



EDUCATION FOR THE FUTURE

Education is the key to a better future. Therefore, we strive to simplify the lives of medical educators and medical professionals so you can focus on your students and your patients.

We reach these goals by providing hands-on models, trainers and simulators that are carefully thought through, vetted by professionals like you, and supported by our industry-leading customer service.

The 3B Scientific team is always here to assist you. For your convenience you can contact us via email, phone, fax or connect with us through social media.

Kai Siebert
Medical Product Manager

Christiane Bradshaw
Medical Product Manager



▶ **CPRLillyPro™**: The best choice for your professional CPR training courses, see page 80! ◀





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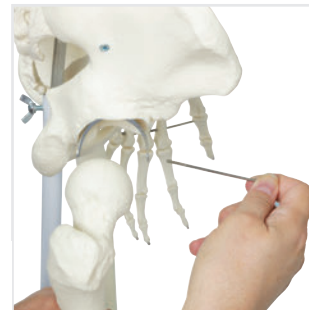


Stan the 3B Scientific® Classic Skeleton

This classic model has been the standard of quality in hospitals, schools, universities, and laboratories for over 50 years. Ideal for active use in teaching and demonstrations, this is the most affordable full-size skeleton of this quality available anywhere! Don't settle for imitations which compromise quality in workmanship and materials. Stan's the man! Comes on waist mounted roller stand. 170 cm; 7.6 kg

M-1013853

Affordable, reliable, and genuine 3B Scientific®!



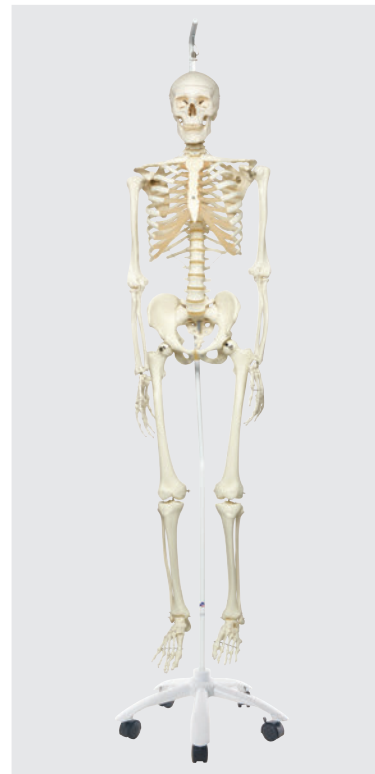
3-part skull (skull cap, skull base, mandible)



Movable Joints



Fully articulated hands and feet



Stan on Hanging Stand

186 cm; 8.3 kg

M-1013857



Max the Classic Muscle Skeleton

This version contains all the standard benefits of a 3B Scientific® Skeleton. In addition, it shows the structural interaction between bones and muscles. It depicts over 600 structures of medical/anatomical significance including muscle origins (red) and insertions (blue) on the left side as well as hand numbered bones, fissures and foramina on the right side. 170 cm; 8.0 kg

M-1013858

Affordably priced with no sacrifice in quality!



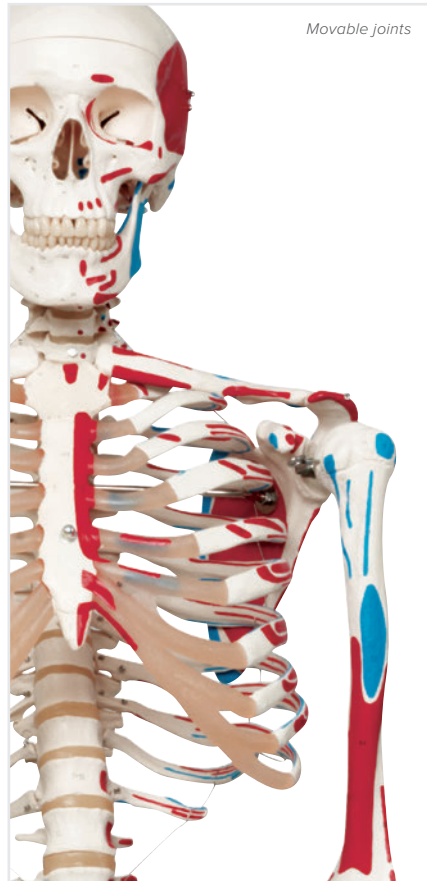
3-part skull (skull cap, skull base, mandible)



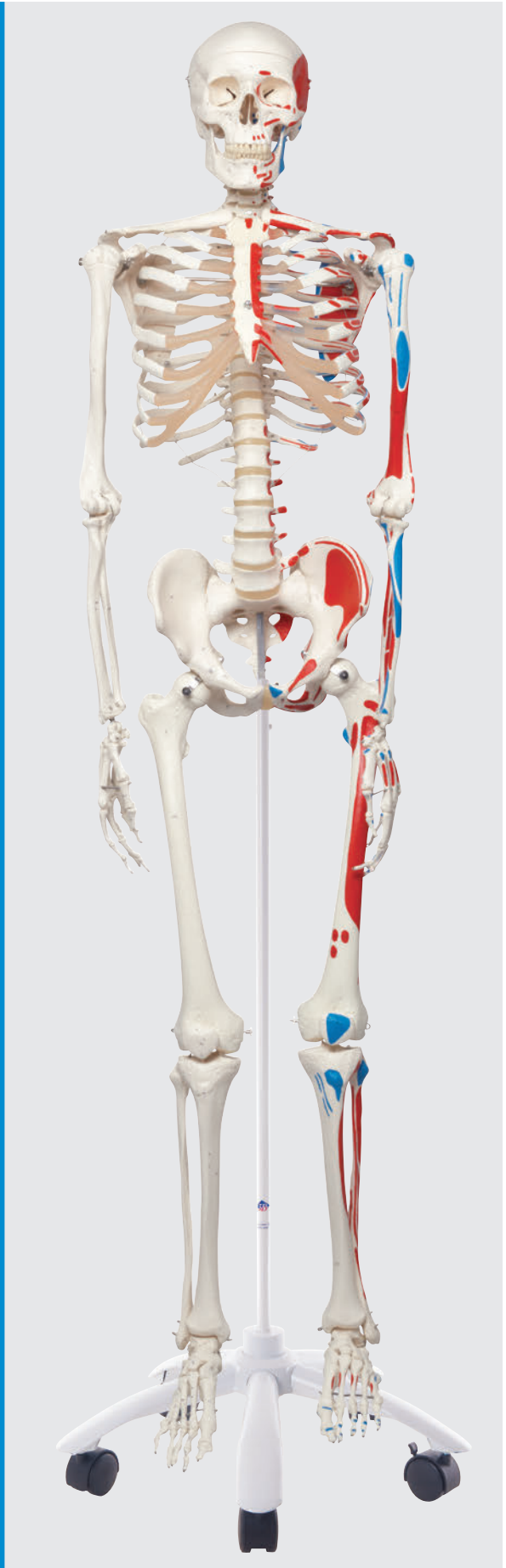
Max on Hanging Stand

186 cm; 8.3 kg

M-1013859

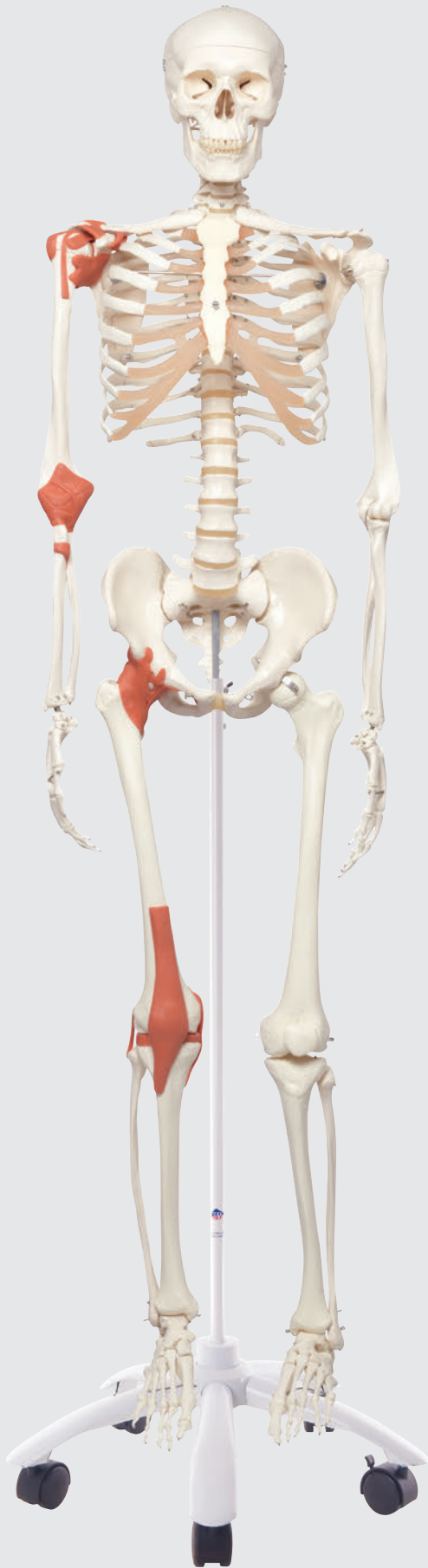


Movable joints



Connect with us!





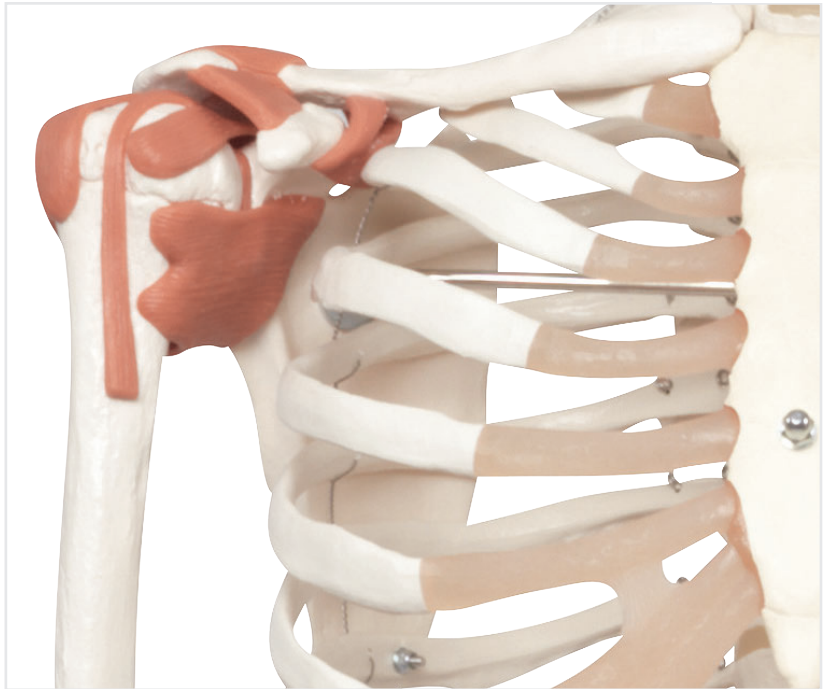
Leo the Classic Ligament Skeleton

In addition to the standard advantages of a 3B Scientific® Skeleton, Leo provides representations of the structural interaction between bones and ligaments. His elastic ligaments on the major appendicular joints (shoulder, elbow, hip, and knee) are mounted on the right side. Comes on stable metal stand with 5 casters and transparent dust cover! 170 cm; 8.2 kg

M-1013860



Elastic, movable joints!



Elastic elbow ligaments



Heavy Duty Protective Cover

Protect your investment with our heavy-duty protective cover. Suitable for all full-size skeletons and stand versions. Black.

M-1005468

Bestseller

Sam the Super Skeleton Does it All!

Sam's fully flexible vertebral column allows you to demonstrate all natural postures, including the movements of the skull and head joints. The unique combination of a flexible vertebral column, muscle origins and insertions, numbered bones, flexible joint ligaments, and a disc prolapsed between the 3rd and 4th lumbar vertebrae allow you to display over 600 structures of medical/anatomical interest with this top of the line model. 170 cm; 8.4 kg

M-1013867

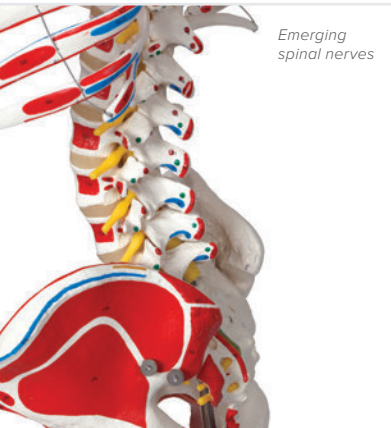
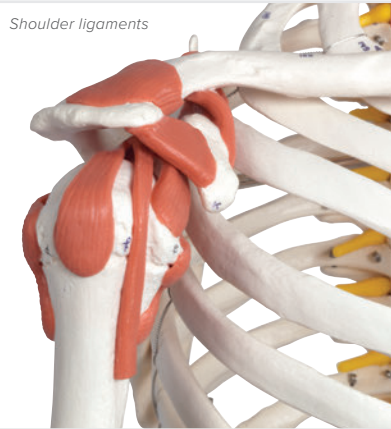
Flexible vertebral column!



Sam on Hanging Stand

192.5 cm; 9.97 kg

M-1013872



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Anatomy | Full Size Skeletons

5



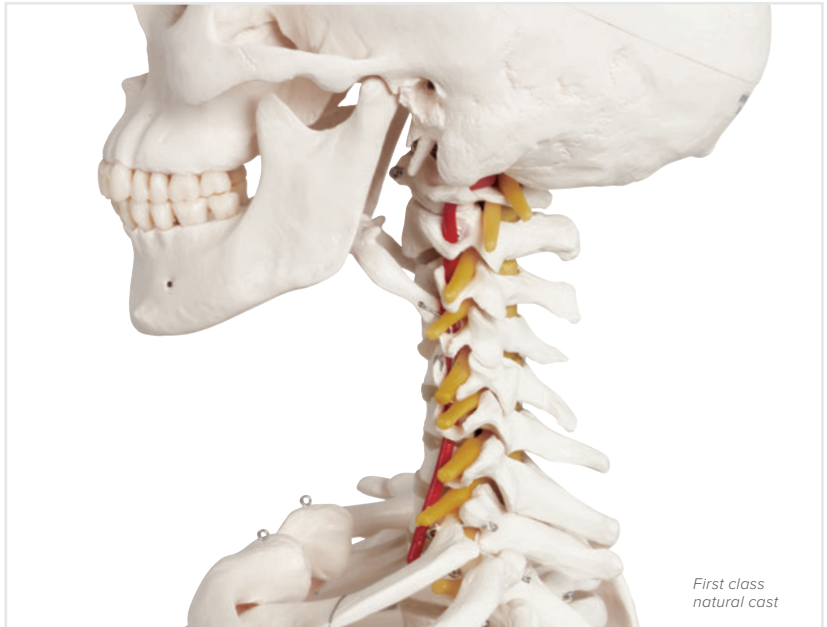


Frank The Functional Skeleton

This unique functional Skeleton comes on a hanging stand and features a flexible assembly of all joints, allowing you to perform the individual movements in a nearly life-like way. You can even demonstrate the complex motions of the upper extremity. The shoulder blades rotate along when the arms are raised. Graphically demonstrate the position of the radial and ulnar bones during inward and outward rotation of the lower arm. The flexible spine allows for natural movement (lateral inclination, flexion and extension, rotation). Even the restricted mobility of the iliosacral joint and the sacrococcygeal joint can be demonstrated. 186 cm; 8.5 kg

M-1013880

You've never seen a skeleton move like this before!

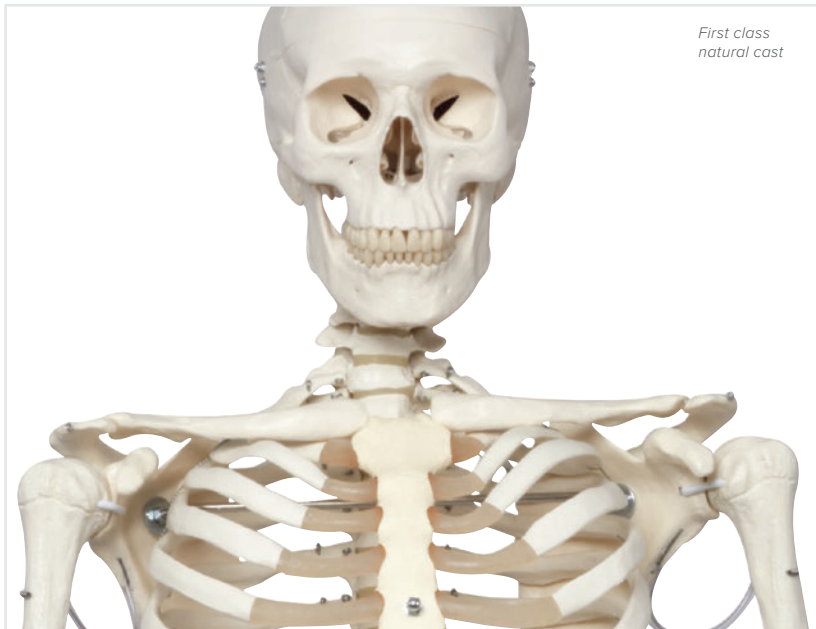


Physiological Phil the Skeleton

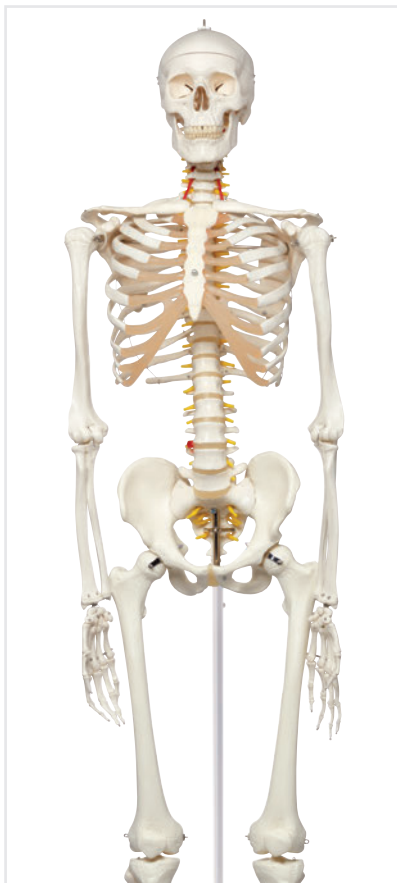
This skeleton is unique in its near life-like realization of the joint mechanisms. It allows you to demonstrate the inward and outward rotation of the arms and legs and the extension and flexion of the knee and elbow joints. The flexible spine allows for natural movement (lateral inclination, movement and extension, rotation). The bones of the hands are wire mounted to demonstrate their natural positions. The foot bones are mounted flexibly to enable movability. The shoulder blades rotate along when the arms are raised. Even the restricted mobility of the iliosacral joint and the sacrococcygeal joint can be demonstrated. 186 cm; 8.5 kg

M-1013875

Demonstrate any movement with Phil the skeleton!



First class natural cast



Fred the Flexible Skeleton

Introducing Fred, the flexible skeleton. Fred's spine can bend to mimic any natural human movement. Once flexed, it remains fixed in position to demonstrate correct and incorrect posture or various pathological conditions. In addition, all skull movements can be demonstrated. Spinal nerve exits and vertebral arteries are shown as well as a dorso-lateral disc prolapse between the 3rd and 4th lumbar vertebrae. Fred has all the standard benefits of a 3B Scientific® skeleton. 170 cm; 8.0 kg

M-1013873

Completely flexible!



Upper Extremities



A. Hand Skeleton

Wire mounted, slightly flexible fingers.

Left M-1000100
Right M-1000101

B. Loose Hand Skeleton

Threaded very loosely on nylon.

Left M-1000096
Right M-1000097



C. Hand Skeleton w/ Ulna Radius

Wire mounted, naturally flexible wrist joint. Slightly flexible fingers.

Left M-1000102
Right M-1000103

D. Loose Hand Skeleton w/ Ulna Radius

Loosely mounted on bungy string. Ulna and radius wire mounted.

Left M-1000098
Right M-1000099



E. Humerus

Left M-1000104
Right M-1000105



F. Arm Skeleton

Wire mounted, naturally flexible wrist and elbow joints. Slightly flexible fingers.

Left M-1000114
Right M-1000115

G. Arm Skeleton w/ Scapula Clavicle

Wire mounted, flexible wrist, elbow, and shoulder joints. Slightly flexible fingers.

Left M-1000116
Right M-1000117

Medical-quality, naturally-cast replica bones for individual study or as replacements for lost or damaged specimens.



H. Ulna

Left M-1000106
Right M-1000107

I. Radius

Left M-1000108
Right M-1000109



J

J. Scapula

Left M-1000110
Right M-1000111

K. Clavicle

Left M-1000112
Right M-1000113



K

L. Sternum with Rib Cartilage

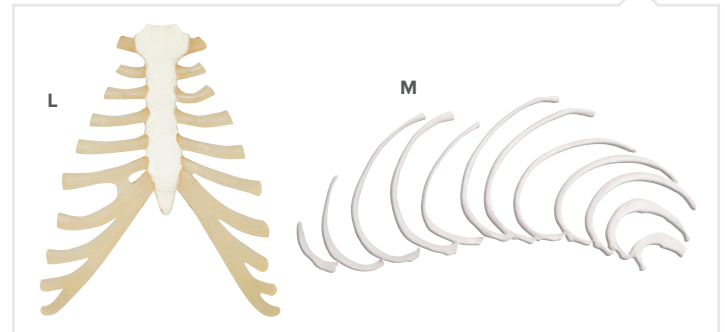
Replica human sternum with rib cartilage.

