2013

SynDaver™ Labs

Synthetic Human Tissues & Body Parts

Products Catalog

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SynAtomy™ Basic

T-VDP-E-0005

Vessel Pad

Our SynAtomy™ Basic Vessel Pad is a lifelike medical training platform ideal for students and professionals who seek to learn new techniques and improve hand-eye coordination associated with phlebotomy, intramuscular injection, intravenous injection, and suturing. Repeated use will strengthen confidence and enhance the ability of users who clinically perform or assist in these procedures.

Standard construction includes three blood vessels with an inner diameter of 4 mm embedded in a layer of adult skin, fat and muscle 6 mm thick. Various sizes and thicknesses are customizable upon order. Pathologies such as hematomas, lesions, tumors, fibrous cyst, or abscess may be added to these pads. All layers including blood vessels may be punctured multiple times and are replaceable for a low cost.

Relevant Skills

Phlebotomy, intramusclar injection, intravenous injections, the application and removal of sutures and staples, catheterization, cannulation, and the application of adhesives and antiseptics.

Included Components

Adult skin, subcutaneous fat, muscle, three blood vessels.

Available Options

Lesser or greater thickness of fat, muscle, or skin, smaller or larger diameter of blood vessels, different plate size, black skin color, and pathologies.

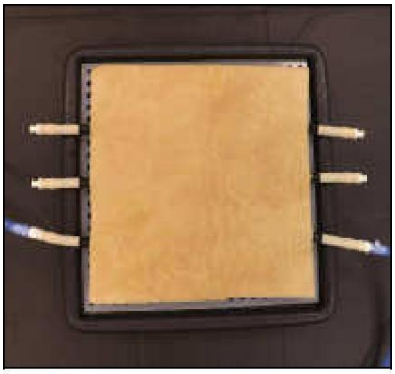
Equipment Compatibility

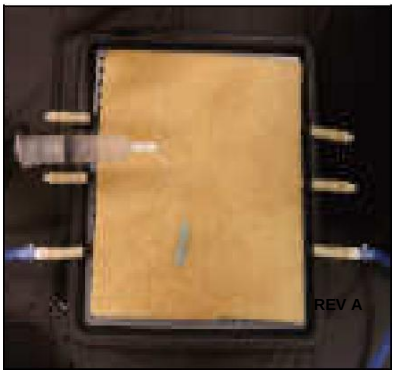
Needles, syringes, sutures, staples, autosuturing and autostapling devices, laser scalpels, scalpels, vascular cannulas, catheters, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.





SynAtomy™ Basic

T-PAD-E-0005

Surgical Pad

Our SynAtomy™ Basic Surgical Pad is designed for practicing subcutaneous injections, subcuticular and subcutaneous suturing, and the placement of staples and surgical adhesives. Students will be able to learn and master surgical techniques on biohazard-free material that feels, behaves, and sutures like live human tissue.

Our synthetic human tissues provide a realistic and cost-effective alternative to biological tissues for development and training in surgical skills. They incorporate a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis, and hypodermis) that are grown independently from one another.

Relevant Skills

Injection, implantation, cutdown, incisions, suturing (subcuticular and subcutaneous), stapling, and application of adhesives.

Included Components

Adult human skin (1.2mm thick / 2N toughness) with epidermis, dermis, and hypodermis layers, and subcutaneous fat (5mm thickness).

Available Options

Custom sizes are available upon order.

Equipment Compatibility

Laser scalpels, electrocautery and RF ablation devices, harmonic blades, monopolar and bipolar devices, gamma knives, ultrasound equipment, and other known imaging equipment (MRI, CT, X-ray, etc).

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

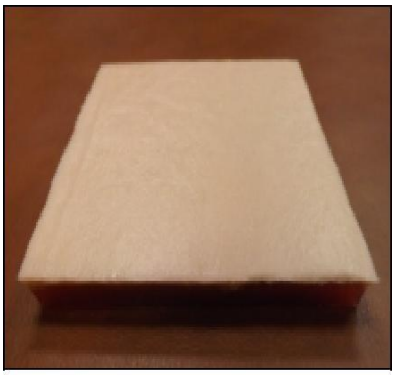
SynAtomy™ Muscular

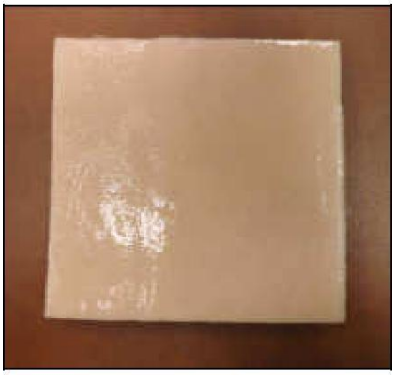
T-PAD-E-0015

Surgical Pad

Our SynAtomy™ Muscular Surgical Pad is designed for practicing subcutaneous and intramuscular injections, subcuticular, subcutaneous, muscular, and deep fascia suturing, surgical cutdowns, and the placement of staples and surgical adhesives.

Our synthetic human tissues provide a realistic and cost-effective alternative to biological tissues for development and training in surgical skills. We design our realistic surgical pads to feel, behave, and suture like live tissue. They incorporate a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis, and hypodermis) that are grown independently from one another.





Relevant Skills
Injection, implantation, cutdown, incisions, suturing (muscular, subcuticular, and subcutaneous), stapling, and application of adhesives.

Included Components
Adult human skin (1.2mm thick / 2N toughness) with epidermis, dermis, and hypodermis layers, a layer of skeletal muscle, and subcutaneous fat (5mm thickness).

Available Options
Custom sizes are available upon order.

Equipment Compatibility
Surgical adhesives, laser scalpels, electrocautery devices, gamma knives, ultrasonic probes, fluoroscopes, and other (MRI, CT, x-ray, etc) imaging equipment.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

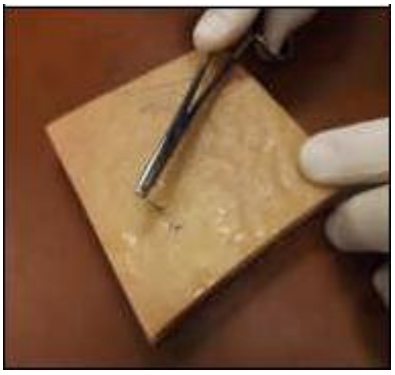
Competitive Products
None available.

SynAtomy™ Abdominal Surgical Pad

T-PAD-E-0015

Our SynAtomy™ Abdominal Surgical Pad is designed for practicing subcutaneous, intramuscular, and abdominal injections, subcuticular, subcutaneous, muscular, and deep fascia suturing, surgical cutdowns, peritoneal stoma repair, and the placement of staples and surgical adhesives.

Our synthetic human tissues provide a realistic and cost-effective alternative to biological tissues for development and training in surgical skills. We design our realistic surgical pads to feel, behave, and suture like live tissue. They incorporate a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis, and hypodermis) that are grown independently from one another.



Relevant Skills

Injection, implantation, cutdown, incisions, suturing (subcuticular, subcutaneous, and muscular), stoma repair, wound drain and stomach tube placement, stapling, and application of adhesives.

Included Components

Adult human skin (2.0mm thick / 2N toughness) with epidermis, dermis, and hypodermis layers, subcutaneous fat, bulk fat, skeletal muscle, rectus fascia, and scarpas fascia. Subcutaneous fat, bulk fat, skeletal muscle, and fascia layers are approximately 5mm, 15mm, 5mm, and 1mm thick respectively.

Available Options

Custom sizes are available upon order.

Equipment Compatibility

Surgical adhesives, laser scalpels, electrocautery devices, gamma knives, ultrasonic probes, fluoroscopes, and other (MRI, CT, x-ray, etc) imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

Competitive Products

None available.

