocephalic arteries, subclavian arteries, axillary arteries, brachial arteries, thoracic aorta, abdominal aorta, common iliac arteries, femoral arteries, popliteal arteries and tibial arteries. These models may be ordered with integral vascular couplings to allow mating with additional arterial branch segments. This model is available in an unlimited number of configurations (branch locations, angles and diameters).

Please note that small, intricate arterial branches are very fragile and will come with a protective sheath of muscular tissue unless the client requests otherwise.

The arterial vasculature employs an elastic arterial structure. Typically, the medial layer occupies a larger portion of the cross sectional area in muscular (distributing) arteries than in elastic (conducting) arteries. Conversely, the elastic medial layer tends to exhibit a lower circumferential modulus than the muscular medial layer.

Basic model construction employs our patented SynTissue brand synthetic human arterial intima, media, and adventitia layers. These materials are designed on the basis of physical tests performed on actual living tissue, and each synthetic tissue is validated (tensile modulus, penetration resistance, coefficient of dynamic friction, etc.) under the same physical conditions as the live tissue it is designed to simulate. The resulting synthetic artery responds to puncture, abrasion, and balloon dilation just like a real living artery.

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.