M-1000136

M. Ribs

12 individual ribs of one side, unmounted.

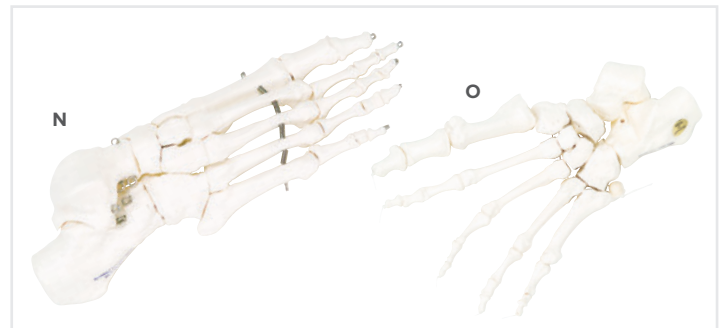
M-1000137



L

M

Lower Extremities



N. Foot Skeleton

Mounted on wire.

Left M-1000073
Right M-1000074

O. Loose Foot Skeleton

Threaded on nylon.

Left M-1000071
Right M-1000072



P. Loose Foot Ankle Skeleton

Mounted with elastic bungy. Includes portions of the tibia & fibula. Flexible.

Left M-1000075
Right M-1000076

Q. Foot Skeleton with Tibia Fibula

Wire mounted.

Left M-1000077
Right M-1000078

Patella

Left M-1000081
Right M-1000082

Cervical Pelvic Bones

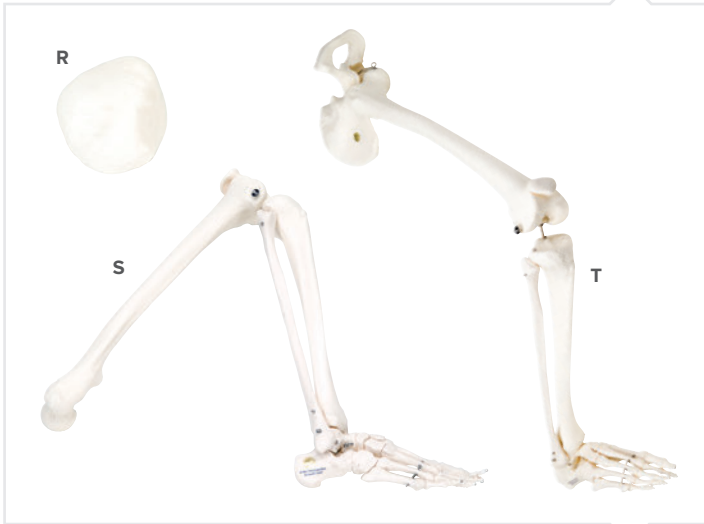


Sacrum and Coccyx

Assembled
M-1000139

Hyoid Bone

Mounted on stand.
M-1000143



S. Leg Skeleton

Wire mounted, slightly flexible toes and ankle joint. Flexible knee joint.

Left M-1000090
Right M-1000091

T. Leg Skeleton with Hip Bone

Wire mounted, slightly flexible toes and ankle. Flexible hip and knee joints.

Left M-1000092
Right M-1000093

U. Fibula

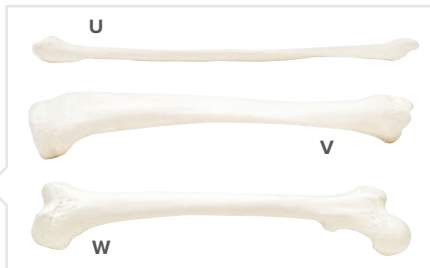
Left M-1000085
Right M-1000086

V. Tibia

Left M-1000083
Right M-1000084

W. Femur

Left M-1000079
Right M-1000080



Hip Bone

Left M-1000087
Right M-1000088



Disarticulated Half Skeleton, with loose hand/foot

This version has the hand and foot loosely articulated on nylon cord. Otherwise identical to the M-A04.

48.5 x 27 x 42.5 cm; 3.8 kg
M-1000024

X. Atlas and Axis, wire mounted

M-1000140

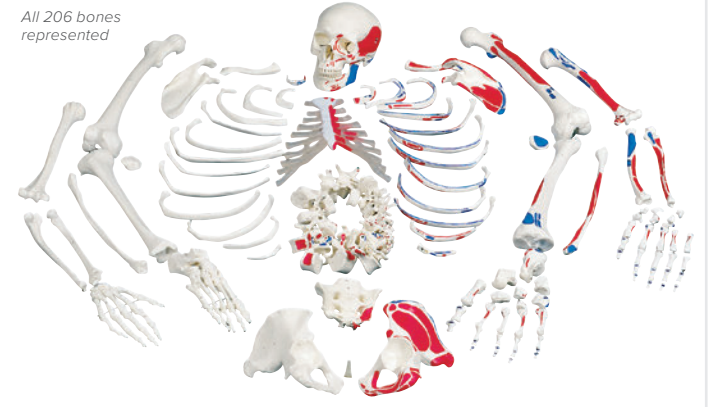
Y. Atlas and Axis, with occipital plate

Wire mounted together on removable stand.

M-1000142



All 206 bones represented



Disarticulated Full Skeleton, numbered with muscle origins and insertions

This special version has over 600 anatomical structures, identified in a multilingual product manual. The skeleton is supplied in a sturdy, partitioned storage box with heavy-duty, carrying handle. Features: 3-part skull; one hand and foot are mounted with wire; one arm and leg loosely articulated. 48.5 x 27 x 42.5 cm; 6.0 kg

M-1000026

Disarticulated Full Skeleton, wire mounted hand/foot (not shown)

One hand and foot on wire, one loosely articulated. Supplied in a sturdy partitioned storage box. 48.5 x 27 x 42.5 cm; 6.0 kg

M-1000025

Comes in heavy-duty partitioned box for easy transport and storage



Disarticulated Half Skeleton, with wire mounted hand/foot

Complete with 3-part skull, sternum, hyoid and spinal column. 48.5 x 27 x 42.5 cm; 3.8 kg

M-1000023



Connect with us!



3B Scientific® ORTHO**bones**



Premium Class Artificial Bones

3B Scientific® ORTHO**bones** are the best artificial bones on the market. Perfectly resembling genuine human bone in terms of form and characteristics, these high quality workshop models are being used by surgeons and medical engineers worldwide.

Right Tibia

The two part design simulates the hard outer cortical shell and the softer inner spongiosa of real bone. The tibia bone is ideal for surgeons to practice correcting leg fractures, or for medical engineers to demonstrate the use of medical devices.

Right Tibia **M-1005118**
Left Tibia **M-1016669**



Half Pelvis

The half pelvis bone is ideal for surgeons to practice procedures required for correcting pelvic injuries such as vertical shear fractures, lateral crush injuries and hip fractures. Medical devices can also be implanted and displayed for patient education.

Right Pelvis **M-1005119**
Left Pelvis **M-1016702**



Sacrum

The sacrum bone can be used to demonstrate corrective procedures used on sacral fractures. Medical devices can also be implanted for demonstration and patient education.

M-1005120



Lumbar Vertebra with intervertebral Discs

Resembles a human bone in terms of form and characteristics. The key to the impressive realism lies within the two part construction of the hard cortical shell (compact or cortical bone) and the cancellous bone material.

M-1017583



Mandible with Teeth

The Mandible with Teeth is ideal for demonstrating procedures like corrective jaw surgery or displaying medical devices used in craniomaxillofacial surgeries.

M-1005116



Femur

The femur bone can be used by surgeons to practice hip replacement surgeries or by medical engineers to demonstrate a new medical device. This artificial bone is the closest you can get to the real thing!

Right Femur M-1005117
Left Femur M-1016668



Humerus

The humerus bone is ideal for surgeons and orthopedists to practice correcting arm fractures or for medical engineers to demonstrate new medical devices.

Right Humerus M-1005121
Left Humerus M-1016670



Radius

The radius bone is ideal for practicing correcting arm fractures or implanting and displaying medical devices.

Right Radius M-1005122
Left Radius M-1016671



Ulna

The ulna bone is perfect for practicing setting arm fractures or implanting and displaying medical devices.

Right Ulna M-1005123
Left Ulna M-1016672

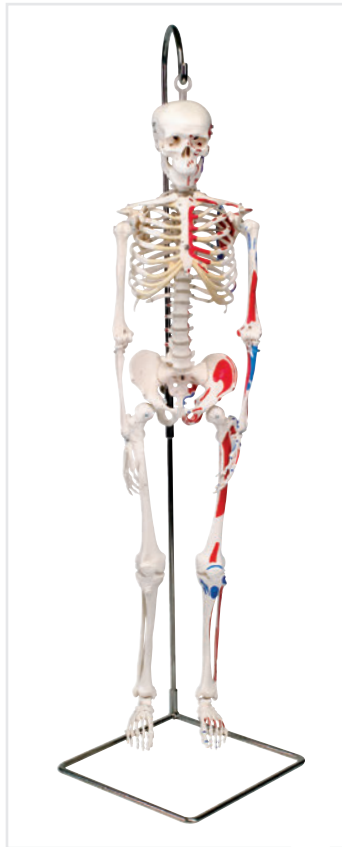


Incredible detail & fully articulating joints!

Shorty the Mini Skeleton

3B Scientific engineers have optimized the process of reproducing miniatures keeping all anatomical details and structures, even at a portion of natural size (80 cm). The skull can be removed and disassembled into 3-parts. Made from durable, unbreakable plastic, hand assembled. 94 cm; 1.7 kg

M-1000040



Shorty with Painted Muscles

Like M-1000040, but with painted muscle insertions (blue) and origins (red). The stand can be either placed on the floor or be attached to a wall. 94 cm; 1.7 kg

M-1000045

Shorty with Pelvic Mount, on removable base

88 cm; 1.5 kg

M-1000039

Shorty with Painted Muscles, Pelvic Mounted

Like M-1000039, but with numbered muscles, muscle origins (red), and insertions (blue) painted on the left half and a pelvic mounted stand. 94 cm; 1.7 kg

M-1000044



More than measures up to the competition!

Mini Vertebral Column, flexible, on stand

Model with occipital plate of the skull, sacrum, coccyx, and intervertebral discs. The vertebral column is flexibly mounted to demonstrate natural movements and pathological changes. On a detachable stand. 44 cm; 0.25 kg

- Scaled down replicas are big on details
- Lightweight for easy transport
- Compact when space is a concern

M-1000043



Mini Skull, 3-part

Our mini skull precisely depicts all anatomical structures down to the last detail. Use it for education or as an office decoration. Can be disassembled into skullcap, base of skull, and mandible. 10 x 8 x 8 cm; 0.10 kg

M-1000041



Multifunctional Spinal Column Stand, 3-part (skeleton not included)

Dual purpose stand serves double duty; place it on a desk, the floor, or hang on a wall. Your choice!

M-1000132

Study the four major joints!

Deluxe Functional Joint Models

These high-quality functional models of naturally-sized right joints with ligaments show the anatomy and possible physiological movements (e.g. abduction, anteversion, retroversion, internal and external rotation) in exceptional detail. The color of the natural-cast bones is extremely realistic. The cartilage on the joint surfaces is marked blue.

A. Functional Shoulder

stump. 22 cm; 0.41 kg
M-1000160

B. Functional Hip

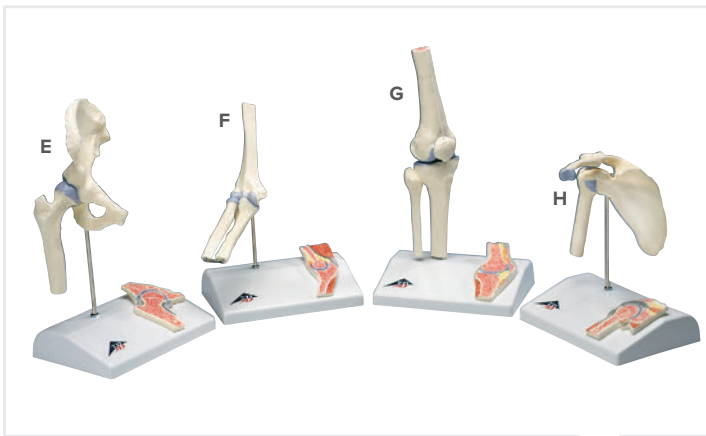
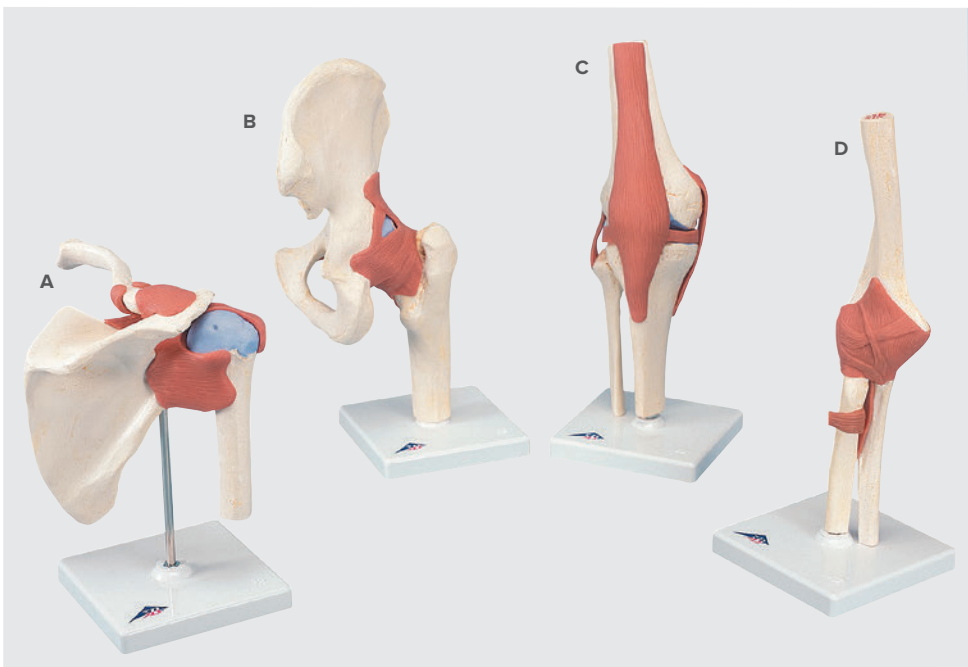
32 cm; 0.56 kg
M-1000162

C. Functional Knee

32 cm; 0.55 kg
M-1000164

D. Functional Elbow

33 cm; 0.28 kg
M-1000166



3B Scientific® Mini Joint Series with Cross-Section

These mini-joints have been reduced to half their natural size but have kept all of their functionality. In addition to the external anatomical structures, using the superb new joint cross-sections mounted on the base, educators now have the ability to explain what is happening from "within".

E. Mini Hip

16 x 12 x 20 cm
M-1000168

F. Mini Elbow

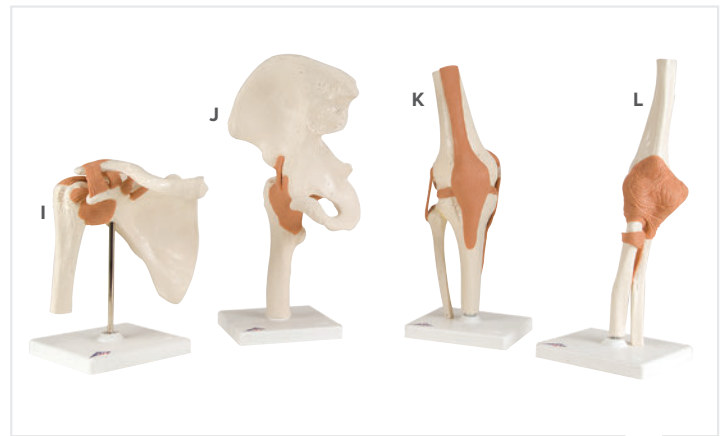
16 x 12 x 20 cm
M-1000174

G. Mini Knee

10 x 14 x 24 cm
M-1000170

H. Mini Shoulder

12 x 14 x 16 cm
M-1000172



Classic Flexible Joint Models

Our classic joint models feature the same look and size as the deluxe models but without the natural bone coloring process and the blue paint representing cartilage.

I. Flexible Shoulder

16 x 12 x 20 cm
M-1000159

J. Flexible Hip

17 x 12 x 33 cm
M-1000161

K. Flexible Knee

12 x 12 x 34 cm
M-1000163

L. Flexible Elbow

12 x 12 x 39 cm
M-1000165



Anatomy Flash Cards: The Human Skeletal System

- 303 individual cards organized by system
- Handy card format (4.125 x 3")
- Individual pictures for each bone
- Realistic idealized photos
- Highly-detailed illustrations
- 360° view of each bone
- Optimized for effective learning and understanding
- High-quality printing on durable cardstock
- Clearly organized – compact – highly effective

M-1003743



Connect with us!

Anatomy | Joints

13





Structural Anatomy of the Hand, 3-part

Right down to the fingerprints, this full-size model shows amazing detail. The superficial and internal structures of the hand including bones, muscles, tendons, ligaments, nerves, veins, and arteries (superficial and deep palmar arches) are all present. The palmar aponeurosis and plate of the superficial flexor tendons are removable. 28.5 x 13 x 6.5 cm; 1.2 kg

Analyze the palmar surface through three increasingly deeper levels:

1st level: palmar aponeurosis.

2nd level: exposes the flexor retinaculum, superficial palmar arch, tendons of the flexor digitorum, and lumbricales muscles.

3rd level: uncovers the deep palmar arch, and deep layer of muscles, nerves, tendons, and ligaments.

M-1000349



Internal Finger Structure Model

This full-size model shows the bones, muscles and tendons of the human index finger. Delivered on wire support stand. 19.5 x 13 x 19 cm, 0.5 kg

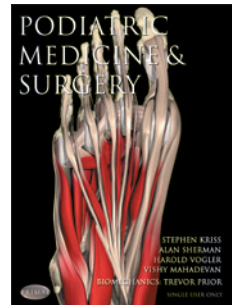
M-1000350



Interactive Hand 2nd Edition - DVD

View the hand, wrist, forearm and elbow in detailed 3D with this teaching, training and reference tool. 3D models of all individual anatomical structures allow you to peel away layers of anatomy from skin to bone and to rotate the model at any stage. All structures have accompanying text, links to images and video clips including labeled dissections, annotated illustrations and clinical slides.

M-1018410



Podiatric Medicine and Surgery- DVD

Complete and interactive 3D modeling of the foot and ankle. Podiatric procedures section includes coverage of surgical procedures including hallux valgus surgery, triple arthrodesis and osteotomies. Surgical slides, videos and 3D animations are linked to each surgical procedure described in the text. Each topic explores the etiology, clinical features, diagnosis and management of conditions such as Hallux abducto valgus and flatfoot.