SynAtomy™ Surgical Training Kit

S-KIT-E-0005

Our SynAtomy™ Surgical Training Kit is ideal for students and professionals who seek to develop techniques and improve psychomotor skills associated with cutting, anastomosis, and suturing procedures. Continual use will enhance the ability and confidence of individuals who use these skills.

Standard kits comprise of a tray including our basic surgical pads and appropriate medical equipment. Pad type (muscular abdominal, vessel), sizes, and thicknesses are customizable upon order. Pathologies such as hematomas, lesions, tumors, fibrous cyst, or abscess may be added to these pads. All layers may be punctured or cut multiple times and are replaceable for a low cost.

Relevant Skills

Phlebotomy, intramusclar injection, intravenous injections, the application and removal of sutures and staples, catheterization, cannulation, and the application of adhesives and antiseptics.

Included Components

Basic surgical pad, 6-Inch needle driver, soft tissue scissors, tweezers, vein pic, scalpel with blades, and two suture packs.

Available Options

Custom dimensions, pathologies, or skin color.

Equipment Compatibility

Needles, syringes, sutures, staples, autosuturing and autostapling devices, laser scalpels, and scalpels.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Perianal Tear Pad T-PAD-E-0035

Our SynAtomy™ Perianal Tear pad is designed for practicing plastic surgery, speculum use, foley catheter use, subcutaneous and intramuscular injections, epidermal, subcuticular, deep muscle, perianal, and vaginal canal suturing, labia repair, hymen restoration, and the application of staples and surgical adhesives.

This product employs SynTissue™ brand synthetic human skin, subcutaneous fat, bulk fat, skeletal muscle, and fibrous fascia. The skin layer is realistically textured on the surface and smooth on the subcutaneous side. It incorporates a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis, and hypodermis) that are grown independently from one another. This tissue was designed with extensive input from our medical device, hospital, and gynecology clients to exhibit realistic puncture resistance, suture holding, and electrocautery and laser scalpel performance.

Relevant Skills

Plastic surgery including laser resurfacing, speculum use, tampon insertion, injection, implantation, cutdown, incisions, suturing, stapling, and application of adhesives.

Included Components

Adult human skin (1.0mm thick / 2N toughness) with epidermis, dermis, and hypodermis layers, subcutaneous fat, labia majora, labia minora, skeletal muscle, vaginal vault with rugae and mucosa, rectal vault with mucosa, and urethra.

Available Options

Pads are square and 25cm on a side and include vaginal, rectal, and urethral orifice. Vaginal vault, rectum, and urethra are optional (select below). If you require custom tissues, dimensions, or modified mechanical properties please call and ask to speak to one of our technical sales representatives.

Equipment Compatibility

Laser scalpels, electrocautery blades, gamma knives, ultrasound equipment, and all known imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Complex Wound Pad T-STU-P-0015

Our SynAtomy™ Complex Wound Pad provides a lifelike medical training platform for students who seek to learn techniques associated with healing lacerations and burns. Repeated practice will strengthen confidence and enhance the ability of users who clinically perform or assist in wound treatment.

With this pack, students will be able to practice wound treatment on realistic material that looks, feels, and behaves like real human tissue. Students can also develop better hand-eye coordination and acquire better confidence to clinically perform these procedures.

Relevant Skills

Laceration repair and 3rd degree burn treatment.

Included Components

Lacerations (surface and muscular), 3rd degree burns

Available Options

Custom dimensions and custom skin color.

Equipment Compatibility

Sutures, staples, autosuturing and autostapling devices, syringes, needles, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

Competitive Products

None available.

SynAtomy™ Dermatology Pad T-STU-P-0010

Our SynAtomy™ Dermatology Pad provides a lifelike medical training platform for students who seek to learn techniques associated with dermatological care. Repeated practice will strengthen confidence and enhance the ability of users who clinically perform or assist in wound treatment.

With this pack, students will be able to practice skin treatment on realistic material that looks, feels, and behaves like real human tissue. Students can also develop better hand-eye coordination and acquire better confidence to clinically perform these procedures.

Relevant Skills
Abscess and acne treatment, wart, tick , and skin tag removal.

Included Components
Acne (blackheads), abscesses, skin, ticks, cutaneous skin tags, and warts.

Available Options
Custom dimensions and custom skin color.

Equipment Compatibility
Sutures, staples, autosuturing and autostapling devices, scalpels, syringes, needles, and antiseptics.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

Competitive Products
None available.

SynAtomy™ Student Tissue Pack T-STU-P-0005

Our SynAtomy™ Student Tissue Pack provides lifelike medical training material for students who seek to learn new techniques and improve hand-eye coordination associated with phlebotomy, knot tying, intramuscular and intravenous injection, suturing, and anastomosis. Repeated practice will strengthen confidence and enhance the ability of users who clinically perform or assist in these procedures.

With this pack, students can develop basic surgical abilities by using realistic material that looks, feels, and behaves like real human tissue. Students can also become familiar with anatomic placement and recognition, and acquire better confidence to clinically perform these procedures.

Relevant Skills
Phlebotomy, intramusclar injection, intravenous injections, the application and removal of sutures and staples, catheterization, cannulation, anastomosis, and the application of adhesives and antiseptics.

Included Components
Knot tying pad, suture pad, double layer bowel, femoral artery, and femoral vein.

Available Options
Custom dimensions and custom skin color.

Equipment Compatibility
Needles, syringes, sutures, staples, autosuturing and autostapling devices, laser scalpels, scalpels, vascular cannulas, catheters, and antiseptics.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Abscess Pad T-PAD-E-0020

Our SynAtomy™ Abscess pad is a lifelike medical training platform ideal for students and professionals who seek to learn new techniques and improve hand-eye coordination associated with abscess removal and treatment. Repeated use will strengthen the confidence and enhance the ability of users who clinically perform or assist in abscess treatment.

Our synthetic human tissues provide a realistic and cost-effective alternative to biological tissues for development and training in surgical skills. These tissues are designed with extensive input from our medical device, hospital, and military clients to exhibit realistic puncture resistance, suture holding, and electrocautery and laser scalpel performance.

Relevant Skills
Abscess incision and drainage.

Included Components
Adult skin, subcutaneous fat, and abscesses.

Available Options
Lesser or greater thickness of fat, muscle, or skin, smaller or larger diameter of abscesses, different plate size, and black skin color.

Equipment Compatibility
Needles, syringes, scalpels, catheters, and antiseptics.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

Competitive Products
None listed.

SynAtomy™ Deluxe

K-ANA-E-0010

Anastomosis Kit

Our SynAtomy™ Deluxe Anastomosis Kit includes everything required for basic vascular anastomosis training, including stainless steel instruments, synthetic tissue surgical pads, replacement blades, reference materials, and synthetic veins and arteries. This kit is ideal for students seeking to develop skills associated with suturing, surgical anastomosis, and cannulation.

Our synthetic human tissues provide a realistic and cost-effective alternative to biological tissues for development and training in surgical skills. These tissues are designed with extensive input from our medical device, hospital, and military clients to exhibit realistic puncture resistance, suture holding, and electrocautery and laser scalpel performance.

Relevant Skills

Vascular anastomosis, arterial bypass, laceration repair, suturing, cannulation, and application of adhesives.

Included Components

Staple gun, 6-Inch needle driver, soft tissue scissors, tweezers, vein pic, scalpel with blades, replacement blades, basic surgical pad, single layer bowel segment, double layer bowel segment, thoracic aorta, saphenous vein, "Suture and Surgical Hemostasis, A Pocket Guide", by Rebecca Pieknick.

Available Options

Custom sizes, pathologies, and ethnicities are available upon order.

