

Surgical Suture Kit

The SynTissue surgical suture kit provides lifelike medical training materials for students, and includes simplified versions of our patented SynTissue™ synthetic human tissues. Developed with input from medical device manufacturers, hospitals, and military clients, these materials offer realistic puncture resistance, suture holding, and performance with electrocautery, laser scalpel, and plasma knife tools. SynTissue components are based on physical tests of actual living tissue, with each synthetic tissue validated (e.g., tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, dielectric constant) under the same conditions as the live tissue they simulate, responding to stimuli like real tissue.



Relevant Skills



Placement and removal of sutures and staples, and anastomosis.

Included Components



Pack includes a 20cm X 20cm Abdominal Tissue Plate, knot tying pad, 10cm X 10cm 2N Basic Tissue Plate, 10cm X 10cm Muscular Tissue Plate, 12" Double Layer Bowel, 3mm ID X 20cm L Vein, and 6mm ID X 20cm L Artery. Option to add Instrument & Consumable Kit, which includes suture scissors, a needle driver, forceps X2, scalpel handle, #10 blades X10, assorted sutures X10, skin stapler, and staple remover.



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.

Packaging



Product is shipped vacuum packed.

Equipment Compatibility

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



Basic Suture Kit

The SynTissue basic suture kit provides lifelike medical training materials for students, and includes simplified versions of our patented SynTissue™ synthetic human tissues. Developed with input from medical device manufacturers, hospitals, and military clients, these materials offer realistic puncture resistance, suture holding, and performance with electrocautery, laser scalpel, and plasma knife tools. SynTissue components are based on physical tests of actual living tissue, with each synthetic tissue validated (e.g., tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, dielectric constant) under the same conditions as the live tissue they simulate, responding to stimuli like real tissue.



Relevant Skills

Placement and removal of sutures and staples.



Included Components

Pack includes a 20cm X 20cm Abdominal Tissue Plate, knot tying pad, and 10cm X 10cm 2N Basic Tissue Plate. Option to add Instrument & Consumable Kit which includes suture scissors, a needle driver, forceps, scalpel handle, #10 blades X10, and assorted sutures X10.



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.



Packaging

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Equipment Compatibility

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