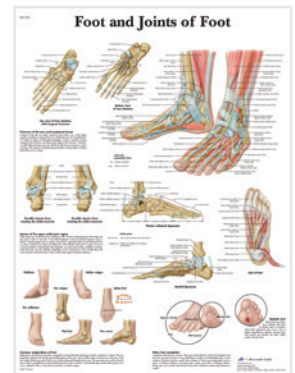
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Hand and Wrist Anatomy Chart

50 x 67 cm

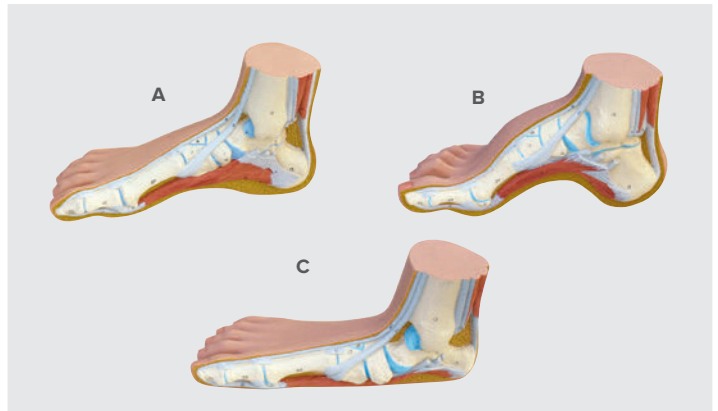
M-1001484



Foot and Ankle Anatomy Chart

50 x 67 cm

M-1001490



A. Normal Foot (Pes Cavus)

13 x 24 x 9 cm; 0.3 kg

M-1000354

B. Hollow Foot (Pes Cavus)

13 x 23 x 10 cm; 0.3 kg

M-1000356

C. Flat Foot (Pes Planus)

12 x 24 x 10 cm; 0.3 kg

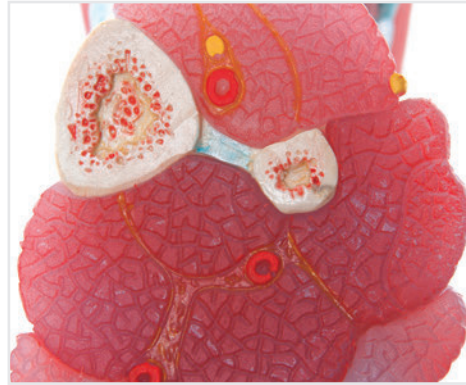
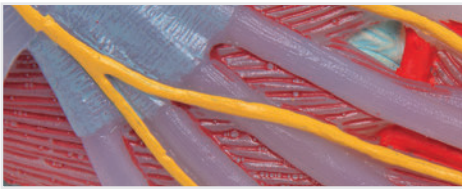
M-1000355



Foot Skeleton with Ligaments and Muscles, 6-part

Anatomically detailed model of the foot and lower leg with 6 removable parts for detailed study of the area. The model features not only the bones but also the muscles, tendons, ligaments, nerves, arteries, and veins. The frontal view features the extensor muscles of the lower leg. The tendons can be followed as they pass under the transverse and cruciate crural ligaments all the way to their insertion points. In addition, all tendon sheaths are visible. On the dorsal portion of the model the gastrocnemius muscle is removable to reveal deeper anatomical elements. The sole of the foot is represented in three layers; displaying the flexor digitorum brevis, quadratus plantae, the flexor hallucis muscle, and even deeper anatomical details. This model is the best of its kind in quality and value. 23 x 26 x 19 cm; 1.1 kg

M-1000360



Foot Skeleton with Ligaments

This detailed model displays numerous important ligaments and tendons including the Achilles and peroneus longus tendons of the ankle. The model consists of the foot bone and lower portions of the tibia and fibula, including the interosseous membrane found between them. 23 x 18 x 30 cm; 0.6 kg

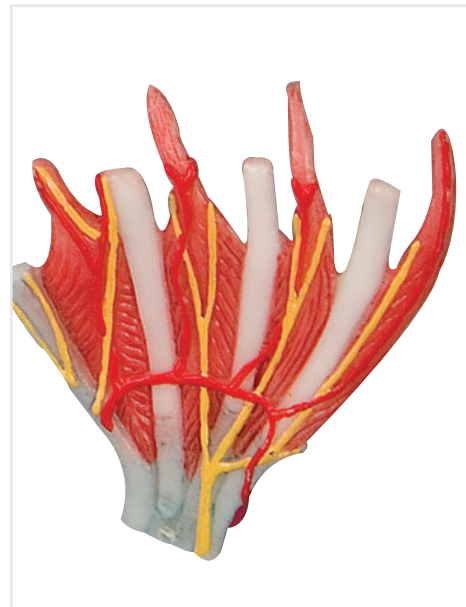
M-1000359



Hand Skeleton with Ligaments and Muscles

The bones, muscles, tendons, ligaments, nerves, arteries, and veins are all featured in this high quality 4-part model. The dorsal side of the hand shows the extensor muscles as well as portions of the tendons at the wrist as they pass under the extensor retinaculum. The palmar face of the hand is represented in three layers, the first two are removable to allow for detailed study. The deepest anatomical layer allows for study of the intrinsic muscles and deep palmar arterial arch in addition to other details of the anatomy of the hand. 33 x 12 x 12 cm; 0.4 kg

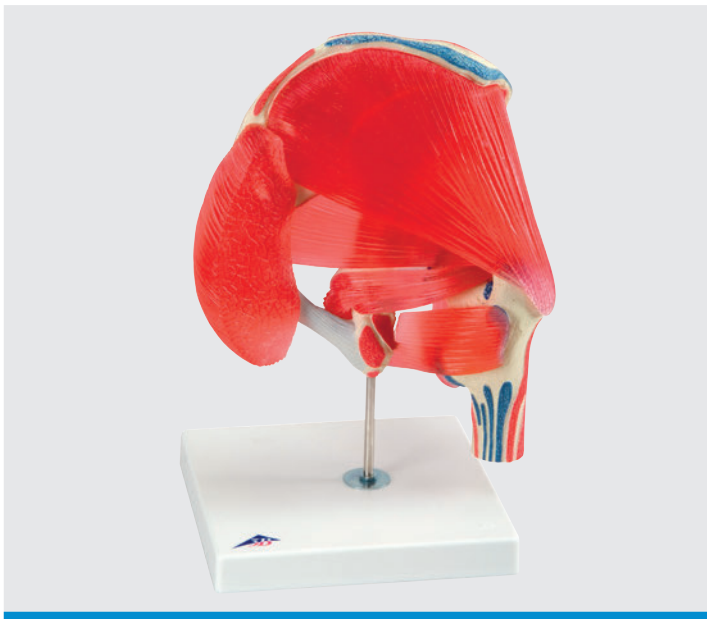
M-1000358



Hand Skeleton with Ligaments

This 3-part hand model shows the anatomical detail of the ligaments and tendons found on the hand, wrist, and lower forearm. The interosseous membrane between the radius and ulna is shown along with the bones of the hand. The flexor retinaculum is removable and in addition there is a removable portion that can be fitted on the back of the model. This portion features the clinically important structures of the carpal tunnel such as the flexor retinaculum, median nerve, and tendons. 30 x 14 x 10 cm; 0.3 kg

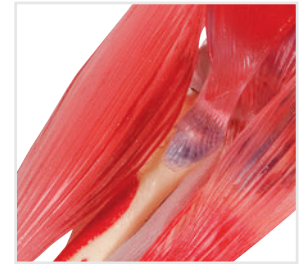
M-1000357



Hip Joint with Removable Muscles, 6-part

Right hip joint of an adult male with the individual muscles as well as the muscle origins and insertions on the femur and the hip bone. For educational purposes, the origin (red) and insertion areas of the muscles (blue) have been raised and presented in color. The hip muscles have been mounted on their corresponding regions of origin and insertion and are thus removable. 18 x 32 x 18 cm

M-1000177



Sports Shoulder with Rotator Cuff

This model comprises the upper half of the humerus, the clavicle and the shoulder blade. The muscles of the rotator cuff (subscapularis muscle, supraspinatus muscle, infraspinatus muscle, teres minor muscle) are displayed and the sites of origin and insertion of the shoulder muscles are highlighted in color (origin = red; insertion = blue). By removing the four individual muscles, all movements of the shoulder joint can be performed. 18 x 18 x 24 cm; 0.85 kg

- Abduction
- Adduction
- Inward rotation
- Outward rotation
- Anteversion
- Retroversion
- Elevation
- Circumduction

M-1000176



Femoral Fracture and Hip Osteoarthritis

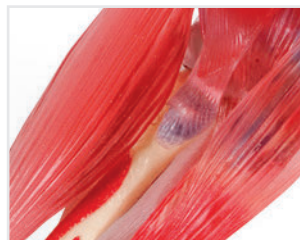
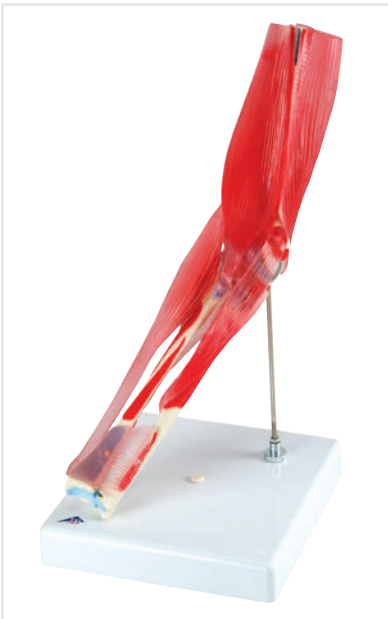
At half natural-size, this model shows the right hip joint of an elderly person. Shown are the femoral fractures that occur most commonly as well as typical wear and tear of the hip joint. Also, a frontal section through the femoral neck is shown in relief on the base. On stand. 14 x 10 x 22 cm; 0.3 kg

M-1000175

Elbow Joint with Removable Muscles, 8-part

The right elbow of a male with individual muscles plus muscular origins and insertions on the humerus, radius, and ulna. For didactic reasons, the areas of the muscular origins (red) and insertions (blue) are raised and color-coded. The muscles can be attached to and removed from the corresponding areas of origin and insertion. 24 x 41 x 25 cm

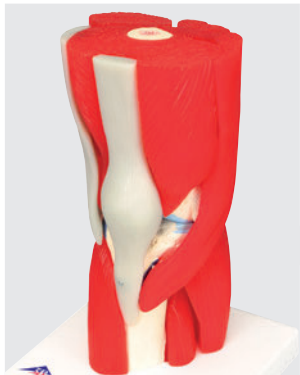
M-1000179



Muscle Knee Joint, 12-part

Shows different removable muscles and muscle portions of the knee area. Color coded and raised areas indicate the muscle origin and insertion points on the femur, tibia, and fibula. In addition parts of the fibular and tibial collateral ligaments are represented. All the muscles of the leg are easily removable to permit study of the deeper anatomical layers. 33 x 17 x 17 cm; 0.9 kg

M-1000178





5-Stages of Vertebral Degeneration

The model illustrates degenerative changes to the vertebral bodies and intervertebral discs of the lumbar spine in various degrees. Based on the original cast of a human lumbar spine, even the finest bone structures are accurately depicted. The model can be disassembled into vertebrae and intervertebral discs. Visit 3bscientific.com for representational conditions. Supplied on base. 22 cm; 0.5 kg

M-1000158

A graphic illustration of the loss of bone mass!

Deluxe Osteoporosis Model

Consists of three medially divided lumbar vertebrae with intervertebral discs. The upper section shows healthy bone structure, the middle section osteoporotic bone structure, and the lower section advanced osteoporotic bone structure with flattened plates, deformation and decreased mass. For detailed study the vertebrae can be removed from the stand.

16 cm; 0.25 kg

M-1000153

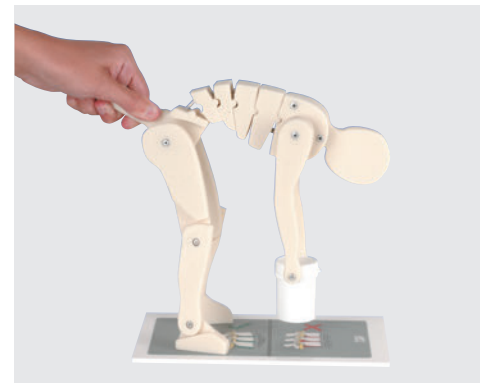


Anatomical Lifting Manikin

This functional figure provides a graphic demonstration of how the human spinal column reacts when heavy objects are lifted correctly and incorrectly. The manikin will lift a weight from either of two positions marked on the base. If the correct posture is used, the spine is undistorted. Incorrect posture exhibits obvious stress and distortion to the lumbar spine. Anatomical illustrations of the spine are featured on the base. Includes booklet with background information.

5.5 x 9" base; 16.5" tall when standing. 1.4 kg

M-1005101



Sectional Spinal Columns



Cervical Section

Consisting of occipital plate, the 7 vertebrae with discs, cervical nerves, vertebral arteries and spinal cord. On stand. 19 cm; 0.3 kg

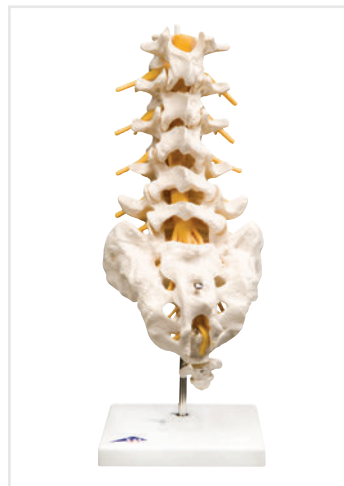
M-1000144



Thoracic Section

Consisting of the 12 thoracic vertebrae with discs, thoracic nerves and spinal cord. Flexibly mounted on stand. 32 cm; 0.5 kg

M-1000145



Lumbar Section

Consisting of the 5 lumbar vertebrae with discs, sacrum with flap, coccyx, spinal nerves and spinal cord. On stand. 34 cm; 0.6 kg

M-1000146



Prolapsed Lumbar Section

The lumbar model includes a prolapsed inter-vertebral disc between the 3rd and 4th lumbar vertebrae.

M-1000150

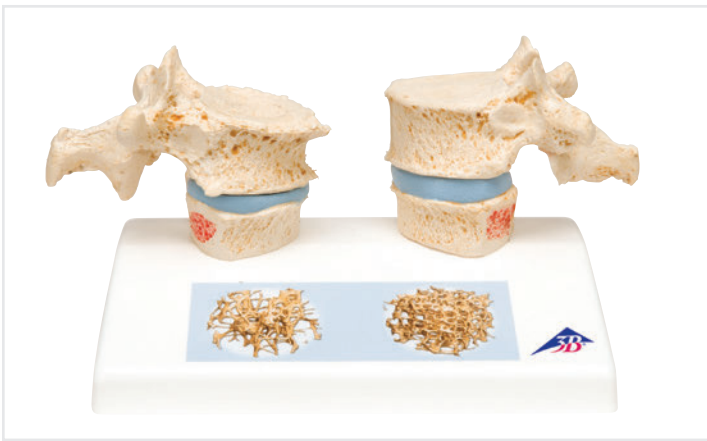


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Anatomy | Vertebrae Models

17



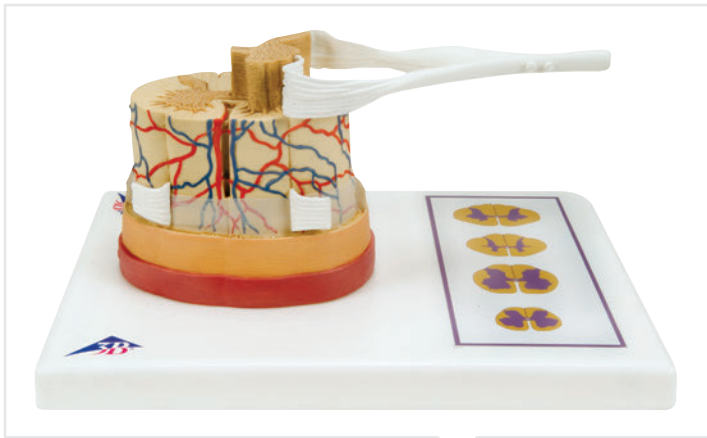


Osteoporosis Model

Impressive didactic model for comparing osteoporotic and normal thoracic vertebrae. Ideal for medical studies and patient consultation. Reproductions of osteoporotic thoracic vertebrae with narrower intervertebral disc are located on the left of the stand. Two corresponding healthy vertebrae with intervertebral disc are provided on the right side. The upper vertebra is divided in the middle. The magnetically attached vertebral half can be removed easily to show the cut surfaces. A detailed illustration on the base depicts two 3D micro CT images obtained from bone biopsies.

14 x 9 x 10 cm; 0.2 kg

M-1000182

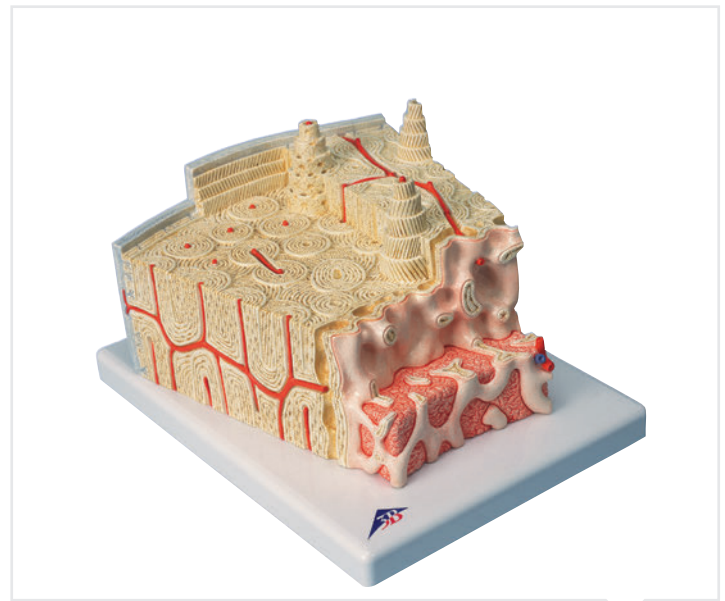


5 times life-size!

Spinal Cord with Nerve Endings

The construction of the spinal cord is shown through accurate representations of grey and white matter, fissures, nerve roots, the spinal ganglia, the spinal nerve with its four branches, and the three layers of the spinal column. The model is mounted on a base which has illustrations comparing cross sections from the cervical, thoracic, lumbar and sacral regions of the spinal column. The regions illustrated on the pedestal are color coded, numbered and explained in an accompanying product manual. 26 x 19 x 13 cm; 0.4 kg

M-1000238



MICROanatomy™ Bone Structure Model, enlarged 80 times

This model depicts a section of lamellar bone, showing the typical structure of tubular bone. Planes are shown in cross and longitudinal section through all levels of the bone and bone marrow. Typical elements are easily identified and help in understanding the structure and function of the Haversian systems. This representation graphically illustrates the individual bone components including spongy and compact substance, endosteum, cortical substance, osteocytes, Volkmann and Haversian canals.

26 x 19 x 14.5 cm; 0.8 kg

M-1000154



Lumbar Spinal Column with Prolapsed Intervertebral Disc

Natural casts of L4 and L5 lumbar vertebrae with paired spinal nerves, spinal cord and two interchangeable intervertebral discs. The discs illustrate either central or dorso-lateral prolapse. Dissects into 5 parts. On stand, removable. 13 cm; 0.27 kg

M-1000149

A. Three Lumbar Vertebrae, flexibly mounted

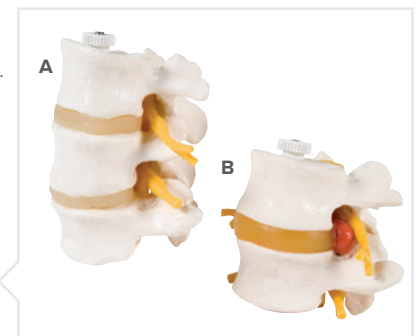
Anatomically correct to the last detail. Flexibly mounted with spinal nerves and spinal cord. 11 cm; 0.15 kg

M-1000151

B. Two Lumbar Vertebrae with Prolapsed Disc

Flexibly mounted with spinal nerves and spinal cord. 7.4 cm; 0.15 kg

M-1000152





Complete™ Vertebrae Set of 24

A complete set of 24 unmounted vertebrae delivered in a padded, easy-carry storage and travel case. 41 x 40 x 12 cm; 2.4 kg

M-1000156



BONElike™ Vertebrae Sets

Nowhere else in the world can you find these realistic, high quality casts of original bones. They show even the finest anatomical structures in great detail. Supplied on a base. 30 x 21 x 6 cm; 0.3 kg

A. BONElike™ Cervical Vertebrae Set of Seven
M-1000021

B. BONElike™ Lumbar Vertebrae Set of Five
M-1000155



What is BONElike™?

3B Scientific® BONElike™ material looks and feels like real bone. Each bone is a unique original cast of natural human bone with realistic weight, feel and appearance. The finest anatomic structures are presented in extreme detail with realistic texture, color, and the porous characteristics of real human bone. They make excellent substitutes for real bone, which can be hard to obtain for ethical reasons. Great for use in medical teaching settings and in patient consultation.

C. BONElike™ Flexible Vertebral Column

This true-to-life model of the human vertebral column is an excellent example of BONElike™ quality. This original, natural reproduction shows all anatomical details and has the realistic weight and feel of natural bone. Consists of the male pelvis and occipital plate. Occipital plate and atlas can be detached individually. Without stand. 85 cm; 1.5 kg

M-1000157

D. 3B Scientific® BONElike™ Youth Vertebral Column

This true-to-life anatomical replica of the vertebral column of a child of about 5 years old is especially interesting for those working in the areas of anatomy, pediatrics, orthopaedics and pediatric radiology. The unique material of the spine model makes it almost visually indistinguishable from a real vertebral column.

The flexible vertebral column including occipital plate, pelvis and sacroccyx is mounted on a stand. Within the spinal canal, the spinal cord with cauda equina and exiting nerve roots are represented in flexible material. See online for full description. 14 x 9 x 51 cm; 0.5 kg

M-1000118



Connect with us!





Flexible Spines

Classic Flexible Spine with Femur Heads and Painted Muscles

Painted spines add a new dimension to demonstrations. Muscle origins (red) and insertions (blue) are painted on left innominate, femur and vertebrae. Same features as M-1000121. Stand is not included, please see M-1000132. 83 cm; 2.1 kg

M-1000123



Classic Flexible Spine

Our most popular spine for education is also our most affordable. Fully flexible and designed for hands-on demonstrations. Stand is not included, please see M-1000132. 74 cm; 1.8 kg

Contains these features:

- Full pelvis and occipital plate
- Fully flexible mounting
- L3-L4 disc prolapsed
- Spinal nerve exits
- Cervical vertebral artery
- Male pelvis

M-1000121



Deluxe Flexible Spine

Additionally to all features of the Classic Spine Series our Deluxe Spine has a sacral opening and exposed brainstem for advanced studies. Stand is not included, please see M-1000132. 74 cm; 1.8 kg

Other features are:

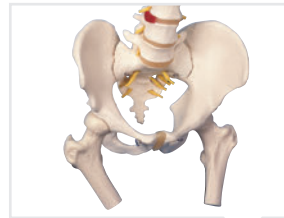
- Full pelvis and occipital plate
- Fully flexible mounting
- L3-L4 disc prolapsed
- Spinal nerve exits
- Cervical vertebral artery
- Male pelvis
- Cauda equine

M-1000125

Multifunctional Spinal Column Stand, 3-part

Dual purpose stand serves double duty; place it on a desk, the floor, or hang on a wall. Your choice!