Equipment Compatibility

Surgical autosuturing and autostapling devices, laser scalpels, electrocautery devices, harmonic blades, gamma knives, cannulas, catheters, syringes, needles, ultrasound equipment, and all known imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

Competitive Products

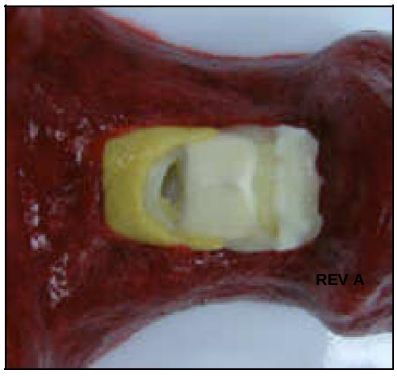
None available.

SynAtomy™ Basic Cricothyrotomy Trainer

Y-CRI-A-0005

Our SynAtomy™ Surgical Cricothyrotomy Trainer is the world's most realistic medical training model designed for learning the skills associated with surgical and needle cricothyrotomy—allowing students to practice and repeat technique on a high quality, live-tissue replacement platform in a safe and biohazard-free environment.

Repetitive use will strengthen the ability and confidence of all team members who perform or assist in implementing surgical airways. Typical students include emergency medical technicians, flight nurses, combat medics, ICU nurses, and nurse practitioners. Anatomical landmarks include chin, clavicle, hyoid bone, thyroid cartilage, cricoid cartilage, and cricoid membrane.



Relevant Skills

Surgical and needle cricothyrotomy, palpation, cannulation, application and removal of sutures and staples, surgical cutdown, and application of adhesives and bandages.

Included Components

Plastic base, muscular form, trachea with hyoid and cricoid, skin overlay, and 3 replacement tissue sets (skin and cric membrane).

Available Options

African skin, replacement tissue sets (skin and cric membrane) sold in packs of 10, 30, 50, and 100, and storage case.

Equipment Compatibility

Surgical airway devices, autosuturing and autostapling devices, laser scalpels, electrocautery devices, bipolar and monopolar devices, harmonic blades, and all known imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Central Line Trainer

Y-CLT-A-0005

Our SynAtomy™ Central LineTrainer is a realistic medical training platform designed for students to learn the techniques associated with central venous catheterization. Anatomic features include the clavicle, carotid and subclavian arteries, and the common, internal, and external jugular vein.

Continuous practice with this trainer will allow students to improve their technique and strengthen their confidence in inserting central venous catheters. Medical professionals who may benefit from this product include nurses, paramedics, cardiovascular technologst, physicians, EMTs, nurse practitioners, and physician's assistants.

Relevant Skills

Central line placement, ultrasound guidance, cutdown, cannulation, catheterization, incisions, suturing, stapling, and application of adhesives.

Included Components

Adult human skin, subcutaneous fat, skeletal muscle, and venous and arterial intima, media, and adventitia. Vein includes the jugular and subclavian branch. Artery includes carotid and subclavian branch.

Available Options

Heart Pump Platform, additional replacement tissues (skin, veins, and arteries), diseased vein and artery branches, additional model sizes, and ethnicities.

Equipment Compatibility

Laser scalpels, electrocautery devices, gamma knives, ultrasonic probes, syringes, needles, catheters, antiseptics, and all known imaging equipment (ultrasound, MRI, CT, x-ray, etc).

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Simple Chest Trainer X-CHS-A-0005

Our SynAtomy™ Simple Chest Trainer is a highly lifelike surgical training platform designed to teach users how to peripherally insert central line catheters, insert chest tubes, and drain fluid. Repeated practice will allow students to gain proficiency in techniques associated with tube insertion, catheter insertion, ultrasound guidance, palpation, aspiration, and fluid drainage.

Our trainer features surgical access lateral to the pectoralis major, with realistic tactility, and allows users to practice in a biohazard-free setting. Typical users who may benefit from this product include interns, residents, emergency medical technicians, flight medics, nurse practitioners, physicians, physician's assistants, and ICU nurses.

Relevant Skills

Chest tube insertion, PICC placement, ultrasound guidaince, palpation, needle insertion, removal of air or fluid from the intrathoracic space, and catheterization.

Included Components

Upper torso with right arm, ribs, and pleural cavity.

Available Options

Black skin color, placement stand, storage case.

Equipment Compatibility

Chest tubes, cannulas, catheters, needles, antiseptics, imaging equipment (ultrasound, MRI, CT, x-ray, etc.), trocars, guidewires, scalpels, syringes, needle drivers, scissors, sutures, forceps, clamps, and pleural drainage systems.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Preemie Airway Mannequin

Y-AIR-N-0005

Our SynAtomy™ Premee Airway Mannequin is a realistic medical simulator designed for teaching the skills associated with oral intubation on newborns under 30 weeks gestation. The soft neck with cricocartilage allows users to perform Sellick's maneuver to give a better view of the larynx and/or reduce gastric reflux.

With this trainer, students will be able to practice and repeat technique on a high quality, live-tissue replacement platform in a safe and biohazard-free environment—enhancing their abilities and confidence.

Relevant Skills

Intubation and airway management exercises.

Included Components

Premature newborn upper torso, the nose, mouth, esophagus, hard and soft palate, tongue, trachea, epiglottis, and larynx.

Available Options

Customization on any feature upon order is available, and the addition of a storage case.

Equipment Compatibility

Endotracheal tubes, surgical airway devices, scalpels, autosuturing and autostapling devices, laser scalpels, ultrasound equipment and all known imaging equipment.

Extraordinary Features

All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling.

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Pediatric Airway Mannequin

Y-AIR-P-0005

Our SynAtomy™ Pediatric Airway Mannequin is a realistic medical simulator ideal for teaching the techniques associated with tracheal intubation on children. With this trainer, students will be able to learn and master surgical techniques on biohazard-free material that looks, feels, and behaves like live human tissue.

This model includes a realistic oral cavity with a hard and soft palate, tongue, uvula, and an epiglottis and vocal cords—providing naturalness to training that allows students to effectively develop surgical skills. The soft neck with cricocartilage allows users to perform Sellick's maneuver to give a better view of the larynx and/or reduce gastric reflux.

Relevant Skills

Intubation and airway management exercises.

Included Components

Pediatric upper torso, the nose, mouth, esophagus, hard and soft palate, tongue, trachea, epiglottis, and larynx.

Available Options

Customization on any feature upon order is available, and the addition of a storage case.

Equipment Compatibility

Endotracheal tubes, surgical airway devices, scalpels, autosuturing and autostapling devices, laser scalpels, and all known imaging equipment (ultrasound, MRI, x-ray, CT, etc.).

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Adult Airway Mannequin

Y-AIR-A-0005

Our SynAtomy™ Adult Airway Mannequin is a realistic medical training platform ideal for teaching the techniques associated with tracheal intubation. With this trainer, students will be able to learn and master surgical techniques on biohazard-free material that looks, feels, and behaves like live human tissue.

This model includes a realistic oral cavity with a hard and soft palate, tongue, uvula, and an epiglottis and vocal cords. The soft neck with cricocartilage allows users to perform Sellick's maneuver to give a better view of the larynx and/or reduce gastric reflux.

Relevant Skills
Intubation and airway management exercises.

Included Components
Adult upper torso with nose, mouth, esophagus, hard and soft palate, tongue, trachea, epiglottis, and larynx.

Available Options
Black skin color, carrying case.