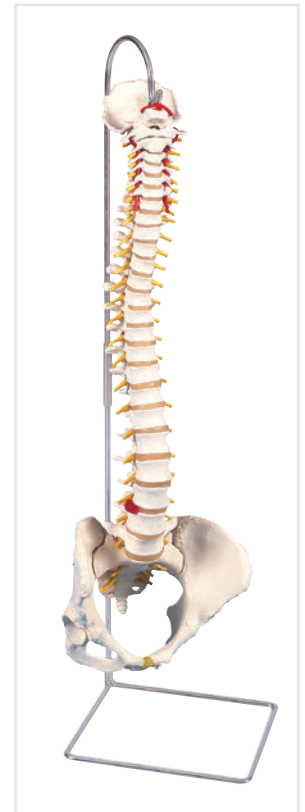
M-1000132



C. Classic Flexible Spine with Femur Heads

Same features as M-1000121, additionally with femur heads. 83 cm; 2.1 kg

M-1000122



Classic Flexible Spine with Female Pelvis

All other features as M-1000121. 74 cm; 1.8 kg

M-1000124



Flexible Spine with Soft Intervertebral Discs

This unique spine shows how the discs deform during normal and abnormal positioning. Use it to demonstrate any number of pathological conditions such as scoliosis, lordosis, kyphosis, or subluxations. Herniation can be demonstrated with compression. Includes spinal cord and spinal nerves. Comes with its own removable stand. 105 cm; 5.0 kg

M-1008545





Classic Flexible Spine with Ribs and Femur Heads
83 cm; 3.0 kg
M-1000120



Muscled Spine
Easily demonstrate the relationship between bones and muscles to students and patients. Muscles are made of soft polyurethane rubber and are attached with a sturdy elastic cord for precise demonstrations. Stand is not included. 83 cm; 2.3 kg
M-1018411



Highly Flexible Spine with Femur Heads
All other features as M-1000130. 83 cm; 2.3 kg
M-1000131

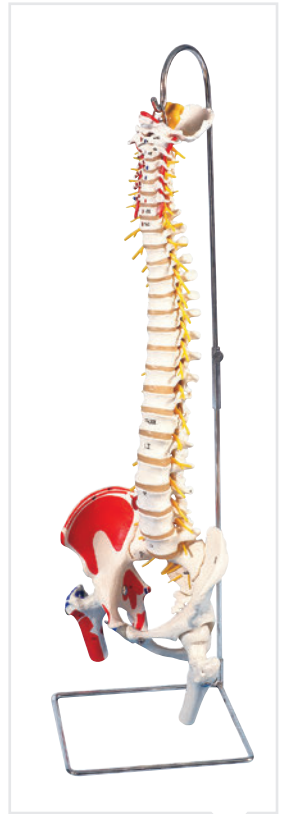


Deluxe Flexible Spine with Femur Heads
Additionally to all features of the Classic Spine Series, our Deluxe Spine has a sacral opening and exposed brainstem for advanced studies. 83 cm; 2.1 kg

Other features are:

- Full pelvis and occipital plate
- Fully flexible mounting L3-L4 disc prolapsed
- Spinal nerve exits
- Cervical vertebral artery
- Cauda equine

M-1000126



Deluxe Flexible Spine with Femur Heads and Painted Muscles

Painted spines add a new dimension to demonstrations. Muscle origins (red) and insertions (blue) are hand-painted on left innominate, femur and vertebrae. For further information see M-1000125. 83 cm; 2.1 kg

M-1000127

Didactic Flexible Spine with Femur Heads (not shown)

All other features as M-A58/8. 82 cm; 2.1 kg

M-1000129

Didactic Flexible Spine

This superb didactically painted spinal column has the same anatomical features as the M-1000121. Use this spinal column for simplified patient education or for lessons in a classroom environment in which the didactic coloring helps reinforce the explanation, even from a distance. Stand is not included, please see M-1000132. 74 cm; 1.9 kg

Differentiated by color are the 5 different sections of the spinal column:

- 7 Cervical vertebrae
- 12 Thoracic vertebrae
- 5 Lumbar vertebrae
- Sacrum
- Coccyx

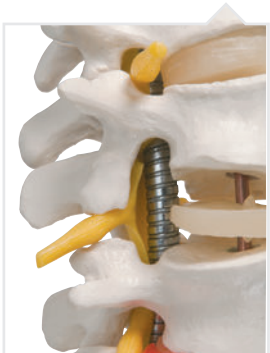
M-1000128



Highly Flexible Spine

The last spine you will ever need! With male pelvis, occipital plate, vertebral artery, spinal nerve exits and a dorsolateral disc prolapse between the 3rd and 4th lumbar vertebrae. Specially mounted on a flexible, durable hose providing extra stability. Ideal for regular active use, such as in schools. Stand is not included, please see M-A59/8. 74 cm; 1.4 kg

M-1000130



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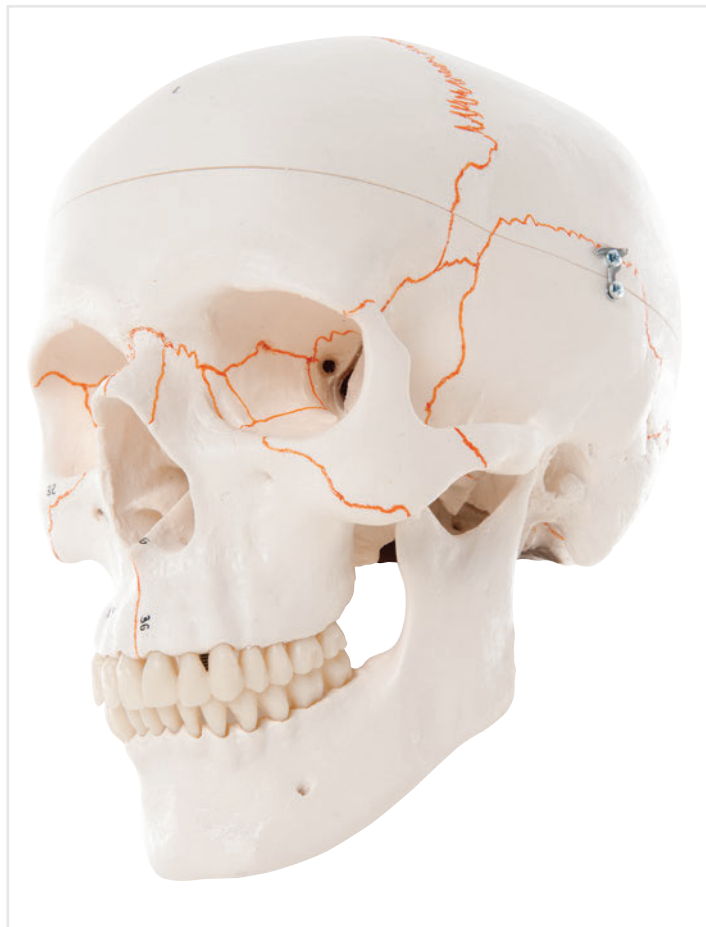


Bestseller

Classic Skull, 3-part

The 3-part standard version M-1000046 is a first choice for basic anatomical studies or an attractive medical gift. Alternatively, choose one of the more advanced versions with enhanced anatomical structures such as muscle origins/insertions, hand-numbered bones and structures, or a supplementary complete 5-part brain for more complex studies. 20 x 13.5 x 15.5 cm; 0.7 kg

M-1000046

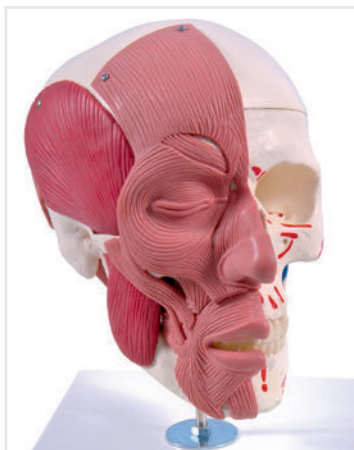


Life like detail!

Classic Skull, Numbered, 3-part

Hand-detailed version of our Classic Skull. Hand-numbered bones and features plus highlighted suture lines of the bony plates for ease in identifying all important anatomical structures. Includes product manual with key to numbered structures. 20 x 13.5 x 15.5 cm; 0.7 kg

M-1000052



Skull with Facial Muscles

The face and mastication muscles are illustrated on the right half of this skull model. The face musculature can easily and precisely be differentiated from the mastication musculature by using two colours. On the left half the muscle origins and insertions are marked with colours (origin: red, insertion: blue). The jaw is movable and due to the flexible musculature the rudimentary chewing motion can be demonstrated. Cranium and m. masseter are detachable.

M-1013283



Classic TMJ Skull with Masticatory Muscles, 2-part

Ideally suited for patient education, allied health instruction, anatomy studies, and as a medical-legal visual aid. This version of our Classic Skull has the masticatory muscles (masseter, temporal, medial and lateral pterygoid muscles) represented as elastic bands. Demonstrate the function of the masticatory muscles with jaw occlusion, the initial stage of jaw opening and the movements of the mandible to the side and front. The skullcap is removable. 20 x 13.5 x 15.5 cm; 0.9 kg

M-1000056



Classic Skull with Opened Lower Jaw, 3-part

In this highly detailed skull, the mandible is opened to show the dental roots with vessels and nerves. The cranial bones, bone components, fissures, foramina and other structures are numbered. The cranial sutures are shown in color, as are the meningeal vessels and venous sinuses. Over 100 features are identified in the accompanying product manual. 20 x 13.5 x 15.5 cm; 0.7 kg

M-1000053



Classic Skull, Painted, 3-part

The muscle origins (red) and insertions (blue) are shown in color on the left side of the skull. Cranial bones and structures are numbered on the right side. The skull identifies over 140 anatomical elements. 20 x 13.5 x 15.5 cm; 0.7 kg

M-1000055



Save when you purchase skull with brain model!

Classic Skull with soft 5-part Brain

All the features of Classic Skull M-1000046 with a supplementary 5-part brain. This skull can be disassembled into skull cap, base of skull, and mandible. 20 x 13.5 x 15.5 cm; 1.5 kg

The components of its left half are:

- Frontal lobe and parietal lobe
- Temporal lobe and occipital lobe
- Ancephalic trunk
- Cerebellum

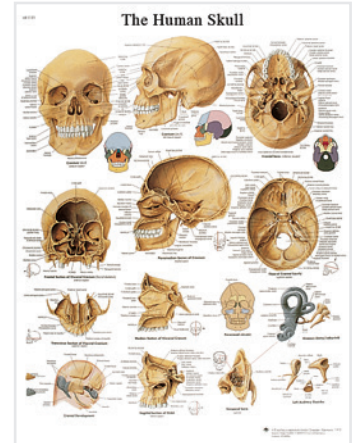
M-1000049



Classic Skull, Painted, with Opened Lower jaw, 3-part

Same features as M-1000055, with exposed jaw. 20 x 13.5 x 15.5 cm; 0.7 kg

M-1000054



Human Skull Chart

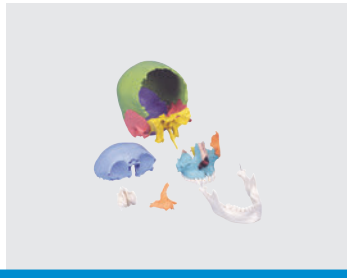
50 x 67 cm

M-1001478



Connect with us!





Bestseller

Beauchene Adult Human Skull Kit, 22-part

The human skull consists of many individual bones that gradually grow together as the development proceeds. The best selling 3B Scientific® Human Skull Kit is a natural cast and makes the complex anatomical structure of the skull easy to understand, since it can be disassembled into its 22 individual bones. The individual bones can be reassembled by means of inconspicuous, stable connectors attached at the slightly simplified skull sutures. The 22 bones are depicted in 9 different didactic colors so that the individual skull bones are easy to distinguish. Each pair of bone plates has the same color. The individual bones included are listed online. 21 x 13 x 15 cm, 0.7 kg

M-1000069

Beauchene Adult Human Skull Kit, 22-part

The same as M-1000069, but in natural bone color.

M-1000068

Transparent Classic Skull, 3-part

Use this unique skull to study internal structures that otherwise are visible only through x-ray images. 20 x 13.5 x 15.5 cm, 0.7 kg

M-1000051



Combined Transparent/Bone Skull, 8-part

A unique way to study the internal and external anatomy of the skull. One half is transparent and the other is bony. It offers a topographic comparison of structures that are not visible in other skull models. The teeth can be taken out and the outer masticatory muscles are represented on the bony skull half. The skull can be disassembled into two halves.

16 x 14 x 21 cm; 0.54 kg

M-1000063



Human Bony Skull, 6-part

An outstanding skull for studies of the bony structure and complex anatomy of the human skull. This version shows a complete skull in median-sagittal section. It can be disassembled into two halves consisting of: 1) the calvarium and the base of the skull, and 2) the nasal septum and complete mandible. For a demonstration of masticatory motion, the mandible is mounted flexibly.

16 x 14 x 21 cm, 0.5 kg

M-1000062



Deluxe Didactic Skull, 7-part

On the transparent half, the paranasal sinuses are marked in different colors as are the cranial sinuses and the neck and face arteries. One skull half visualizes the brain position and the course of the sinuses. The periodontal pockets can be viewed through the transparent jaw. The lower jaw demonstrates masticatory movements. The skull can be disassembled into both halves of the skullcap, the left half of the base of skull, the nasal septum, the complete mandible and a brain half. 35 x 18 x 18 cm; 1.0 kg

M-1000064



Fetal Skull

Natural cast of a fetal head in the 30th week of pregnancy showing the characteristics of prenatal development. The fontanelles, which become bone over time, are clearly visible on the skull. Sutures will form along the bony plates helping fuse the skull as the individual ages. 14 x 9 x 9 cm; 0.2 kg

M-1000057



Microcephalic Skull

This one-part microcephalic skull has an alveolar abscess of the right maxilla with the canine tooth suspended in the abscess. The molars exhibit severe attrition. 27 teeth. Natural cast. 23 x 16.5 x 17 cm; 0.8 kg

M-1000065



Hydrocephalic Skull

The enlarged cerebral cranium is typical of this severe malformation. The skullcap of the one-part skull is partially covered by periosteum. The lower right canine and the right molar are decayed. Natural cast. 28 x 23 x 19.5 cm; 0.8 kg

M-1000066



Skull with Cleft Jaw and Palate

Severe malformation of the left skull half. The one-part skull has 29 teeth. Natural cast. 28 x 23 x 19.5 cm; 0.8 kg

M-1000067



Didactic Skull on Cervical Spine, 4-part

Especially useful to demonstrate the specialized role of the atlas and axis; this model uses 19 didactic colors to demonstrate the shapes and relationships of the various bone plates of the skull. Flexibly mounted on the cervical spine (C1, C2 and C7 are colored), this model also exhibits the hindbrain, spinal cord, spinal nerves of the cervical spine, vertebral arteries, basilar artery and rear cerebral arteries. Mounted on a stand. 20 x 13.5 x 15 cm; 1.4 kg

M-1000048



Skull on Cervical Spine, 4-part

Especially useful to demonstrate the specialized role of the atlas and axis; this flexibly mounted version arrives with a stand and includes the entire cervical spine. In addition to the skull with movable jaw and seven cervical vertebrae, are representations of the hindbrain, spinal cord, cervical nerves, vertebral arteries, basilar artery and rear cerebral arteries. 20 x 13.5 x 15.5 cm; 1.4 kg

M-1000047

Exceptional teaching tool!

Neurovascular Skull

A life size adult skull with seven cervical vertebrae mounted upon a stand. The arteries are shown on one side and nerves on the other. Removing the skull cap exposes the main nerves and arteries on the floor of the cranium. The 12 cranial nerves and the distribution of their branches is also shown. 29 x 21 x 18.5 cm; 1.3 kg

M-1005108





Anthropologic Skulls

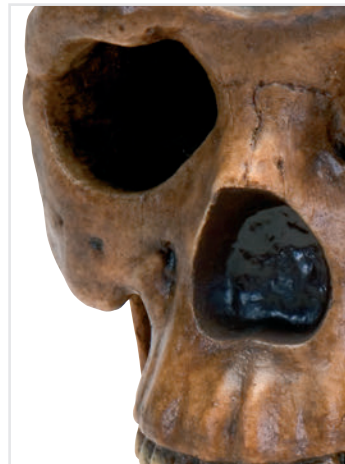
3B Scientific's range of anthropological skulls has been reissued in their entirety and the results are plain to see. All models are the finest castings, produced from scientifically made copies of specimens featured in the collection at the Institute of Anthropology and Human Genetics for Biologists at Johann Wolfgang Goethe-University, Frankfurt am Main, Germany. All details are reproduced with the utmost accuracy. Each unique replica comes with an attractive display pedestal containing a relief map of the geographical area where the specimen was found. A multi-lingual, detailed information booklet is included with each replica.

La Chapelle-aux-Saints

Homo (sapiens) neanderthalensis

Discovered in France in 1908 this is one of the most controversial skulls to be excavated. Described as dull-witted, brutish and ape-like at the time; he was at least 40 years old, suffered from severe arthritis and had a misshapen face due to missing part of his jaw and many teeth. Despite these deforming conditions, it is now clear that the La Chapelle-aux-Saints man was much more like us in appearance than had been believed. Includes relief map of discovery location. 22 x 16 x 22.5 cm; 0.9 kg

M-1001294



Sinanthropus

Pithecanthropus pekinensis

Discovered south west of Peking and estimated to be 400,000 years old. This specimen belongs to the genus *Homo erectus pekinensis* (*Sinanthropus pekinensis*) and is a typical example of early man. 21 x 14.5 x 21.5 cm; 0.9 kg

M-1001293

▶ Specimens featured in the museum collection at the Institute of Anthropology and Human Genetics for Biologists. ◀



KNM-ER 406, Omo L. 7a-125

High-quality cast of a reconstruction of the Kalvarium skull (KNM-ER 406) with a partial mandible (Omo L. 7a-125). The partial mandible comes from a different dig but is clearly from the same species. Discussions continue as to whether the specimen is an *Australopithecus boisei* or a *Paranthropus boisei*. Specimen was discovered at Lake Turkana, formerly Lake Rudolph in 1970 and was aged at approximately 1.7 million years.

18 x 18 x 22.5 cm; 0.8 kg

M-1001298



**Crô-Magnon
*Homo Sapiens***

This wonderful casting is a reconstruction of an early hominid called Crô-Magnon man. The skull itself belonged to the species *Homo sapiens* from the ice age of the neo-Paleolithic era. This genus represents the earliest definitive modern human from Western Europe.

21.5 x 15 x 24.5 cm; 0.9 kg

M-1001295



**Steinheim
*Homo (sapiens) Steinheimensis***

Found in 1933 in the area of Steinheim, Germany the skull was crushed on the right side, but once pieced together revealed some interesting characteristics. The face does not protrude as much as most Neanderthals. However, the brow ridges are somewhat thick. This mix of traits shows a transition from a primitive to a modern form. Believed to be a female from 25 to 25 years old.

19 x 12.5 x 21.5 cm; 0.7 kg

M-1001296

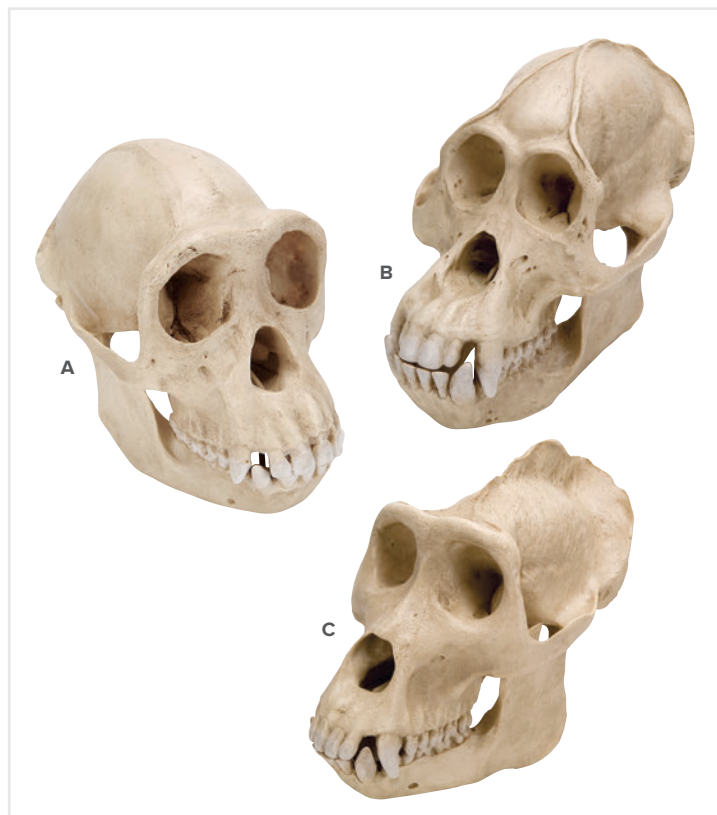


**Broken Hill or Kabwe
*Homo Heidelbergensis***

Broken Hill is the first early human cranium fossil to be found in Africa (1921). Once thought to be less than 40,000 years old, an assumption later proven to be flawed, the skull is at least 125,000 years old, and is probably significantly older. Some researchers have proposed that Broken Hill may be a member of the African population from which all modern humans descended, although this cannot be definitively proven.

21 x 15.5 x 23.5; 0.8 kg

M-1001297



Osteological Reproductions: Bone Clones® Hominid Series

Each hominid was carefully researched and re-created based on casts made from the original fossils, the latest literature and full color, life-size photographs, or some combination thereof. Every effort has been made to accurately re-create anatomical details of color, size, shape, reconstructed areas, and bone/fossil texture, however, they are not intended for research purposes. The hominids offered in this series are high-quality recreations that can be advantageously used by educators as important visual aids in the classroom, and appreciated by the general public.

A. Chimpanzee (*Pan Troglodytes*) Female Skull

This Chimpanzee Skull model was cast from an original specimen from the collection of the Johann Wolfgang Goethe University of Frankfurt am Main, Institute of Anthropology and Human Genetics for Biologists. The chimpanzee (*Pan troglodytes*) skull is a great visual teaching tool for the anatomy of mammals. This animal skull is perfect for mammalogy and comparative anatomy studies. Its as close the genuine thing as you can get, for detailed anatomical study!

M-1001299

B. Orangutan (*Pongo Pygmaeus*) Male Skull

The male orangutan (*Pongo pygmaeus*) replica is a skull cast of the highest quality, with accurate anatomical detail. This animal skull is a great addition to mammalogy studies as well as comparative anatomy and other anatomical lessons.