Equipment Compatibility
Imaging equipment (Ultrasound, MRI, CT, x-ray, etc.), trachael tubes, scalpels, tenaculums, aneursym needles, artery forceps, grooved directors, hemostatic forceps, dissecting forceps, scissors, tenotomes, trachael dilators, ligatures, autosuturing and autostapling devices, and catheters.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

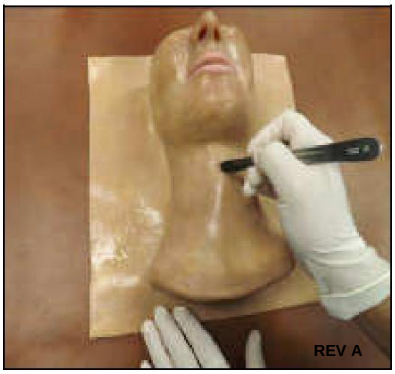
All of our products are made in the USA.

SynAtomy™ Cricothyrotomy & NG Trainer

Y-CRI-A-0010

Our SynAtomy™ Surgical Cricothyrotomy and NG Trainer is the one of the world's most realistic surgical training platforms used for teaching skills associated with surgical and needle cricothyrotomy and nasogastric intubation. This model allows students to practice and repeat technique on a high quality, live-tissue replacement platform in a safe and biohazard-free environment.

Repetitive use will strengthen the ability and confidence of all team members who perform or assist in implementing surgical airways. Typical students who may benefit from this trainer include emergency medical technicians, flight nurses, combat medics, ICU nurses, and nurse practitioners. Anatomical landmarks include chin, clavicle, hyoid bone, thyroid cartilage, cricoid cartilage, and cricoid membrane.



Relevant Skills

Surgical and needle cricothyrotomy, palpation, cannulation, application and removal of sutures and staples, surgical cutdown, and application of adhesives and bandages.

Included Components

Plastic base, muscular form, hyoid and cricoids insert, skin overlay, nasal passage, and 20 replacement tissue sets (skin and cric membrane).

Available Options

Black skin, replacement tissue sets (skin and cric membrane) sold in packs of 10, 30, 50, and 100, and storage case.

Equipment Compatibility

Surgical airway devices, autosuturing and autostapling devices, laser scalpels, electrocautery devices, bipolar and monopolar devices, harmonic blades, and all known imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

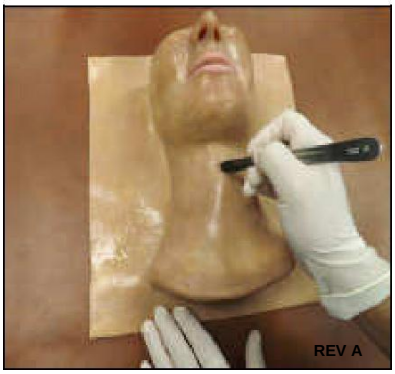
All of our products are made in the USA.

SynAtomy™ Tracheotomy Trainer

Y-TRA-A-0005

Our SynAtomy™ Tracheotomy Trainer is the one of the world's most realistic surgical training platforms used for teaching skills associated with the tracheotomy procedure. This model allows students to practice and repeat technique on a high quality, live-tissue replacement platform in a safe and biohazard-free environment.

Repetitive use will strengthen the ability and confidence of all team members who perform or assist in implementing surgical airways. Typical students who may benefit from this trainer include emergency medical technicians, flight nurses, combat medics, ICU nurses, and nurse practitioners. Anatomical landmarks include chin, clavicle, trachea, hyoid bone, thyroid cartilage, cricoid cartilage, and cricoid membrane.



Relevant Skills

Surgical and needle cricothyrotomy, palpation, cannulation, application and removal of sutures and staples, surgical cutdown, and application of adhesives and bandages.

Included Components

Plastic base, muscular form, trachea with hyoid and cricoid, skin overlay, nasal passage, and 20 replacement tissue sets (skin and cric membrane).

Available Options

Black skin, replacement tissue sets (skin and cric membrane) sold in packs of 10, 30, 50, and 100, and storage case.

Equipment Compatibility

Surgical airway devices, tracheotomy tubes, hemostats, scissors, syringes, catheters, autosuturing and autostapling devices, laser scalpels, electrocautery devices, bipolar and monopolar devices, harmonic blades, and all known imaging equipment.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Intraosseous Infusion Knee — Y-IOA-K-0005

Our SynAtomy™ Intraosseous Infusion Knee is a lifelike medical training platform designed for learning purposes to simulate the intraosseous infusion procedure. Continual practice will allow students to gain proficiency in techniques associated with IO devices, ultrasound guidance, palpation, needle insertion, and drug administration.

Our trainer features IO injectable bones, with realistic tactility, and the ability to withstand multiple punctures. Typical students who may use this product include emergency medical technicians, attending physicians, nurse practitioners, paramedics, and ICU nurses.

Relevant Skills
Intraosseous infusion, ultrasound guidance, palpation, needle insertion, and catheterization.

Included Components
Soft tissue right leg with IO injectable humerous, tibia, and fibula.

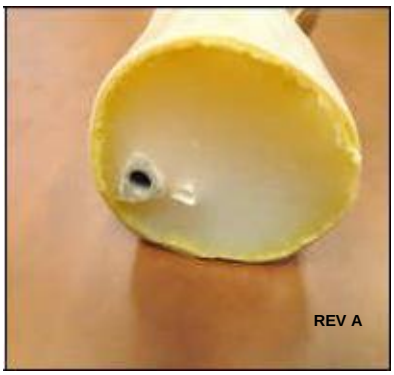
Available Options
Black skin color, placement stand, storage case.

Equipment Compatibility
IO devices (BIG Bone injectable gun, EZ-IO, COOK IO needles, Jamshidi 15G, and FAST1), syringes, and IV tubing.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

Low cost of ownership.

All of our products are made in the USA.



SynAtomy™ Newborn Intraosseous Infusion Knee Y-ION-K-0005

Our SynAtomy™ Newborn Intraosseous Infusion Knee is a highly lifelike medical training platform designed to simulate the intraosseous infusion procedure. Repeated practice will allow students to gain proficiency in techniques associated with IO devices, ultrasound guidance, palpation, needle insertion, and drug administration.

Our trainer features IO injectable bones, realistic tactility, and the ability to withstand multiple punctures. Typical users who may benefit from this product include interns, residents, emergency medical technicians, physicians, nurse practitioners, paramedics, physician's assistants, and ICU nurses.

Relevant Skills
Intraosseous infusion, ultrasound guidance, palpation, needle insertion, and catheterization.

Included Components
Soft tissue right leg with IO injectable humerous, tibia, and fibula.

Available Options
Custom color, placement stand, storage case.

Equipment Compatibility
IO devices (BIG Bone injectable gun, EZ-IO, COOK IO needles, Jamshidi 15G, and FAST1), syringes, and IV tubing.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

Low cost of ownership.

All of our products are made in the USA.

SynAtomy™ Lumbar Puncture

Y-LPN-A-0005

Newborn

Our SynAtomy™ Pediatric Lumbar Puncture Simulator is a lifelike medical training platform designed for students to learn and practice lumbar puncture techniques. This model features a full newborn synthetic body with realistic palpable feedback and CSF fluid inside the spinal canal. Anatomic features include: lumbar vertebrae L3-L5, ligamentum flavum, epidural space, and dura.

Repeated use with our trainer will allow students to master their technique and acquire enhanced comprehension toward the clinical procedure. Attendants who may benefit from this product include physiatrists, anesthesiologists, surgeons, neurologists, nurse anesthetist, radiologists, ICU nurses, ER nurses, physician's assistants, and other nursing staff.

Relevant Skills
Lumbar puncture, catheterization, collection of CSF, application of antiseptics, and needle insertion.

Included Components
Newborn soft tissue model, cerebral spinal fluid, and lumbar vertebrae L3-L5.

Available Options
Storage case, black skin color.

Equipment Compatibility
Ultrasound equipment, needles, catheters, and antiseptics.

Extraordinary Features
All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling.

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

F.A.S.T. Ultrasound Torso

Y-FST-A-0005

Our SynAtomy™ F.A.S.T. Ultrasound Torso is a highly realistic medical training platform designed for users interested in developing and practicing skills associated with Focused Assessment with Sonography for Trauma. Anatomic features include the thoracic and abdominal organs, the aorta, inferior and superior vena cava, and pericardial fluid.

This simulator features true-to-life tactility and is designed to enhance the psychomotor skills of medical professionals such as surgeons, physicians, paramedics, nurse practitioners, nurses, ultrasound technicians, and physician's assistants. Each model is constructed with highly realistic SynTissues™ that mimic the mechanical, thermal, and physicochemical properties of live tissue.

Relevant Skills

Ultrasound guidance and imaging, transthoracic echocardiograms, pericardiocentesis, and F.A.S.T. trauma exams.

Included Components

Heart, lungs, liver, stomach, kidneys, large and small intestines, bladder, ureters, urethra, prostate or uterus, gall bladder, spleen, pancreas, trachea, esophagus, aorta, inferior and superior vena cava, and pericardial fluid.

Available Options

Pathological scenarios: tumors, internal bleeding, lesions, and inflammation. Male or female, storage case, black skin.

Equipment Compatibility

Imaging equipment (ultrasound, MRI, CT, x-ray, etc.), catheters, cannulas, sutures, autosutures, autostapels, syringes, and needles.

Extraordinary Features

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All of our products are made in the USA.

SynAtomy™ Venipuncture Arm

Y-ARM-A-0005

Our SynAtomy™ Venipuncture Arm is a realistic medical training model designed to teach students the techniques essential to blood collection, infusion, and intravenous injections. This trainer includes all appropiate anatomical landmarks and features realistic tangibility of synthetic bone, soft tissue, and vasculature available. Replaceable veins include the dorsal metacarpel, cephalic, basilic, and median cubital.

With our trainer, students are able to learn and develop techniques used in the clinical setting. The skills obtained from this simulator focus on realistic patient care scenarios that may help minimize the incidence of infection. Attendants who may benefit from this trainer include medical labortory scientist, medical practitioners, EMTs, paramedics, phlebotomist, dialysis technicians, and other nursing staff.

Relevant Skills

Venipuncture, blood collection, catheterization, intravenous injections, infusion, hemodialysis, drug administration, and the application of adhesives and antiseptics.

Included Components

Dorsal metacarpal, cephalic, basilic, and median cubital veins, and a pumping unit powered by AA batteries.

Available Options

Storage case, black skin color.

Equipment Compatibility

Vacutainers, syringes, needles, catheters and ultrasound guidance.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Femoral Access Trainer

Y-FEM-A-0005

Our SynAtomy™ Femoral Access Trainer is a lifelike medical training platform with lifelike anatomical landmarks and infusible venous and arterial systems designed for teaching femoral access procedures. Each model contains anatomically correct vascular anatomy of the lower torso, and features arterial pulsation to provide users with immediate feedback during insertion. Palpable landmarks include the femoral vein and femoral artery.

Repeated practice will allow students to gain competence in ultrasound guided needle and catheter insertions of the femoral vein. Typical students who may benefit from this trainer include nurses, nurse practitioners, paramedics, cardiovascular technologist, interns, residents, physicians, and physician's assistants.

Relevant Skills
Femoral line placement, ultrasound guidance, cannulation, catheterization, and application of adhesives and antiseptics.

Included Components
Soft tissue lower torso, femoral vein and artery, peristaltic pump.

Available Options
Custom skin color, storage case.

Equipment Compatibility
Infusion devices, laser scalpels, electrocautery blades, gamma knives, ultrasound equipment, IV tubing, needles, syringes, catheters, antiseptics, sutures, and all known imaging equipment (MRI, CT, x-ray, etc.)

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ PICC Trainer

Y-PIC-A-0005

Our SynAtomy™ PICC Trainer is a highly lifelike medical training simulator designed to teach users interested in developing skills associated with ultrasound guided PICC line placement. This trainer provides realistic characteristics such as pulse rate that is palpable, needle resistance from the soft tissue and artery wall, and the flashback of blood.

Each model is constructed with highly realistic synthetic human tissues that mimic the mechanical, thermal, and physicochemical properties of live tissue. Typical users who may benefit from this trainer include phlebotomist, dialysis technicians, respiratory therapists, cardiovascular technologist, registered nurses, flight nurses, nurse practioners, EMTs, paramedics, interns, residents, physicians, and physician's assistants.

Relevant Skills

Catheterization, needle insertion, blood collection, dialysis shunt placement, ultrasound guidance, and palpation of veins and arteries.

Included Components

Right arm, radial artery, brachial artery, basilic vein, ulnar artery, superficial veins, and a battery powered pump.

Available Options

Storage case, custom skin color.

Equipment Compatibility

Hypodermic needles, syringes, gauze bangages, ultrasound equipment, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Arterial Puncture Wrist

Y-WRS-A-0005

Our SynAtomy™ Arterial Puncture Wrist is a medical training model designed to teach techniques in blood collection from the radial artery. This trainer includes lifelike features such as a pulse rate that is palpable and adjustable, needle resistance from the soft tissue and artery wall, and the flashback of blood. Skin and vessels are both replaceable and the pumping unit is driven by a sealed internal rechargeable LI-PO battery.

We construct our models from the world's most lifelike synthetic human tissues that consist of bio-hazard free material to allow safe practice and learning. This model is designed to improve the technique of students and medical professionals such as phlebotomist, dialysis technicians, respiratory therapists, medical technologists and technicians, nurses, EMTs, paramedics, and physicians and physician's assistants.

Relevant Skills

Artery catheterization, radial artery puncture, needle insertion, blood collection, dialysis shunts, ultrasound guidance, and palpation of the radial artery.

Included Components

Right hand and wrist, radial artery, brachial artery, and a battery powered pump.

Available Options

Carrying case, and custom skin color.

Equipment Compatibility

Hypodermic needles, syringes, gauze bangages, ultrasound equipment, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Femoral and Saphenous UTM

Y-FEM-A-0005

Our SynAtomy™ Femoral and Saphenous Ultrasound Training Model is a highly lifelike medical training platform designed to teach techniques associated with ultrasound guided femoral and saphenous insertions. This model includes anatomically accurate venous placement and positive fluid flow to simulate a real experience.

Repetitive practice with this simulator will assure excellent improvement in psychomotor skills—which may minimize of incidence of infection among patients. Basic model construction utilizes simplified versions of our patented SynTissue™ brand synthetic human skin, fat, muscle, and fascia tissues.

Relevant Skills

Ultrasound guidance, cannulation, catheterization, incisions, suturing, stapling, and application of adhesives.

Included Components

Adult human skin, subcutaneous fat, skeletal muscle, venous intima, media, and adventitia, and a positive fluid pump. Vein includes the femoral and saphenous branch.

Available Options

Storage case, placement stand, black skin color.

Equipment Compatibility

Ultrasound equipment, catheters, needles, syringes, and guidewires.

Extraordinary Features

All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling.

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Joint Injection Shoulder

Y-SHD-A-0005

Our SynAtomy™ Joint Injection Shoulder is a realistic medical simulator ideal for students to learn the techniques associated with arthrotomy and arthoscopy of the shoulder. Repetitive use with this trainer will enhance the ability and confidence of team members who perform or assist in the procedure.

This model features four different injection sites including the subacromial space, acromioclavicular joint, bicipital groove, and glenoid fossa. Basic model construction utilizes simplified versions of our patented SynTissue™ brand synthetic human skin, fat, muscle, and fascia tissues.