M-1001300

C. Gorilla Skull (*Gorilla Gorilla*) Male Skull

This replica is a skull cast of high quality with anatomical detail true to nature. The gorilla skull is made of unbreakable plastic and has an anatomically correct movable lower jaw for easy demonstration of natural gorilla movement. This gorilla skull is great for mammalogy and comparative anatomy studies. Its a great tool for any biology classroom!

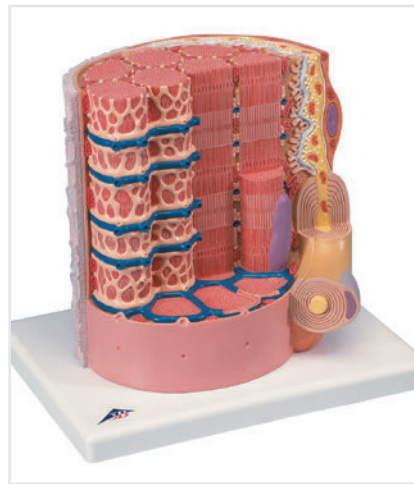
M-1001301



1/4 Life-Size Muscle Figure, 2-part

The mini muscle model's (57 cm) strength is in its value. In this desktop size version all the superficial musculature of the human form is accurately reproduced and detailed in life like colors. The chest plate is removable to reveal the internal organs and the right side contains a female mammary gland. Over 125 hand-numbered and identified structures. Delivered on base. 57 x 25 x 18 cm, 2.1 kg

M-1000212



MICROanatomy™ Muscle Fiber

Magnified approximately 10,000 times, this model illustrates a section of a skeletal muscle fiber and its neuromuscular end plate. The muscle fiber is the basic element of the diagonally striped skeletal muscle.

23.5 x 26 x 18.5 cm; 1.1 kg

M-1000213



Great for the desktop and personalized instruction!

MEDart™ Pregnancy Pelvis, 2-part

This equally sophisticated and fine median section allows a view into the physiological world of a female pelvis in the 40th week of pregnancy. The removable fetus illustrates the position of the child in the womb shortly before the birth. 18.5 x 18.5 x 9 cm, 1.3 kg

M-1000370

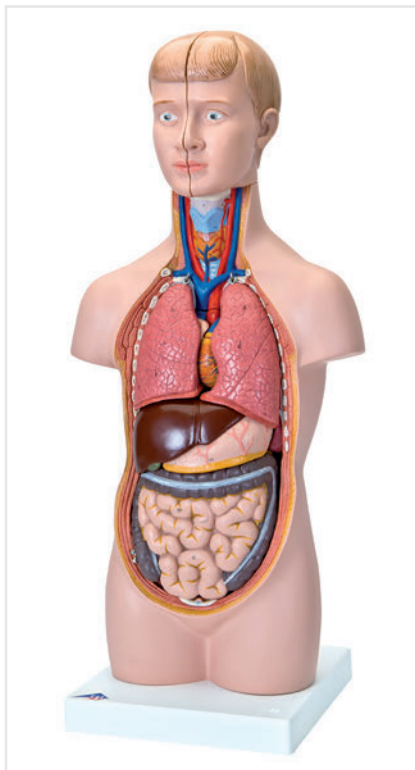


MEDart™ Foot Series - Normal Foot, Flat Foot, Hollow Foot

Simply irresistible, these miniatures show the superficial structures and, at the interior side, the bones, muscles and tendons in their correct anatomical position.

6 x 12 x 4.5 cm, 0.3 kg

Set of 3 M-1000371



Superb Detail!

Mini Torso, 12-part

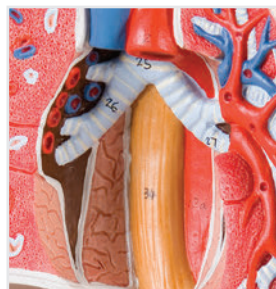
This mini masterpiece is half life-size so even small hands can quickly disassemble the torso. All parts are numbered and identified on the included product manual.

54 x 24 x 18 cm; 2.0 kg

Removable parts include:

- 2 Head halves
- Brain half
- 2 Lungs
- 2-part Heart
- Liver with gall bladder
- Stomach
- 2-part Intestinal tract

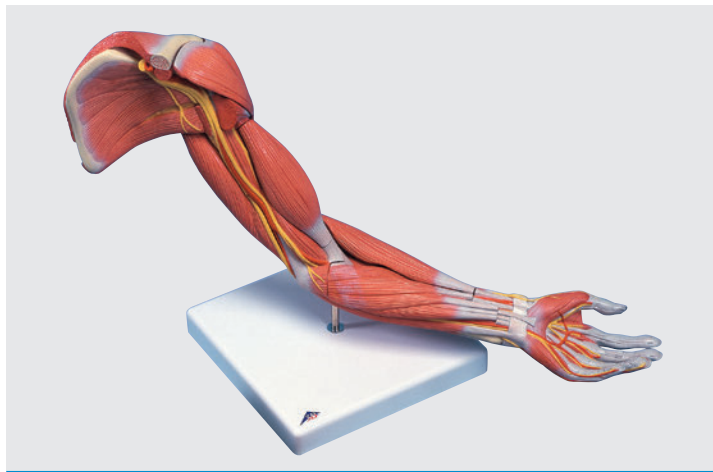
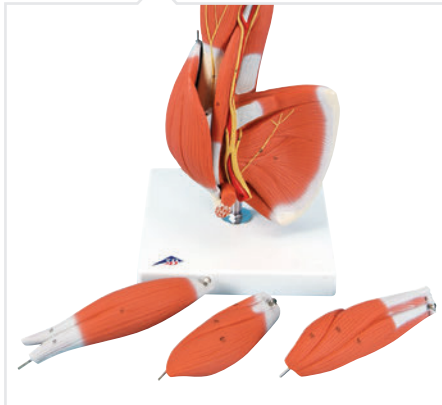
M-1000195



Muscle Arm, 6-part

This model illustrates both the superficial and deeper muscles, five of which are removable. Tendons, blood vessels, nerves and bone components of the left arm and shoulder are shown in great detail. Parts numbered. Delivered on removable stand. 60 x 18 x 18 cm; 1.9 kg

M-1000015



Deluxe Muscle Arm, 6-part

The following muscles can be detached in this life-size model:

- Deltoid muscles
 - Biceps muscle of arm
 - Triceps muscle of arm
 - Long palmar muscle with radial flexor muscle of wrist
 - Brachioradial muscle with radial extensor muscle of wrist
 - Supplied on base.
- 41 x 48 x 48 cm; 3.0 kg

M-1000347

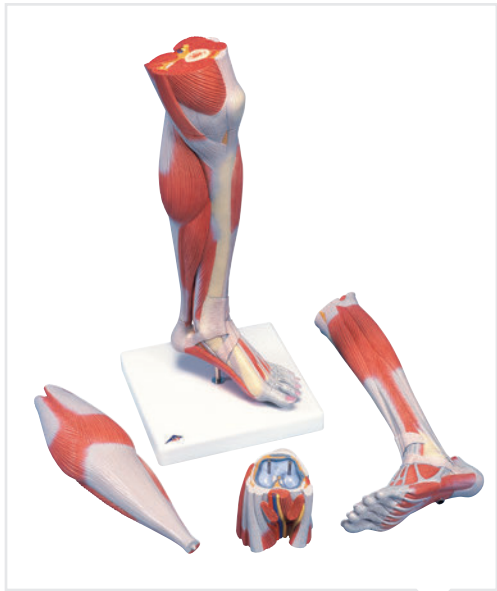
Muscle Leg, 7-part

This life-size model can be disassembled into upper and lower leg. Supplied on base. 130 x 33 x 41 cm; 7.0 kg

The following muscles can be detached:

- Long head of biceps femoris with semitendinosus muscle
- Sartorius muscle
- Gluteus maximus muscle
- Rectus femoris muscle
- Gastrocnemius muscle

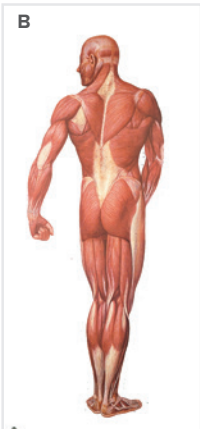
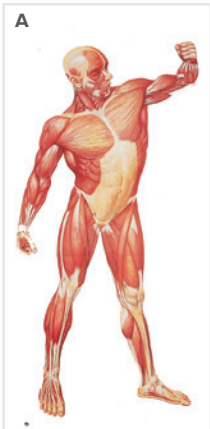
M-1000352



Lower Muscle Leg with Knee, 3-part

A unique feature of this life-size removable leg is a cross section through the knee for viewing this amazing joint. The gastrocnemius muscle can be detached. Supplied on a detachable base. 60 x 26 x 27 cm, 2.6 kg

M-1000353



3B Scientific® Human Musculature Oversized Wall Charts

Printed on tear-resistant, waterproof paper with wooden rods so they are ready to hang. Accurately rendered scientific content. 33 x 78.75"

- A. Front Side M-1001149**
- B. Back Side M-1001153**



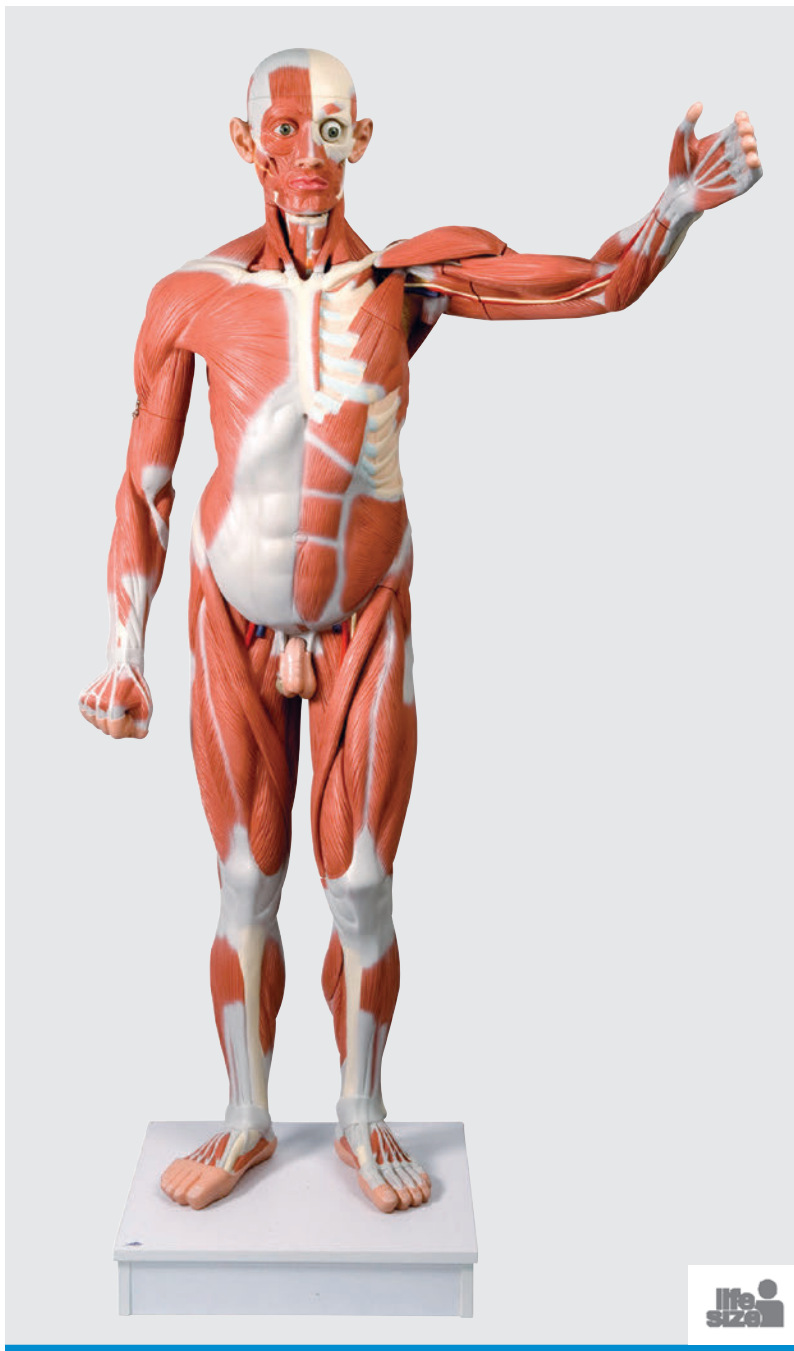
3/4 life size

Each leg and arm muscle is supplied with removable stand!

Muscle Leg, 9-part

Illustrating both the superficial and deeper muscles, eight of which are removable. Tendons, vessels, nerves and bone components of the left leg and foot are shown in great detail. Parts numbered. Delivered on removable stand.

77 x 26 x 26 cm; 4.0 kg
M-1000351



Genuine 3B Scientific® product!

Life-Size Male Muscle Figure, 37-part

This sophisticated model shows the deep and superficial musculature in great detail. Extraordinary accuracy makes this masterpiece a unique tool for instruction even in large lecture halls. Extra shipping charges may apply. 180 x 110 x 50 cm; 26.0 kg

The following parts can be removed for study:

- | | | |
|-------------------------|---------------------------|--------------------------|
| • Skull cap | • 2 Lungs | • Bladder half |
| • 6-part Brain | • 2-part Heart | • Whole intestine system |
| • Eyeball | • Diaphragm | • 2-part Penis |
| • Breast/abdominal wall | • 2-part Stomach | • 10 Muscles |
| • Both arms | • Kidney | |
| • 2-part Larynx | • Liver with gall bladder | |

M-1001235



¾ Life-Size Dual-Sex Muscle Figure, 45-part

The finest teaching tool available! Standing over 4 1/2 feet tall, this 3/4 life-size human replica depicts deep and superficial musculature in addition to the body's major nerves, vessels, tissues and organs in exquisite detail. The internal organs are removable (45 pieces in all) to reveal the fundamental interrelationships of human morphology. Remove and view the details of 13 different muscles of the arms and legs and over 600 hand-numbered structures. This dual sex muscle figure version has interchangeable genital inserts and a female mammary gland. Hand-painted and mounted on a convenient roller base. Visit 3bscientific.com for all removable parts and product manual. Extra shipping charges may apply. 138 x 50 x 32 cm; 12.4 kg

M-1013881

¾ Life-Size Female Muscle Figure, 23-part (not shown)

This Female Muscle Figure provides the same quality characteristics as the model M-1013881 above but is delivered **without internal organs**, brain, and male genitalia providing for unobstructed study of the human musculature. Extra shipping charges may apply. 138 x 45 x 32 cm; 11.2 kg

M-1013882



1/2 Life-Size Complete Dual-Sex Muscle Figure, 33-part

The complete human anatomy in a convenient size. This 84 cm high version of our deluxe muscle figure is a perfect choice for thorough demonstrations of human musculature and internal organs where space is a concern. Exquisitely hand-detailed and complete with 33 removable parts, this human muscular figure represents fine quality at a more affordable price. Painted by hand in realistic colors, this human anatomy model comes complete with stand and detailed multilingual product manual. Please see online for all removable parts. Extra shipping charges may apply. 84 x 30 x 30 cm; 5.0 kg

M-1000210

1/2 Life-Size Complete Female Muscle Figure, 21-part

Offering the same exceptional value as our model M-1000210, this version is delivered without internal organs, brain and male genitalia. Extra shipping charges may apply. 84 x 30 x 30 cm; 4.1 kg

M-1000211

Great study aid!

The Muscular System Flash Cards

Learning and information system for self-teaching purposes.

- 303 Flash cards with 315 illustrations
- Each muscle illustrated separately
- Clearly structured, inexpensive, effective
- Identification of origin, insertion, nerve, function, synergists, and antagonists
- Printed on 3 x 5" sturdy card stock
- In sturdy, hard plastic index-card box

M-1003741



39 amazingly detailed components!

Life-Size Dual-Sex 39-Part Human Figure

This life-size (68") male/female model facilitates an understanding of human anatomy like no other model in the world! The dissectible human features a torso which has the skin removed from one half showing the underlying musculature of the chest, back, abdomen, head, and neck. The front wall of the torso detaches to reveal the inner structures and organs in tremendous detail. In all, 39 component parts can be dissected from the model. Comes with wooden roller base. Extra shipping charges may apply. 174 x 74 x 70 cm; 28 kg

All removable parts:

- 2-part Head
- Brain half
- M. Sternocleidomastoideus
- M. Deltoideus
- M. Biceps brachii
- M. Triceps brachii
- M. Palmaris longus with M. Flexor carpi radialis
- M. Brachioradialis with M. Extensor carpi radialis
- Skin of the left arm
- Muscled leg, upper part
- Muscled leg, lower part
- Skin of the left leg
- Abdominal cover
- Mammary gland
- 2 Removable lungs
- 2-part Removable heart
- Removable liver
- 2-part Removable stomach
- Removable kidney half
- 4-part Removable intestines
- 3-part Female genital w/ embryo
- 4-part Male genital
- M. Satorius
- M. Gluteus maximus
- M. Rectus femoris
- M. Gastrocnemius
- M. Biceps femoris cap.
- L. With M. Semitendinosus

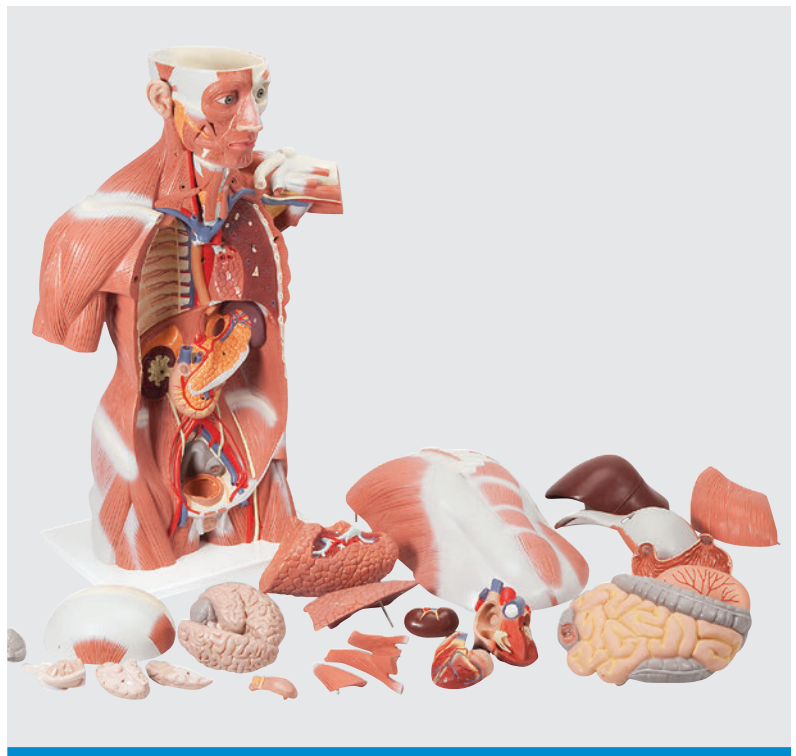
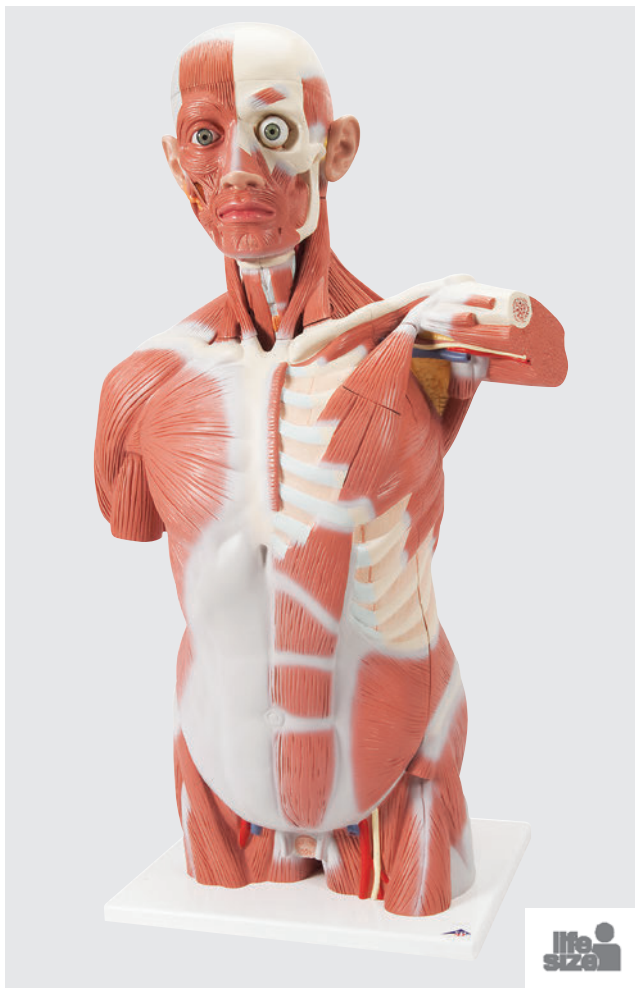
M-1000209

Free software included with this figure!



Connect with us!



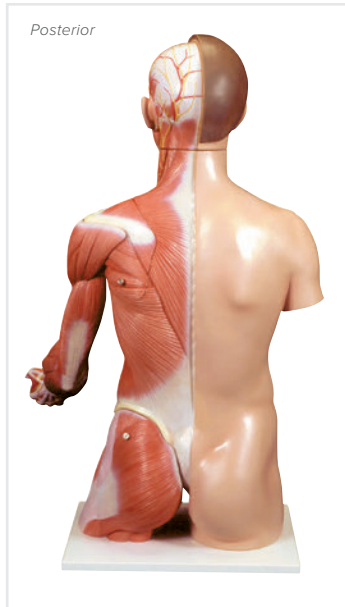


Bestseller

Life-Size Muscle Torso, 27-part

This muscle torso is designed to meet your high demands by showing the deep and superficial muscles in great anatomical detail. With the muscle torsos extraordinary accuracy and life size presence, this muscular masterpiece is a distinctive aid for anatomic demonstrations even in large lecture halls. Please see online for all removable parts. 95 x 60 x 35 cm; 14.0 kg

M-1001236



Life-Size Dual-Sex Torso with Muscle Arm, 33-part

A worldwide unique feature of this life-size torso is the removable 6-part muscle arm. This first-rate model fully represents the anatomy of the complete human upper body. Its great detail makes it especially suitable for the high standards of medical school. The right half shows the skin, the left half the superficial and deeper muscles with nerves, vessels and bony structures. The versatility of this aesthetically designed model is rounded off by the exact representation of the internal organs. See online for all removable parts. 90 x 55 x 60 cm; 15.5 kg

M-1000205



View 15 axial sections from any angle

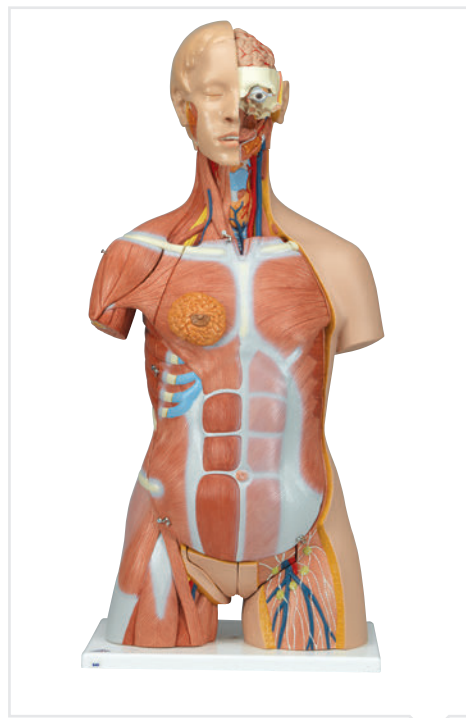
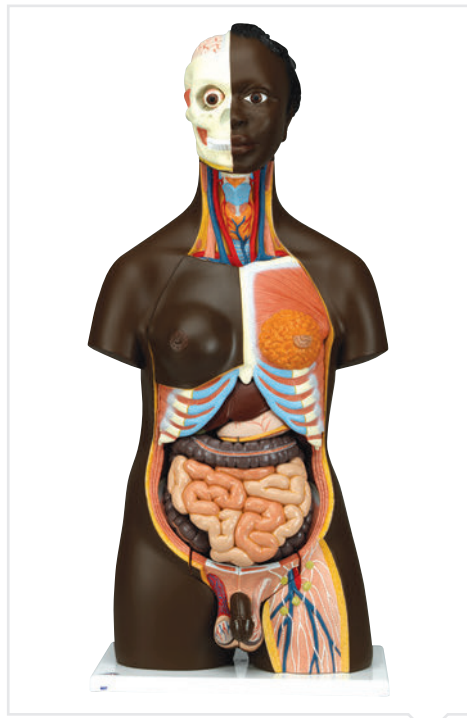
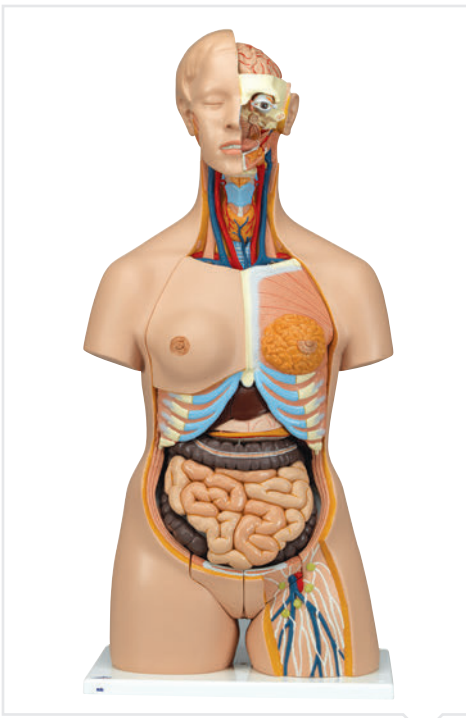
MRI Torso

This extraordinary design presents a view of the human body developed using modern imaging techniques such as ultrasound, CT scans, and MRI tomography. The 15 full-color axial sections through the human body each accurately depict the features of a particular section. The individual slices are mounted on pivoting spokes and permit viewing and inspection from any angle, they can even be removed. The results are a brand new understanding of human anatomy that is both interesting and engaging for students.

130 x 40 x 35 cm; 11.5 kg

M-1001237





Authentic 3B Scientific® Torsos mean quality and value at great low prices!

Signature Dual-Sex Torso, 24-part

Need even more features? Comes with the 3B Scientific® Guide to the Human Torso. 87 x 38 x 25 cm; 7.7 kg

This advanced version features all removable parts found in our popular torso M-1000197 plus the following upgrades:

- 3-part Head
- 2-part Stomach
- 4-part Intestine system

M-1000196



Signature Dual-Sex African Torso, 24-part

The same features as M-1000196, in African skintone. 87 x 38 x 25 cm; 7.5 kg

M-1000202

Signature Female Torso, 20-part (not shown)

All the features of the M-1000197, but including only the 3-part female genitals with removable fetus. Supplied with the 3B Scientific® Guide to the Human Torso.

M-1000185

Signature Male Torso, 20-part (not shown)

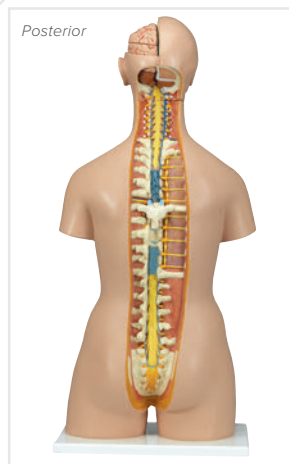
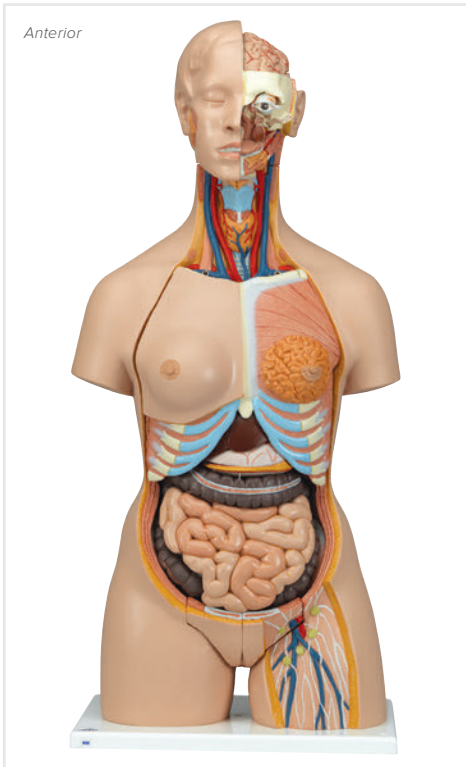
All the features of the M-1000197, but including only the 4-part male genitals. Supplied with the 3B Scientific® Guide to the Human Torso.

M-1000191

Signature Dual-Sex Torso with Opened Back, 28-part

This torso has it all! Removable male and female genital inserts, opened neck and back section to study vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries etc., a deluxe head with 4-part brain and much more! A detailed torso for advanced demonstrations. See online for all removable parts. 87 x 38 x 25 cm; 7.6 kg

M-1000200



Signature Dual-Sex Muscle Torso, 31-part

This unique torso depicts both the superficial and deep muscles. The two main muscles, the deltoid and gluteus maximus can even be removed for closer studies. You can also study the vertebrae, the spinal cord, spinal nerves and vertebral arteries, exchange the male and female genital inserts, discover the internal structures of the brain and much more. Supplied with the the 3B Scientific® Guide to the Human Torso. 87 x 38 x 25 cm; 8.5 kg

M-1000203



Signature Dual-Sex Torso, 20-part

The quality of this Dual-Sex Torso is impressive – and so is the price! Comes with the 3B Scientific® Guide to the Human Torso. 87 x 38 x 25 cm; 7.3 kg

Use this Torso to answer all questions about the inside story of our bodies by removing and dissecting the following parts:

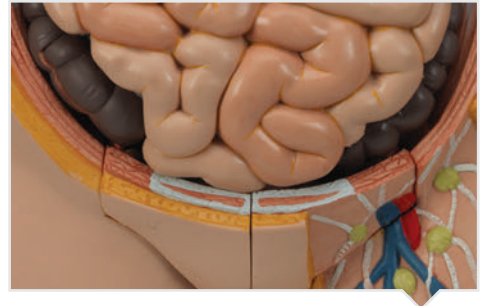
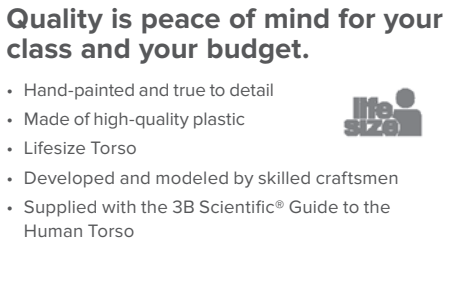
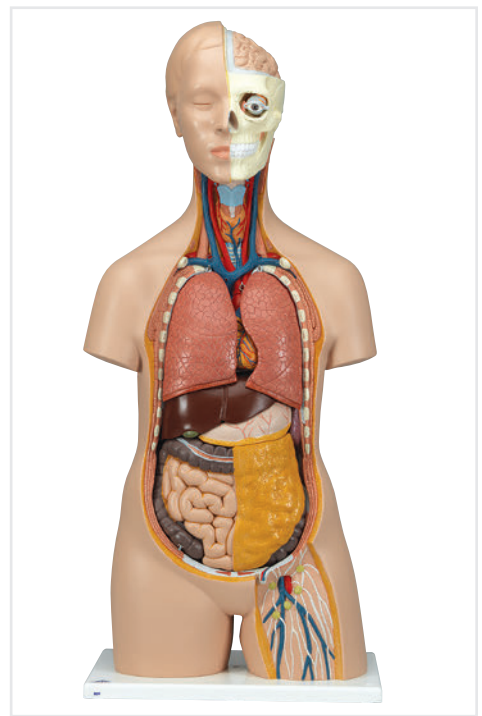
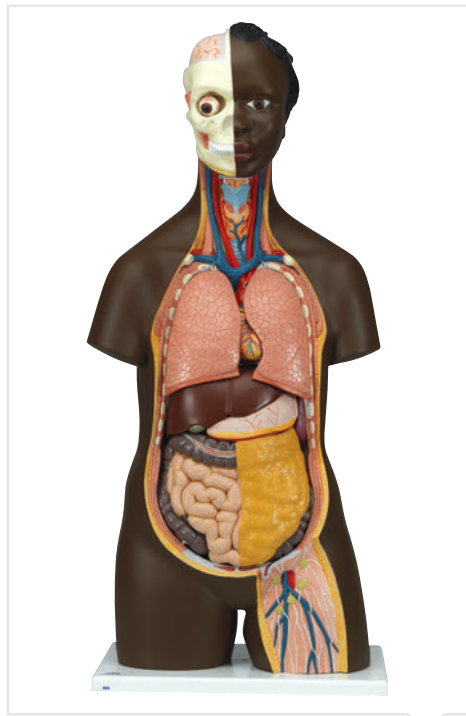
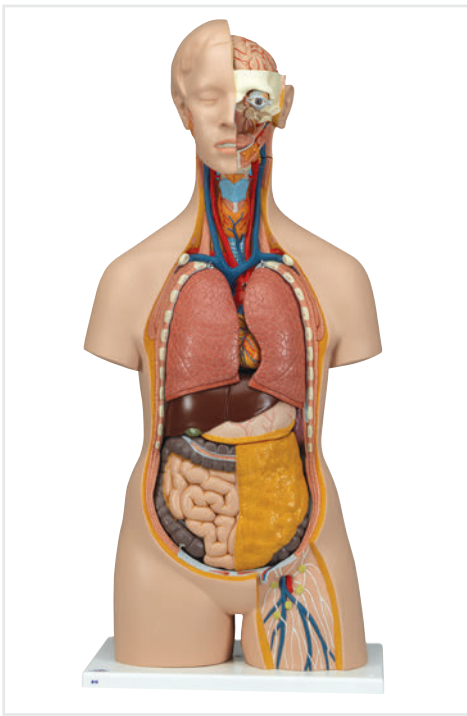
- 2-part Head
- Female breast covering
- 2 Lungs
- 2-part Heart
- Stomach
- Liver with gall bladder
- 2-part Intestinal system
- Front kidney half
- 4-part Male genital insert
- 3-part Female genital insert with fetus

M-1000197



Connect with us!





Classic Unisex Torso, 14-part
This popular school torso is supplied with the following removable parts:

- 3-part Head
- 2 Lungs
- 2-part Heart
- Stomach
- Liver with gall bladder
- 2-part Intestinal tract
- Front half of kidney
- Front half of urinary bladder

M-1000190

Quality is peace of mind for your class and your budget.

- Hand-painted and true to detail
- Made of high-quality plastic
- Lifesize Torso
- Developed and modeled by skilled craftsmen
- Supplied with the 3B Scientific® Guide to the Human Torso



Classic African Unisex Torso, 14-part
 The same features as M-1000190, in dark skintone.
 87 x 38 x 25 cm; 5.9 kg

M-1000201

Classic Unisex Torso, 11-part (not shown)
 Same as M-B09, but without head. 70 x 38 x 25 cm; 5.5 kg

M-1000189

Classic Unisex Torso, 10-part (not shown)
 Same as M-B09, but without head. 70 x 38 x 25 cm; 4.1 kg

M-1000187

C. Classic Unisex Torso, 12-part
The following components of this torso are removable:

- 2-part Head
- 2-part Removable heart
- 2 Lungs
- Stomach
- Liver with gall bladder
- 2-part Intestinal tract
- Front half of kidney

87 x 38 x 25 cm; 4.6 kg

M-1000186



2-part Head

The skull is exposed in the region of the cerebrum to show the brain.

- Removable eyeball with optic nerve



3-part Head

The nose and mouth cavities are exposed to the pharynx for detailed studies. The skull cap is exposed to show the inner structures of the skull.

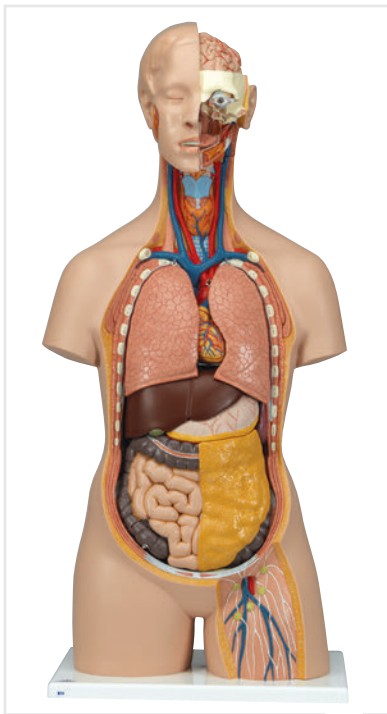
- Removable brain half with arteries
- Removable eyeball with muscles, ligaments and the optic nerve



6-part Head

On this head, the occiput and the skull cap are exposed to show the inner structures of the skull.

- Removable 4-part brain half with arteries; frontal with parietal lobe; temporal with occipital lobe; half of brain stem and half of cerebellum
- Removable eyeball with muscles, ligaments and the optic nerve



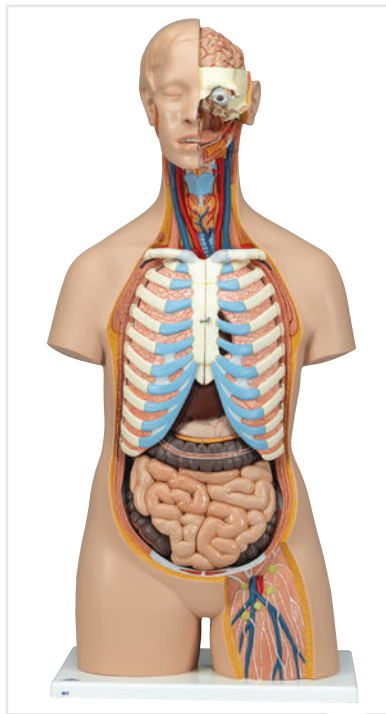
Classic Unisex Torso with Opened Neck and Back, 18-part

Based on our M-1000190 torso, this model is characterized by its open neck and back section reaching from the cerebellum to the coccyx. Vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, and many other features are represented in detail and can be studied closely. 87 x 38 x 25 cm; 5.8 kg

It contains the following new features additionally to :

- 7th Thoracic vertebra removable
- 6-part Head

M-1000193



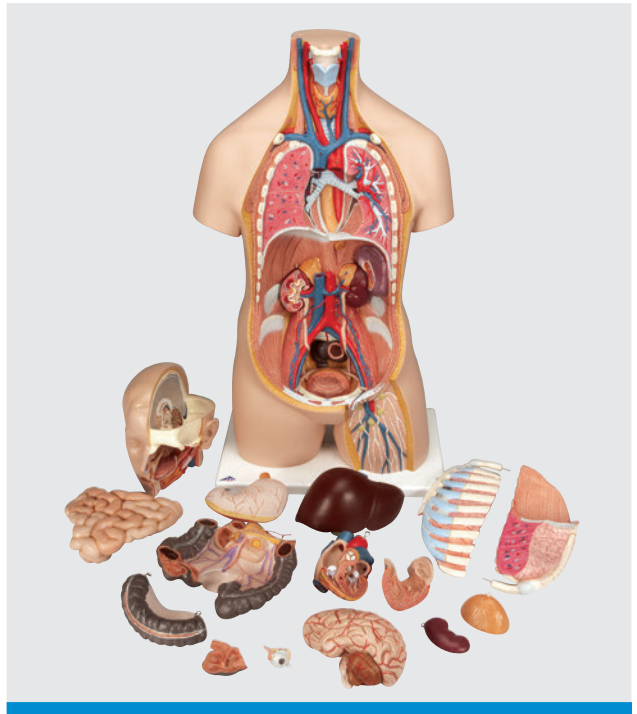
Classic Unisex Torso with Open Back, 21-part

This torso is based on the M-1000188 version for students and is equipped with an open neck and back section going from the cerebellum to the coccyx. Vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, and many other features are represented in detail. 87 x 38 x 25 cm; 6.5 kg

This version contains the following new features in addition to M-1000188:

- 7th Thoracic vertebra removable
- 6-part Head
- 2-part Stomach

M-1000192



Our most comprehensive classic Torso!

Classic Unisex Torso, 16-part

This torso is especially popular among students. It shows the human anatomy in great detail and contains the following removable parts:

- 3-part Head
 - 2 Lungs with sternum and rib attachments
 - 2-part Heart
 - Stomach
 - Liver with gall bladder
 - 4-part Intestinal tract
 - Front half of kidney
 - Front half of urinary bladder
- 87 x 38 x 25 cm; 6.8 kg

M-1000188



Guide to the Human Torso

Get "inside" the human torso and open a whole new world of kinesthetic learning. Detailed coverage of individual systems and organs of the human body in a user-friendly format. This is a resource for students as well as teachers of anatomy and physiology. Teaching or learning another language? The Guide has you covered in English, Latin, Spanish, German, French, Portuguese and even Japanese.

More Great Features:

- Brilliant colored pictures of each part of the torso
- Detailed explanations of even the smallest anatomical structures
- Valuable teaching tips to create more interesting lessons
- Includes all content on a CD-ROM in PDF format to assist in creating tests, or preparing lessons, and studying
- Sturdy 3-ring style binder for storage and organization

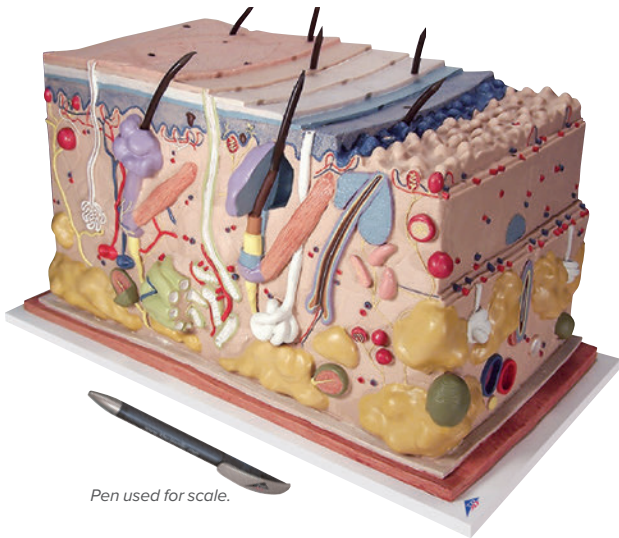
M-1000183



Heavy Duty Protective Cover for Torso

Protect your investment with this heavy duty protective cover for your torso models. Suitable for all full-size torsos. Zippered with reinforced easy-carry handle. Black.

M-1018402



Pen used for scale.