Relevant Skills

Arthrotomy, arthroscopy, ultrasound guidance, and cannulation.

Included Components

Soft tissue form, clavicle bone, subacromial space, acromioclavicular joint, bicipital groove, and glenoid fossa from anterior aspect.

Available Options

Storage case, black skin color.

Equipment Compatibility

Ultrasound equipment, arthroscopes, scapels, cannulas, ablation systems, monopolar and bipolar devices, and antiseptics.

Extraordinary Features

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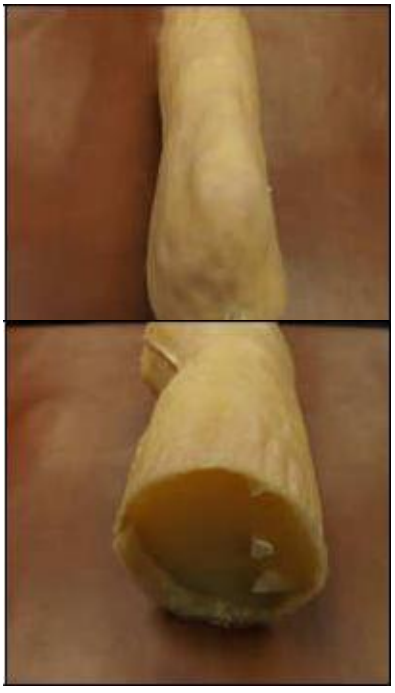
SynAtomy™ Arthrocentesis Trainer

Y-ATH-A-0005

Our SynAtomy™ Arthrocenteisis Trainer is a high-fidelity synthetic knee ideal for teaching students how to perform or assist in arthrocentesis. Continuous practice allows students to master their skills on a state-of-the-art simulation that employs realistic practice of invasive medical procedures.

This right knee model utilizes lifelike capabilities such as aspiration resistance when a needle tip is superficial to the joint capsule, as well as bone resistance. Ultrasound compatible anatomic features include the patella, tibia, fibula, femur, synovial sac, and synovial fluid. Simulated synovial fluid may be removed medially or laterally.



Relevant Skills
Ultrasound guidance, knee aspiration, intra-articular injection, suprapatellar effusion, and palpation.

Included Components
Synovial cavity with replaceable synovial fluid, a patella, tibia, fibula, and a femur.

Available Options
Black skin color, storage case, and placement stand.

Equipment Compatibility
Ultrasound equipment, and syringes.

Extraordinary Features
SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

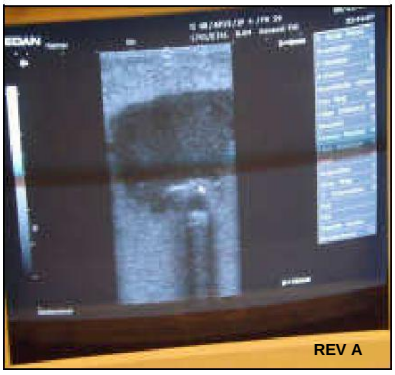
All of our products are made in the USA.

SynAtomy™ Paracentesis Trainer

Y-PAR-A-0005

Our SynAtomy™ Paracentesis Trainer is a lifelike medical training platform designed to teach users techniques associated with ultrasound guided paracentesis procedures. This simulator helps users to effectively learn the skills needed to identify appropriate anatomy and guide needle and catheter insertions by using ultrasound equipment.

This model can simulate intraperitoneal fluid consistent with hemoperitoneum, ascites, or other pathological scenarios. Students can target intraperitoneal fluid and guide their needle to the target in real-time for pathological evaluation.



Relevant Skills

Ultrasound guidance, aspiration of fluid, catheterization, needle placement, and the application of antiseptics and adhesives.

Included Components

Liver, gall bladder, stomach, small intestines, spleen, pancreas, appendix, prostate, kidneys, ureters, large intestines, bladder, ascites and adjustable fluid system.

Available Options

Storage case and custom skin color.

Equipment Compatibility

Imaging equipment (ultrasound, MRI, CT, x-ray, etc.), catheters, needles, and syringes.

Extraordinary Features

All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling.

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Thoracentesis and Thoracostomy Trainer

Y-THO-A-0010

Our SynAtomy™ Thoracentesis and Thoracostomy Trainer is a highly realistic medical training platform designed to teach users the techniques associated with ultrasound guided thoracentesis. In addition, this multifunction training platform is also designed to allow users to train on thoracostomy in the same space. Each model contains a realistic pleural cavity with ribs, intercostal muscles, left lung, pleural cavity, and pleural fluid.

Repeated training with this model will allow students to master techniques associated with cannulation of the pleural space, chest tube placement, and ultrasound guided targeting of pleural fluid in a biohazard-free setting.

Relevant Skills

Chest tube insertion, ultrasound guided aspiration of pleural fluid, needle placement, cannulation, catheterization, and the application of antiseptics and adhesives.

Included Components

Soft tissue form with ribs, lungs, pleural cavity, and pleural fluid.

Available Options

Storage case, caucasian and custom skin colors.

Equipment Compatibility

Chest tubes, needles, catheters, cannulas, trocars, syringes, and standard ultrasound equipment.

Extraordinary Features

All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling.

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Midscapular Thoracentesis & Thoracostomy Y-THO-A-0010

Our SynAtomy™ Midscapular Thoracentesis and Thoracostomy Trainer is a lifelike medical training simulator ideal for teaching users the techniques associated with ultrasound guided thoracentesis and thoracostomy procedures. Each model contains a realistic pleural cavity including the lungs and ribs. Continuous practice with this simulator will allow users to master their technique and acquire enhanced comprehension toward the clinical procedure. Students can target pleural fluid from the midscapular approach and guide their needle to the target in real-time for pathological evaluation. Pleural fluid volume can be adjusted and refilled via the tubes connected to the pleural cavity.

Relevant Skills

Ultrasound guidance, aspiration of pleural fluid, needle placement, cannulation, catheterization, and the application of antiseptics and adhesives.

Included Components

Upper back torso, ribs, lungs, pleural cavity, pleural fluid, scapula, and a spleen.

Available Options

Storage case and custom skin color.

Equipment Compatibility

Ultrasound equipment, needles, catheters, cannulas, trocars, and syringes.

Extraordinary Features

All of our SynDaver™ and SynAtomy™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling. SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Epidural & Lumbar Puncture Simulator Y-EPI-A-0005

Our SynAtomy™ Epidural and Lumbar Puncture Simulator is a realistic medical training platform ideal for users to learn and practice epidural and lumbar puncture procedures. This trainer provides life-like palpable feedback and supplies CSF fluid. Anatomic features include: lumbar vertebrae L4-L6, ligamentum flavum, epidural space, and dura.

Repeated use of our trainer will allow students to master their technique and acquire enhanced comprehension toward the clinical procedure. Attendants who may benefit from this product include physiatrists, anesthesiologists, surgeons, neurologists, nurse anesthetist, radiologists, physician's assistants, nurse practitioners, and other nursing staff.

Relevant Skills
Epidural anesthesia, collection of CSF, catheterization, application of antiseptics, and needle insertion.

Included Components
Upper back torso, cerebral spinal fluid, and lumbar vertebrae L4-L6.

Available Options
Storage case, custom skin tone.

Equipment Compatibility
Ultrasound equipment, needles, catheters, and antiseptics.

Extraordinary Features
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All of our products are made in the USA.

SynAtomy™ Vaginal Ectopic Ultrasound Trainer

Y-FEM-A-0010

Our SynAtomy™ Vaginal Ectopic Ultrasound Trainer is a highly realistic medical simulation platform designed to teach students how to perform vaginal examinations. This model features a female adult lower body encasing the reproductive organs including anatomically correct fallopian tubes, ovaries, cervix, and uterus. Our trainer simulates tubal ectopic pregnacies on the left and right fallopian tube with a 6-12 week fetus in each tube; different types of ectopic pregnancies are optional.

Continual practice with this model will allow users to gain graphic experience, and strengethen their skills and confidence in a risk-free setting. This trainer is perfect for medical professionals and students such as nurses, physicians, physician's assistants, and nurse practitoners.

Relevant Skills

Vaginal speculum exams, manual pelvic exams, IUD insertion techniques, diaphram sizing and fitting, and the viewing of normal and abnormal cervices.

Included Components

Female adult lower body, endovaginal canal, cervical canal, 1 uterus, 1 cervix, left and right ovaries, left and right fallopian tubes, and a 6-12 week old fetus in each fallopian tube.

Available Options

Types of Ectopic Pregnancy: Tubal, ovarian, intra-abdominal, cervical, and heterotpic (acute, sub-acute, or advanced). Storage case, black skin color.

Equipment Compatibility

Speculums, catheters, currettes, tenaculums, and all known imaging equipment (Ultrasound, MRI, CT, x-ray, etc).

Extraordinary Features

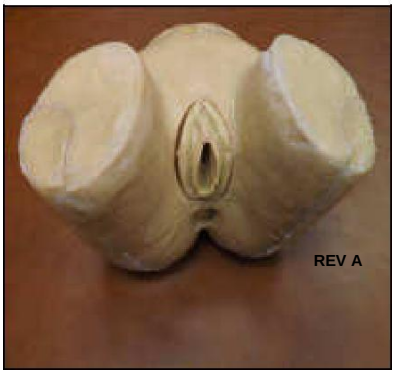
SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Transvaginal Ultrasound Trainer

Y-FEM-A-0005

Our SynAtomy™ Transvaginal Ultrasound Trainer is a highly realistic simulation platform designed to teach students how to perform vaginal examinations. This model features a female adult lower body encasing the reproductive organs including anatomically correct fallopian tubes, ovaries, cervix, and uterus. Continual practice with this model will allow users to gain experience and improve confidence in a risk-free setting. This trainer is perfect for medical professionals such as nurses, physicians, physician's assistants, and nurse practitioners.



Relevant Skills

Vaginal speculum exams, manual pelvic exams, IUD insertion techniques, diaphram sizing and fitting, and the viewing of normal and abnormal cervices.

Included Components

Female adult lower body, endovaginal canal, cervical canal, 1 uterus with cysts, 1 cervix, left and right ovaries, and left and right fallopian tubes.

Available Options

Various pathologies (cancerous tumor, fibroid cyst, inflammation, lesions), storage case, black skin color.

Equipment Compatibility

Speculums, catheters, currettes, tenaculums, and all known imaging equipment (Ultrasound, MRI, CT, x-ray, etc).

Extraordinary Features

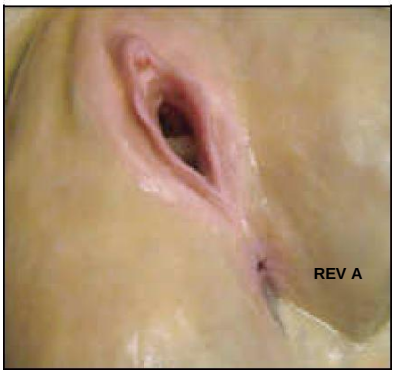
SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Perineal Repair Simulator

Y-PER-A-0005

Our SynAtomy™ Perineal Repair Simulator allows students to learn and hone their skills on a highly realistic model designed with our patented SynTissue™ material. Anatomically correct landmarks include the vulva, vaginal and anal canals, internal and external sphincter, pelvic floor muscles, labia majora, and the labia minora. Repetitive practice will streghten the ability and confidence of all team members who perform or assist in perineal repair. Each model is capable of providing first through fourth degree perineal tears as well as midline, mediolateral, or lateral incisions.



Relevant Skills

Episiotomy, perineoplasty, application and removal of sutures and staples, and application of antiseptics.

Included Components

Soft tissue perineal model.

Available Options

Custom skin color.

Equipment Compatibility

Autosuturing and autostapling devices, laser scalpels, suture scissors, Allis clamps, Gelpi or Deaver retractors, forceps with teeth, needle drivers, harmonic blades, plasma knives, and all known imaging equipment (MRI, X-ray, CT, etc).

Extraordinary Features

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SynAtomy™ Amniocentesis Trainer

Y-AMN-A-0005

Our SynAtomy™ Amniocentesis Trainer is a realistic medical simulator ideal for teaching techniques associated with ultrasound guided amniocentesis procedures. Each model contains realistic pelvic anatomy including a gravid uterus with a fetus of 18 week gestational age, an umbilical cord with fetal and placental cord insertions, anterior placenta, cervix, and a full fluid-filled amniotic sac.

Continual use with our trainer will allow students to effectively master their technique and strengthen their confidence—which may help minimize the incidence of infection amoung patients. Basic model construction utilizes simplified versions of our patented SynTissue™ brand synthetic human skin, fat, muscle, and fascia tissues.

Relevant Skills

Ultrasound guidance, aspiration of amniotic fluid, needle placement, and the application of antiseptics and adhesives.

Included Components

Lower torso, gravid uterus with 18 week fetus, umbilical cord, placenta suspended in amniotic fluid, and an amniotic sac.

Available Options

Storage case, black skin color.

Equipment Compatibility

All known imaging equipment (ultrasound, MRI, CT, x-ray, etc.), needles, and syringes.

Extraordinary Features

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All of our products are made in the USA.

SynAtomy™ Complex Breast Phantom

X-BST-A-0005

Our SynAtomy™ Complex Breast Phantom is a highly lifelike medical training platform ideal for students and professionals who seek to improve hand-eye coordination and learn new techniques. This simulator accurately emulates the ultrasonic characteristics of tissues found in a typical human breast, and allows students to practice procedures such as palpation, mammography, and seed implantation.

Pathologies such as hematomas, lesions, cancerous tumors, fibrous cyst, or abscess may be added to this model. Each model is constructed with highly realistic synthetic human tissues that mimic the mechanical, thermal, and physicochemical properties of live tissue.

Relevant Skills

Breast elastography, palpation, seed implantation, mammogram and ultrasound imaging.

Included Components

Skin, subcutaneous fat, bulk fat, a natural wear layer of dead skin at the surface and three discrete layers (epidermis, dermis, and hypodermis) that move independently from one another.

Available Options

Optional diseased tissues (bruises, fibrotic tumors, hematomas, lesions, fibrous cyst, or abscess), cup size (A to DD), storage case, black or caucasian skin tone.

Equipment Compatibility

All known imaging equipment (Ultrasound, MRI, CT, x-ray, etc.), syringes, scapels, forceps, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber—which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Multi-Mode Lower Torso

X-MMT-A-0005

Our SynAtomy™ Multi-Mode Lower Torso is a realistic medical simulation platform designed to teach students how to perform catheterization and pelvic exams. This model comes in either male or female form and features interchangeable parts for male and female reproductive organs. Various pathologies may be included such as inflammation, lesions, tumors, and cysts.

Continuous training with this model will allow users to gain experience and strengthen their skills and confidence in a risk-free setting. This trainer is perfect for medical professionals and students such as nurses, physicians, physician's assistants, and nurse practitoners.

Relevant Skills

Pelvic examination, and catheterization.

Included Components

Male: Adult lower torso, bladder, urethra, prostate, penis, testicles. Female: Adult lower torso, bladder, urethra, uterus, fallopian tubes, cervix, ovaries, and vagina.