Skin Block Model, 70 times Full-Size

This distinctive model shows a section of human skin in three dimensional form. Individual skin layers are differentiated and important structures such as hair, sebaceous and sweat glands, receptors, nerves, erector pili muscles and vessels are shown in great detail. Mounted on baseboard. 44 x 24 x 23 cm; 3.6 kg

M-1000291

Bestseller

Skin, Hair, and Nail Microscopic Structures

This model shows the microscopic structure of the skin in great detail. Both hairless and hairy skin structure are shown as well as the different cell layers of the skin, embedded sweat glands, touch receptors, blood vessels, nerves, erector pili muscle, and a hair follicle. In addition to these details, a section of nail is shown on the base depicting the nail plate, bed, and root. Completing the skin model is a representation of a hair root with all of its cellular layers. 10 x 12.5 x 14 cm; 0.35 kg

M-1000292



Skin Section, 70 Times Full-Size

This relief model shows a section through the three layers of the hair-covered skin of the head. 26 x 33 x 5 cm; 1.0 kg

Delivered on base it shows:

- Sweat glands
- Nerves
- Vessels
- Representation of hair follicles with sebaceous glands
- Receptors

M-1000289

3-Part Skin Model

All three models are located on a common base, can be removed individually, and can be attached together via magnets to show the interrelationships. Distinctions within the skin are illustrated with regard to the positions on the human body such as the palm of the hand, back of the hand and scalp. See online for full description.

M-1000294

3 Models in 1!



Skin Cancer Model

This 3B Scientific® Skin Pathology model shows healthy skin and 5 different stages of malignant melanoma on the front and back, enlarged 8 times:

- Healthy
- Malignant cells are found at the surface, within the epidermis
- Malignant cells fill the epidermis, a few invade the papillary layer
- malignant cells fill the papillary layer
- malignant cells invade the reticular layer
- malignant cells have reached the subcutaneous fatty tissue, satellite cells approach a vein

M-1000293

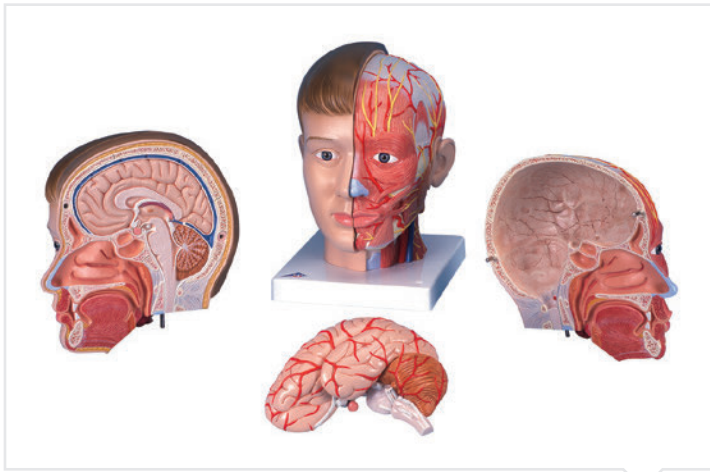


Skin Section, 40 Times Life-Size

The two halves of this relief model show the three layers of hairy and hairless skin in order to make the differences clear. Detailed with hair follicles, sebaceous glands, sweat glands, receptor, nerves, erector pili muscles and vessels. Delivered on base.

24 x 15 x 3.5 cm; 0.2 kg

M-1000290



Deluxe Head with Neck, 4-part

The left half of this life-size mid-sagittal section shows the muscles with nerves, vessels, and bony structures. It also contains a removable brain half. The head is mounted on a detachable neck, which is sectioned both horizontally and diagonally. Supplied on baseboard. 28 x 19 x 23 cm; 2.2 kg

M-1000216



Median Section of the Head

This relief model shows all relevant structures of the human head in great detail and is also delivered on a baseboard.

26 x 33 x 5 cm; 1.0 kg

M-1000219

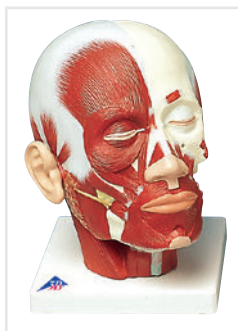


Bestseller

Half Head with Musculature

Representation of the outer, superficial, and internal (median section) structures of head and neck. Delivered on removable stand. 22 x 18 x 46 cm; 1.1 kg

M-1000221



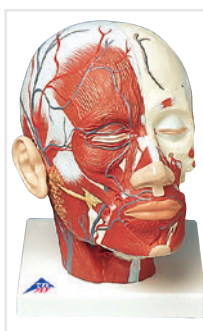
Head Musculature

Representation of the superficial musculature of head and neck showing:

- Parotid gland
- Submandibular gland
- Deep musculature
- Lower jaw partially exposed

24 x 18 x 24 cm; 1.2 kg.

M-1001239

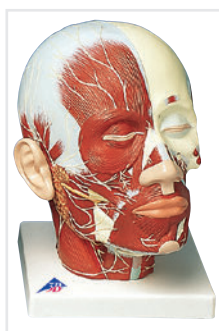


Head Musculature with Blood Vessels

All the features of M-1001239, plus a display of the blood vessels.

24 x 18 x 24 cm; 1.2 kg

M-1001240

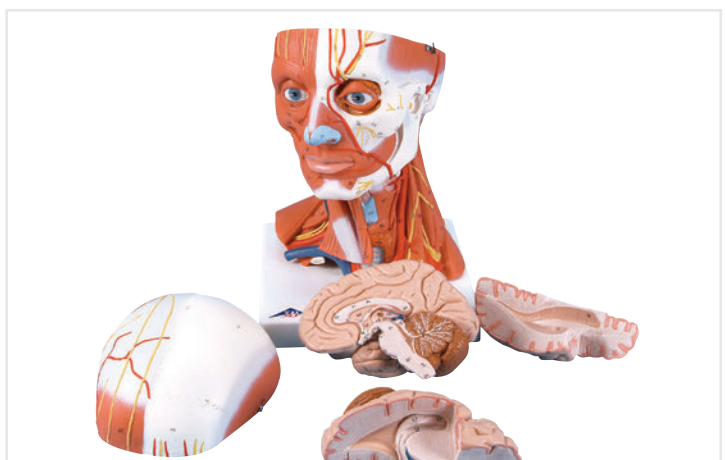


Head Musculature with Nerves

All the features of M-1001239, with an additional display of nerves.

24 x 18 x 24 cm; 1.2 kg

M-1008543



Head and Neck Musculature, 5-part

The model represents the superficial musculature and deep muscles of the head. The nerves and vessels of the head are also depicted. The head is dissectible into skull cap and 3-part brain. Delivered on a removable baseboard.

36 x 18 x 18 cm; 1.8 kg

M-1000214



This brain model fits all 3B Scientific® classic skulls so you can upgrade whenever you like!

Bestseller

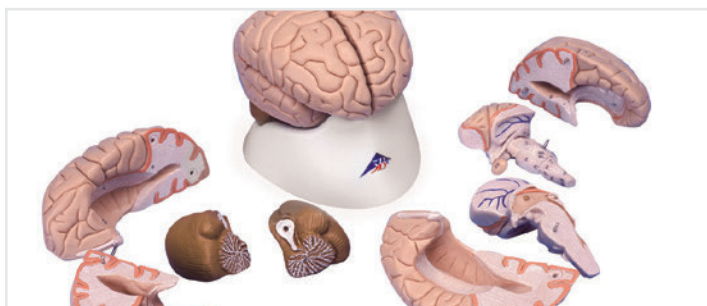
Classic Brain, 5-part

This midsagittally sectioned model is an original anatomic cast of a real human brain. Now with magnetic closures! 13 x 14 x 17.5 cm; 0.49 kg
The components of its left half are:

- Frontal and parietal lobe
- Temporal and occipital lobe
- Encephalic trunk
- Cerebellum

M-1000226

▶ **Save** when you purchase the M-1000049 Skull with Brain Model on page 23! ◀



Deluxe Brain, 8-part

A very detailed medially divided model of the human brain. On a removable base.

Both halves can be disassembled into:

- Frontal with parietal lobes
- Temporal with occipital lobes
- Half of brain stem
- Half of cerebellum

14 x 16 x 14 cm; 0.85 kg

M-1000225

Brain, 4-part

This brain is medially divided. All structures are hand-painted, numbered, and identified in an accompanying product manual. On removable base. 14 x 14 x 17.5 cm; 0.9 kg

The right half can be disassembled into:

- Frontal with parietal lobes
- Brain stem with temporal and occipital lobes
- Half of cerebellum

M-1000224



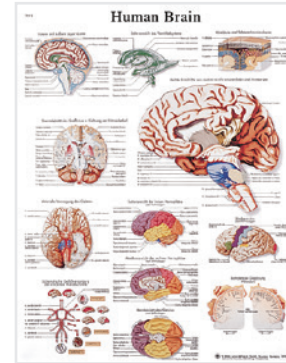
Deluxe Brain with Arteries, 9-part

This medially divided deluxe brain model shows the brain arteries as well as the detachable basilar artery. On a removable base. 14 x 16 x 14 cm; 0.9 kg

Both halves can be disassembled into:

- Frontal with parietal lobes
- Half of brain stem
- Temporal with occipital lobes
- Half of cerebellum

M-1017868



Human Brain Chart

50 x 67 cm (20 x 26")

Laminated M-1001584

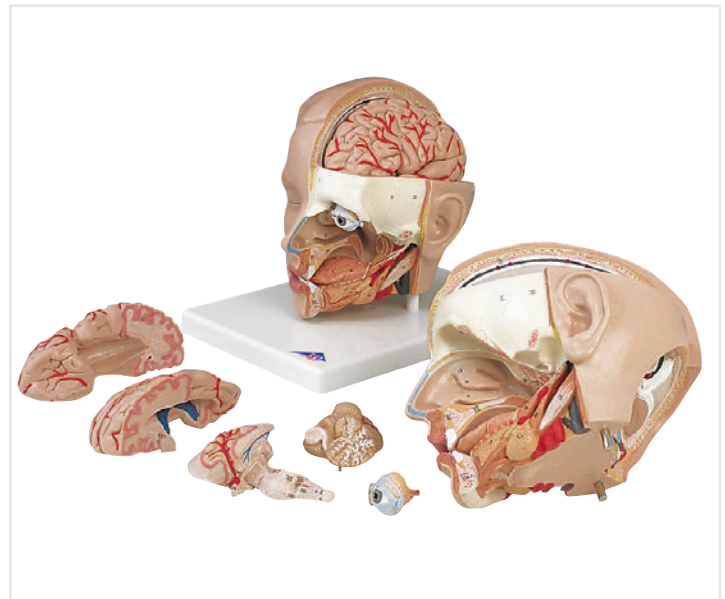


Deluxe Brain with Arteries on Base of Head, 10-part

This deluxe brain comes with an opened head to allow detailed study of the brain's position in the skull. The head is horizontally divided above the skull base. The brain is divided medially, with a removable basilar artery. Both halves can be divided into frontal parietal lobes, temporal with occipital lobes, and half of cerebellum.

15 x 15 x 23 cm; 1.6 kg

M-1017869



Deluxe Head Model, 6-part

Our most detailed head model! This life-size 6-part head is mounted on a base and features a removable 4-part brain half with arteries. The eyeball with optic nerve are also removable. One side exposes the nose, mouth cavity, pharynx, occiput, and skull base.

19 x 23 x 22 cm; 1.0 kg

M-1000217



Brain Ventricle

This life-size model shows both lateral ventricles, the 3rd and 4th ventricle, and the aquaeductus cerebri (Sylvius). On stand.

14 x 11 x 14cm; 0.6 kg

M-1001262

Did you know that 3B Scientific is represented in more than 100 countries worldwide. Learn more about us at [3bscientific.com!](http://3bscientific.com)



Neuro-Anatomical Brain, 8-part

This deluxe brain is medially divided. On the right half you will find a colored, systematic grouping and representation of the cerebral lobe. Delivered on removable base. 14 x 17 x 20 cm; 0.94 kg

The left half shows:

- Pre- and post-central region
- Broca and Wernicke areas
- Heschl's gyrus
- Brain nerves
- Ventricles

Both halves can be disassembled into:

- Frontal with parietal lobes
- Temporal with occipital lobes
- Half of brain stem
- Half of cerebellum

M-1000228

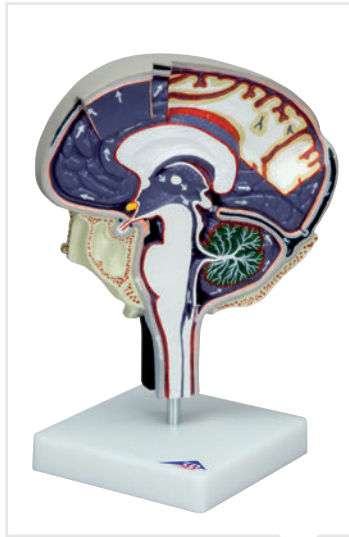
Double-sided brain sections!



Brain Section

An enlarged and very detailed section through the right half of the brain, including a portion of the skull. The pia mater has been removed. This model is double sided and finely colored. One surface is on the median line, including a section of the falx cerebri. A sagittal cut on the reverse side exposes the lateral ventricle. There are 49 references on the model, identified in English on an accompanying product manual. Mounted on a stand. 25 x 18 x 12 cm; 0.9 kg

M-1005113



Cerebrospinal Fluid Circulation

Enlarged, detailed model of a section through the right half of the brain showing the cut pia mater, arachnoid and dura mater. The model has the cerebrospinal fluid areas clearly identified and the direction of flow indicated by arrows. Bright colors to distinguish important features; identified in English in an accompanying product manual. Mounted on stand. 25 x 18 x 12 cm; 0.9 kg

M-1005114



This massive brain is truly memorable!

Giant Brain, 2.5 Times Life-Size, 14-part

At 2.5 times life-size this comprehensive brain model is a very useful teaching aid, especially for large groups of students. All structures of the brain and the ventricles are visible through median, frontal, and horizontal divisions. Delivered with a removable base. 34 x 30 x 37 cm; 5.6 kg

- Unbreakable – Natural cast made from durable vinyl
- Fourteen removable segments secured with pins
- Ideal for 3D study of brain structures
- Includes removable base and detailed product manual

M-1001261



Rat Brain Comparative Anatomy

Enlarged roughly six times, and medially sectioned, the rat brain model can be disassembled into two halves. The right half of the color-coded model shows the structures of the cerebrum, cerebellum, and brain stem. The left half is largely transparent with a view of the left lateral ventricle and hippocampus in the median section. For comparison, a natural cast of a rat brain and a didactic, small-scale illustration of a human brain in median section are shown on the base. Each has the same color coding used for the various regions. 14 x 10 x 16 cm; 0.24 kg

M-1000230

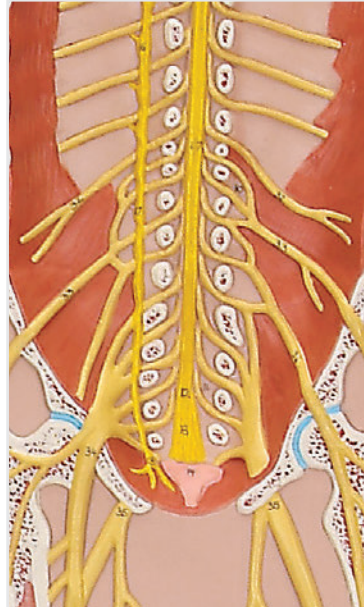
Bestseller

Nervous System

An excellent model to study the structure of the human nervous system. 3D relief model shows schematic representation of the central and peripheral nervous system.

80 x 33 x 6 cm; 3,5 kg

M-1000231



Physiology of Nerves

This five model series from 3B Scientific® is unique in the world. Interchangeable sections can be assembled to illustrate the features of typical neurons found in vertebrates. All sections depict the neural components in vivid colors and attach magnetically to the illustrated base.

68 x 51 x 10 cm; 4,2 kg.

The set contains the following sections, which are also available individually:

- Neuron Cell Body
- Myelin Sheaths of the CNS
- Schwann Cells of the PNS
- Motor End Plate
- Synapse

M-1000232



Giant Functional Center Brain, 4-part

This popular brain model reproduces the brain of a right-handed person. It employs contrasting colors and hand-lettered captions to identify motor and sensory functional centers. In addition to focusing on the intellectual role of the dominant left brain, and the creative role of the right, the model highlights the emotional, sexual, memory, and learning functions of the limbic system. Sensory regions and centers receptive to 20 specific body regions are distinguished, as are the motor centers controlling 19 body regions. More than 120 hand-numbered features are identified in the corresponding key. On base. 20 x 20 x 25 cm; 2,4 kg

M-1005555

Motor Neuron Diorama

Magnified over 2,500 times. This color-coded, three-dimensional reproduction shows a motor nerve cell situated within a milieu of interacting neurons and a skeletal muscle fiber. The membranous envelope is cut away from the neuron to expose the cytological ultrastructure, organelles, and inclusions within the cell body. A section of the axon lifts off to let you view the tightly wound layers of the enveloping myelin sheath and neurolemma, as well as the Schwann cell which formed them. Via a cutaway view, you can observe synaptic vesicles, carrying neurotransmitters, about to stimulate the muscle fiber to action. Mounted on a wooden base. 43 x 20 x 28 cm; 3 kg

M-1005553



Median and Frontal Section of the Head

The perfect model to learn structure location. Two relief models on baseboard showing all relevant structures of the human head in great detail.

41 x 31 x 5 cm; 1,1 kg

M-1000220



Bestseller

Classic Eye, 3 times Full-Size, 6-part

On circular base. 9 x 9 x 15 cm; 0,1 kg

This model dissects into the following parts:

- Both halves of sclera with cornea and eye muscle attachments
- Both halves of choroid with iris and retina
- Lens
- Vitreous humour

M-1000259



Giant Eye in Base of Bony Orbit, 5 Times Full-Size, 7-part

With the same features as M-1000259 and delivered on a square base of bony orbit. 18 x 18 x 20 cm; 1,0 kg

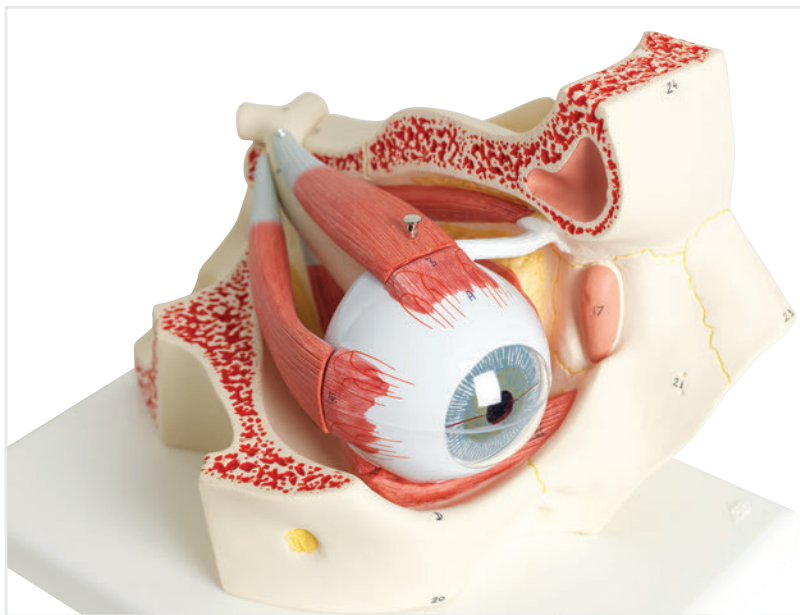
M-1000256

MICROanatomy™ Eye

The model illustrates the microscopic structure of the retina with choroid and sclera. The left, block-like, layered side of the model shows the complete structure of the retina including the supplying vascular layer and parts of the sclera from a lighted microscopic view. The right part of the model, a sectional enlargement, shows the microscopic structure of the photoreceptors and the cells of the pigmented layer.

25 x 23 x 18,5 cm; 1,2 kg

M-1000260



Classic Eye in Orbit, 3 times Full-Size, 7-part

Similar to item M-1000259, this model additionally shows the optic nerve in its natural position in the bony orbit of the eye (floor and medial wall). On square base. 18 x 26 x 19 cm; 1,1 kg

M-1000258



Giant Eye, 5 Times Full-Size, 6-part

An excellent model for teaching due to its enhanced size. The same removable parts as the M-1000259. On square base.

13 x 14 x 21 cm; 0,6 kg

M-1000255



Giant Eye with Eyelid and Lachrymal System, 5 Times Full-Size, 8-part

All of the features of M-1000259 plus the eyelid, lachrymal system, on a bony orbit. On square base.

20 x 18 x 21 cm; 1,2 kg

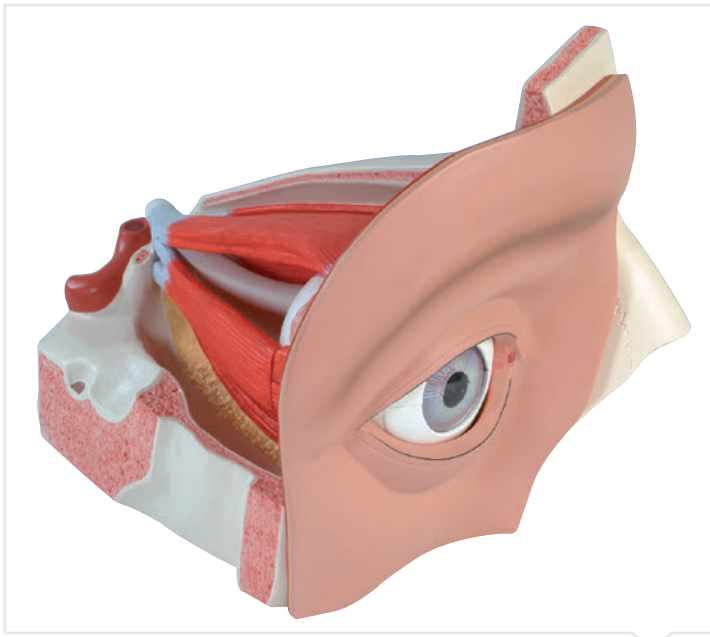
M-1000257

Colored Eye Chart

This innovative new eye chart simultaneously screens for color blindness as well as testing visual acuity. The Colored Eye Chart has proven effective in screening the two most common types of red-green color blindness: protanopia/protanomalopia and deuteranopia/deuteranomalopia, as well as the extremely rare, total color blindness. Printed on heavy, fully laminated stock, each chart is fitted with a metal eyelet for hanging. 11 X 23"

M-1018324





Eye, 5 times Full-Size, 12-part

- Both halves of the sclera
- Optic nerve
- M. rectus superior
- M. rectus lateralis
- Cornea half
- Lens
- Lachrymal system
- Vitreous humour
- Tear gland associated structures

33 x 30 x 38 cm; 4,9 kg

M-1001264



Functional Eye

With this functional eye model the functions of the human eye can be taught very effectively. By moving the retina, the shape of the eye can be changed. The lens and ciliary body are made of silicone to allow the change of form and thickness of the lens.