Available Options

Various pathologies such as inflammation, lesions, tumors, and cysts. Male and female reproductive and urological organs, black skin color, storage case.

Equipment Compatibility

Speculums, catheters, currettes, tenaculums, and all known imaging equipment (ultrasound, MRI, CT, x-ray, etc.).

Extraordinary Features

All of our SynAtomy™ and SynDaver™ brand products include one full year of upgrades. This means that as new versions of the product come out you get them free of charge! All you have to do in return is ship the old product back to our factory for recycling. SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Laerdal Belly Plate

H-ABD-L-0005

Our SynAtomy™ Laerdal Belly Plate pad marries complex SynDaver™ tissues to the polyurethane and organosilicate (silicone rubber) technology employed by other medical education companies. This model is the same size as our standard tissue plate but the skin layer is a composite of traditional engineering polymers and fibers while the subcutaneous tissues employ our wet chemistry tissues.

Continual practice with this simulator will ensure excellent improvement in psychomotor skills—which may minimize of incidence of infection among patients. Basic model construction utilizes simplified versions of our patented SynTissue™ brand synthetic human skin, fat, muscle, and fascia tissues.

Relevant Skills

Phlebotomy, intramusclar injection, tuberculosis training, the application and removal of sutures and staples, and the application of adhesives and antiseptics.

Included Components

Adult skin, subcutaneous fat, muscle, two fistulas, and one incision.

Available Options

Blood vessels, lesser or greater thickness of fat, muscle, or skin, smaller or larger diameter of blood vessels, different plate size, black skin color, clinical signs of abdominal tuberculosis, and other pathologies.

Equipment Compatibility

Needles, syringes, sutures, staples, autosuturing and autostapling devices, laser scalpels, scalpels, catheters, cannulas, and antiseptics.

Extraordinary Features

SynTissue™ synthetic human tissues made from salt, water, and fiber - which feature the world's most realistic tactility.

All of our products are made in the USA.

SynAtomy™ Central Line Pump

W-PMP-A-0020

Our SynAtomy™ Central Line Pump is designed to enable experimentation and training with our Central Line Trainer by circulating water throughout the vasculature. The pump height matches the posterior half the chest unit for appropriate patient chest height. The base unit has elevated lips to facilitate hydro-stasis within the platform and radial drains that allows all errant fluid to return to the reservoir.

This Central Line Pump includes a peristaltic pump to supply the arteries and a continuous static flow pump to supply the veins. This dual pump orientation enables arteries to carry simulated blood toward the cranial end of the trainer and the veins to carry simulated blood toward the caudal end of the trainer.

Unit Functions
Simulation of venous and arterial blood flow.

Included Components
3.2 V LIFePO4 single rechargeable battery, peristaltic pump, continuous flow pump, internal charger, external charge cable.

Available Options
All parts are customizable to fulfill any requirements necessary. We offer the addition of extra pumps, extra tubing, and Luer stopcock fittings to manipulate pressure.

Equipment Compatibility
Central Line Trainer or other specialized vascular phantoms.

Extraordinary Features
This pump now features the addition of faceplate graphics customized with your institution name and logo at no additional charge. We also offer free ground shipping on this item to educational and government customers in Canada, Mexico, and the continental U.S.

All of our products are made in the USA.

Competitive Products
None listed.

SynAtomy™ Femoral Line Pump

W-PMP-A-0025

Our SynAtomy™ Femoral Line Pump is designed to allow experimentation and training with our Femoral Line Trainer by transporting water throughout the blood vessels. The pump height matches the posterior half the pelvic region unit for appropriate patient height. The base unit has elevated lips to facilitate hydro - stasis within the platform and radial drains that allows all errant fluid to return to the reservoir.

The Femoral Line Pump includes a peristaltic pump to supply the arteries and a continuous static flow pump to supply the veins. This dual pump orientation enables arteries to carry simulated blood toward the inferior end of the trainer and the veins to carry simulated blood toward the superior end of the trainer.

Unit Functions
Circulation of simulated blood within blood vessels.

Included Components
3.2 V LIFePO4 single rechargeable battery, peristaltic pump, continuous flow pump, internal charger, and external charge cable.

Available Options
All parts are customizable to fulfill any requirements necessary. We offer the addition of extra pumps, extra tubing, and Luer stopcock fittings to manipulate amount of pressure.

Equipment Compatibility
Femoral Line Trainer.

Extraordinary Features
All of our products are made in the USA.

Competitive Products
None listed.

SynAtomy™ Platform

W-PMP-A-0030

Pump

Our SynAtomy™ Platform Pump is designed to allow experimentation and training with our synthetic veins, arteries, and vessel pads by adding a continuous flow of water.

This pump is designed to facilitate hydro -stasis within the platform while the tray has pours to drain all fluid to the reservoir. Flow rate is controlled by valves at the proximal and distal ends of the vessel, and pressure is adjustable through a stopcock at the end of the tubing.

Unit Functions

Active circulation of simulated blood to blood vessels.

Included Components

1000ml Sump, external battery pack with 8 AA batteries, removable high-density polyethylene platform, inlet and outlet tube set, two flow-control valves, and instructions for use.

Available Options

All parts are customizable to fulfill any requirements necessary. We also offer the addition of multiple pumps and extra tubing.

Equipment Compatibility

SynAtomy™ Vessel pads, synthetic veins and arteries.

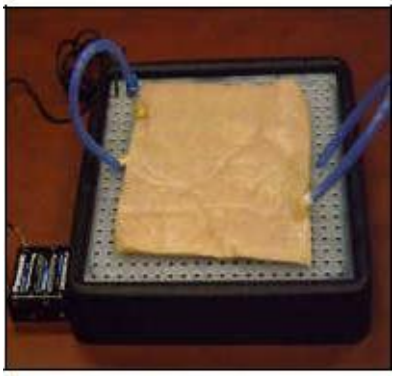
Extraordinary Features

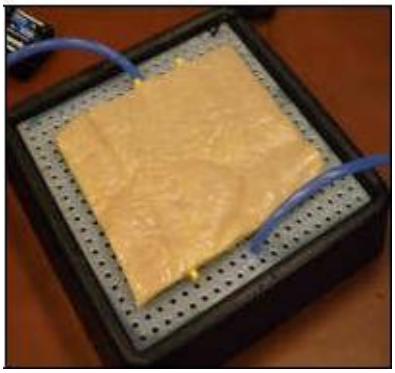
This pump now features faceplate graphics customized with your institution name and logo at no additional charge. We also offer free ground shipping on this item to educational and government customers in Canada, Mexico, and the continental U.S.

All of our products are made in the USA.

Competitive Products

None provided.





SynAtomy™ Heart Pump W-PMP-A-0025

Our SynAtomy™ Heart Pump is designed to enable experimentation and training with our SynDaver™ synthetic humans by transporting water throughout the blood vessels. The pump features an adjustable pressure system and pulsatile flow.

Dual pump orientation enables arteries to carry simulated blood toward the cranial end of the trainer and the veins to carry simulated blood toward the caudal end of the trainer.

Unit Functions
Simulation of venous and arterial blood flow.

Included Components
12.8 V LIFePO4 rechargeable battery, peristaltic pump, continuous flow pump, internal charger, external charge cable.

Available Options
All parts are customizable to fulfill any requirements necessary.

We also offer the addition of extra pumps and extra tubing.

Equipment Compatibility
SynDaver™ synthetic human, F.A.S.T. ultrasound torso, and arterial and venous systems.

Extraordinary Features
This pump now features the addition of faceplate graphics customized with your institution name and logo at no additional charge. We also offer free ground shipping on this item to educational and government customers in Canada, Mexico, and the continental U.S.

All of our products are made in the USA.

Competitive Products
None available.