M-1005046

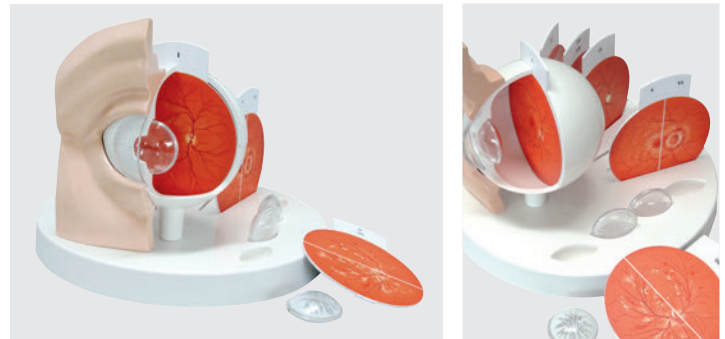


Physical Eye Model

Use to demonstrate the optical functions of the eye, e.g. representation of an object on the retina, accommodation, short-sightedness and far-sightedness. 49 x 5.5 x 18 cm; 2,0 kg

- Half eyeball with adjustable iris diaphragm, lens holder and 2 convex lenses (f = 65 mm and 80 mm), on a rod
- Half eyeball with retina (transparent screen), on a rod
- Lens holder with one concave and one convex corrective lens, on a rod
- Candle holder with 2 candles, on a rod
- Aluminium rail, 50 cm long, with 4 clamp slides
- Includes case

M-1003806



Pathological Eye - Enlarged 5 Times

This eye model is ideal for patient education. The easy to use switchable and didactically simplified representations of the retina and lens, make it possible to clearly explain the typical changes that occur in a healthy eye due to the following diseases:

- Subcapsular cortical and nuclear cataract
- Diabetic and Hypertensive retinopathy
- Papillary changes of glaucoma
- Age-related macular degeneration
- Papilloedema
- Central retinal arterial occlusion and venous occlusion
- Rhegmatogenous retinal detachment

M-1017230



Budget Functional Eye

Dimensions: 32 x 18 cm; 1,5 kg.

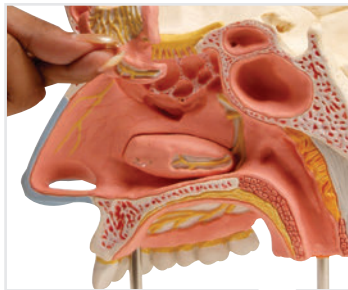
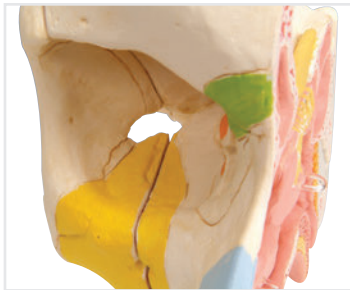
M-1005047



Functional Ear Model

This highly realistic model shows how the tympanic membrane, ossicles, the complex internal ear with the cochlea, and the oscillations of the Basilar hearing membrane operate and interact. The enclosed mirror enables operation of the model while studying various ear-functions from different angles. Includes a color explanatory chart. 30 x 20 x 15 cm; 1,0 kg.

M-1005052



Nose with Paranasal Sinuses, 5-part

The upper right half of the face is enlarged 1.5 times to illustrate the structure of the nose with paranasal sinuses. 26 x 19 x 24 cm; 0,8 kg

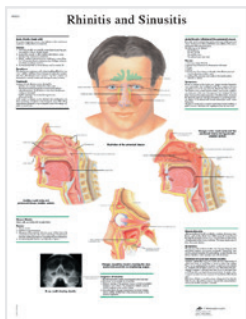
The following structures are differentiated by color and visible through the transparent removable skin:

- Outer nasal cartilages
- Nasal, maxillary, frontal, and sphenoidal sinuses
- Opened maxillary sinus when the zygomatic arch is removed

The following structures are shown in median section:

- Nasal cavity, lined with mucosa, with the (removable) nasal conchae
- Arteries of the mucous membrane
- Olfactory nerves
- Innervation of the lateral wall of the nasal cavity, the nasal conchae and the palate.

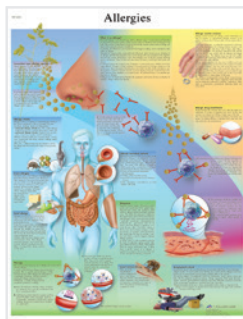
M-1000254



Rhinitis and Sinusitis Chart

50 x 67 cm (20 X 26")

M-1001504



Allergies Chart

50 x 67 cm (20 X 26")

M-1001596



The World's Largest Ear, 15 Times Full-Size, 3-part

At 15 times life-size, this 3-part ear is suitable for museums and special collections as well as large lecture halls and conferences. Representation of outer, middle and inner ear. The auditory ossicles and the labyrinth with cochlea and vestibulocochlear nerve can be removed and studied in detail. On base. 130 x 120 x 60 cm; 52 kg

M-1001266

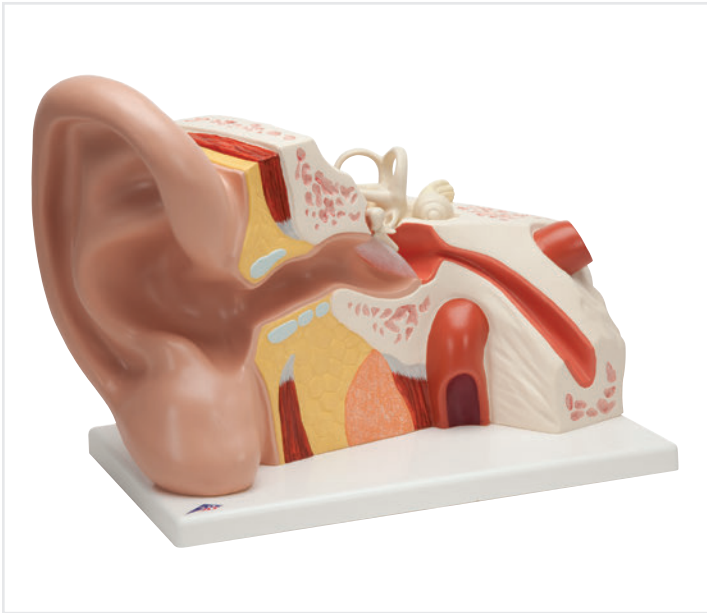
World's largest ear!



Life-size Auditory Ossicles

Cast from natural specimen, these human auditory ossicles are presented in their natural position and embedded in transparent acrylic. 0.05 kg

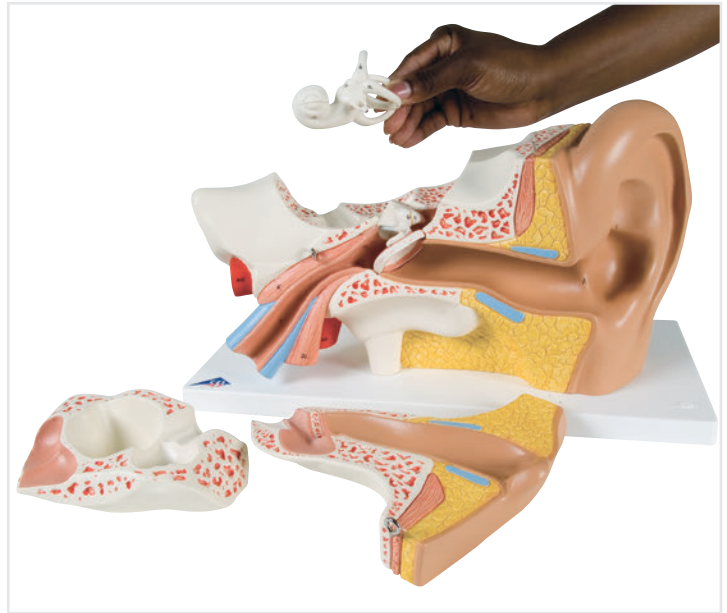
M-1000253



Giant Ear, 5 Times Full-Size, 3-part

This version is a whopping 5 times life-size for easy viewing from anywhere in the classroom! Representation of outer, middle, and inner ear. Removable auditory ossicles, labyrinth with cochlea, and vestibulocochlear nerve. Delivered on base. 25 x 41 x 25 cm; 3.0 kg

M-1008553



Giant Ear Advanced Version, 3 Times Life-Size, 6-part

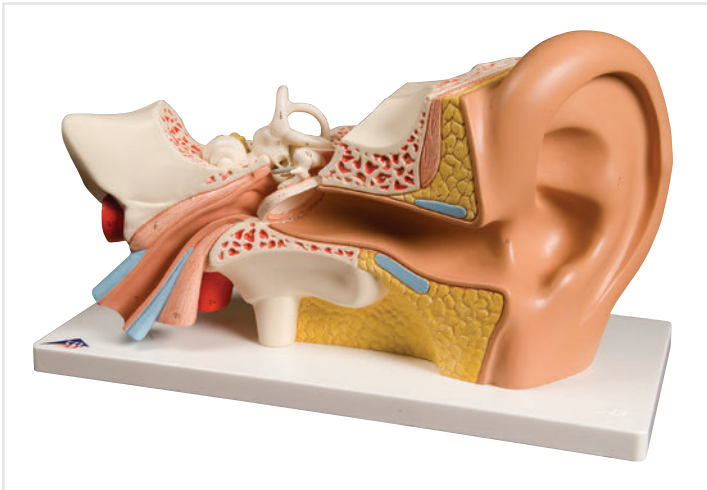
The same features as M-E10, with the addition of two removable bone sections to close the middle and inner ear. 34 x 16 x 19 cm; 1.55 kg

M-1000251

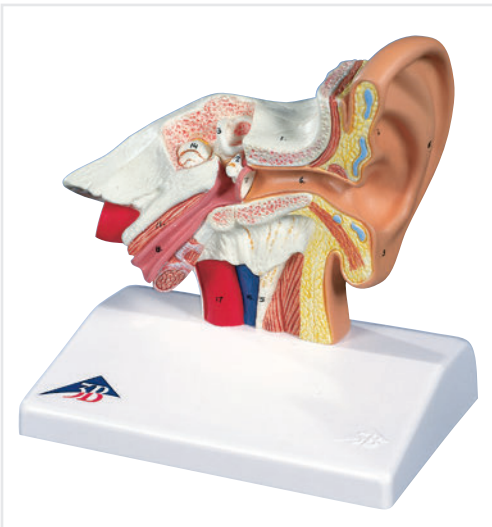
Classic Giant Ear, 3 Times Life-Size, 4-part

At approximately 3 times life-size, the model has representations of the outer, middle, and inner ear. Removable eardrum with hammer, anvil, and stirrup, as well as 2-part labyrinth with cochlea, and auditory/ balance nerve. On base. 34 x 16 x 19 cm; 1.25 kg

M-1000250



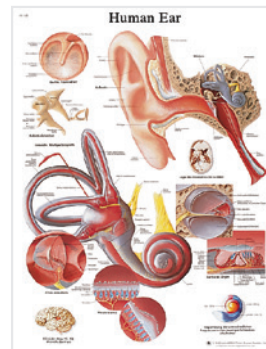
More charts available online at 3bscientific.com or see pages 136-139.



Desktop Ear Model, 1.5 Times Life-Size

Specifically designed for those on a budget, the model shows the outer, middle, and inner ear with no compromise in quality. On base. 14 x 10 x 14.7 cm; 0.35 kg

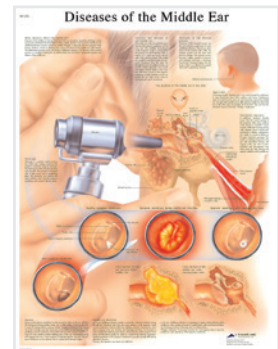
M-1000252



Human Ear Chart

Size: 50 x 67 cm (20 x 26")

M-1001500



Diseases of the Middle Ear chart

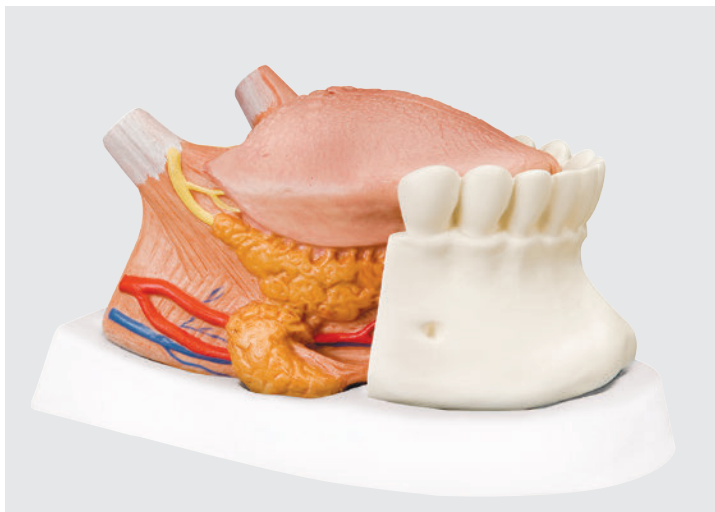
Size: 50 x 67 cm (20 x 26")

M-1001506



Connect with us!



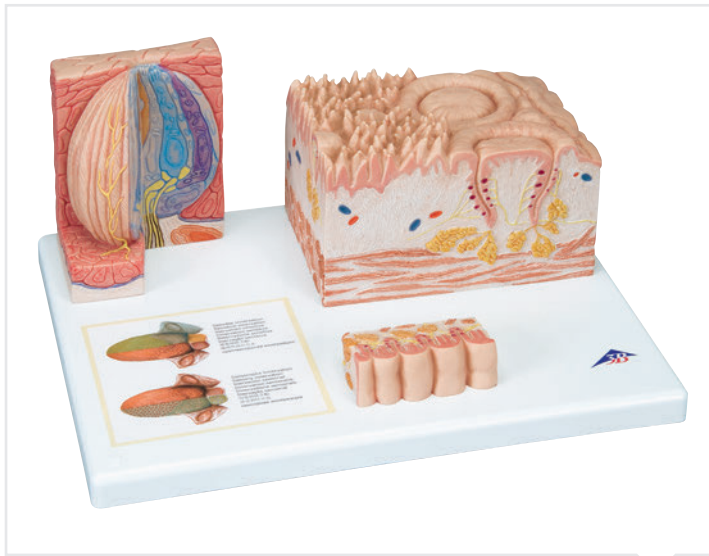


Bestseller

Tongue Model, 2½ Times Life-Size, 4-part

This model shows the lower jaw up to the second molar, the tongue with mouth floor musculature in median section and the right sublingual and submandibular gland. On removable base. 23 x 17 x 16 cm; 0.8 kg

M-1002502



MICROanatomy™ Tongue

The 3B Scientific® MICROanatomy™ of the tongue comprises a macroscopic view of the tongue (dorsal view) and microscopic views of the various papillae of the tongue and of a taste bud. All views are mounted on a base that also features an overview of the sensory and sensitive innervations of the tongue. 14.5 x 32.5 x 20 cm, 0.8 kg

M-1000247

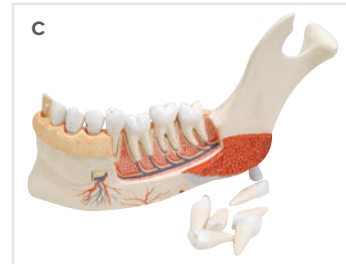
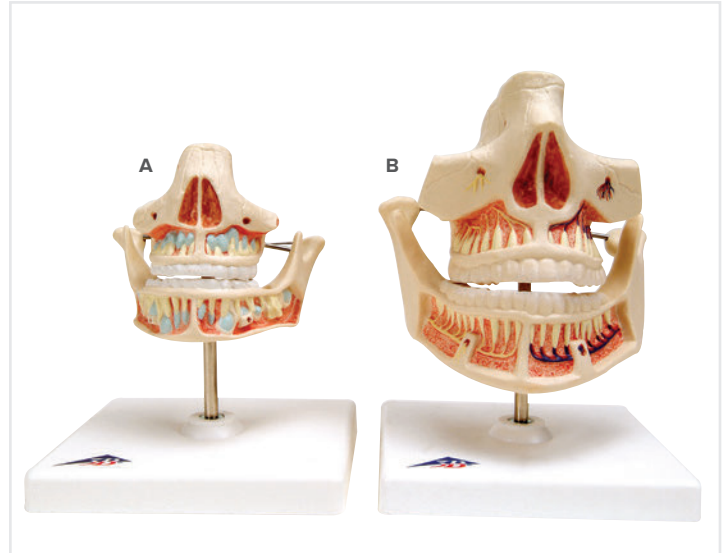
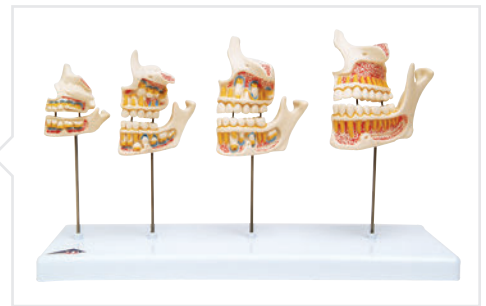
Dentition Development

Cast from natural specimens, these four upper and lower jaw halves show four different stages of development:

- Newborn
- Approx. 5-year old child
- Approx. 9-year old child
- Young adult

33 x 10 x 20 cm; 0.5 kg

M-1000248



A. Adult Dentures

Tooth roots, spongiosa, vessels, and nerves are exposed for detailed study. The lower jaw is movable. On base. 16 x 12 x 13 cm; 0.9 kg

M-1001247

B. Milk Dentures

Upper and lower jaw are opened to show the arrangement of the remaining teeth. On base. 13 x 12 x 13 cm; 0.6 kg

M-1001248

C. Advanced Half Lower Jaw with 8 Diseased Teeth, 19-part

These diseased teeth show various stages of cavities from a small and easy-to treat example on an incisor, through an advanced degradation of a molar, showing exposed root. 22 x 32 x 9 cm; 1.1 kg

M-1001250

D. Half Lower Jaw, 3 Times Full-Size, 6-part

One section of bone can be removed to expose the teeth roots, spongiosa, vessels, and nerves. The canine and first molar are removable and longitudinally sectioned. On stand. 35 x 18 x 36 cm; 1.2 kg

M-1000249



Skull with Teeth for Extraction, 4-part

The teeth of the upper and lower jaw can be extracted and replaced individually with their fully-formed roots. A bone flap on the right mandible can be opened to view the dental roots, spongiosa, nerve canal, and an impacted wisdom tooth. 22 x 13.5 x 17 cm; 0.8 kg

M-1003625



Quality products!

- Features individual teeth with roots
- Practice extraction time and again
- Naturally articulation jaw



Dental Morphology Series

At ten times life-size, this dental morphology series has removable lateral incisor, canine, first premolar, bridge made of artificial first molar with gold colored crown, and second molar. All relevant dental morphology structures are labeled. Dental morphology on transparent, jaw-shaped stand. Key card included. 70 x 25.5 x 15 cm; 2.1kg

M-1005540



Giant Molar with Dental Cavities, 15 Times Life-Size, 6-part

This model depicts an upper triple-root molar and features a longitudinal section through the crown, two roots, and the pulp cavity. Contains removable pulp and three teeth inserts with different stages of advanced cavities. On stand. 24 cm high, 1.5 kg

M-1013215



Comes with large 14" toothbrush!

Giant Dental Care Model

At 3-time life-size, this model is large enough to be seen from the back of a classroom. It shows the upper and lower half of an adult's dentition. Teach proper cleaning techniques using the giant 14" toothbrush included with this model. 18 x 23 x 12 cm; 1.5 kg

M-1000246

Replacement Parts

Giant 14" Toothbrush

M-4000098



Individual Classic Tooth Models

These tooth models show five representative types of adult dentition individually mounted on removable stands.

E. Lower Canine, 2-part

M-1000241

F. Lower Twin-Root Molar, 2-part

M-1000243

G. Upper Triple-Root Molar, 3-part

M-1017580

H. Lower Incisor, 2-part

M-1000240

I. Lower Single-Root Pre-Molar

M-1000242



Dental Disease, 21-part

Based on a lower jaw with soft gums and 16 removable teeth. One half of the model shows eight healthy teeth and healthy gums. One part of the front bone section can be removed from the dental disease model to view the roots, vessels and nerves. Two molars are sectioned along the length to show the inside of the tooth. Delivered on a base. 25.5 x 18.5 x 18 cm; 0.6 kg

The other half shows the following dental diseases:

- Dental plaque
- Dental calculus (tartar)
- Periodontitis
- Inflammation of the root
- Fissure, approximal and smooth surface caries

M-1000016



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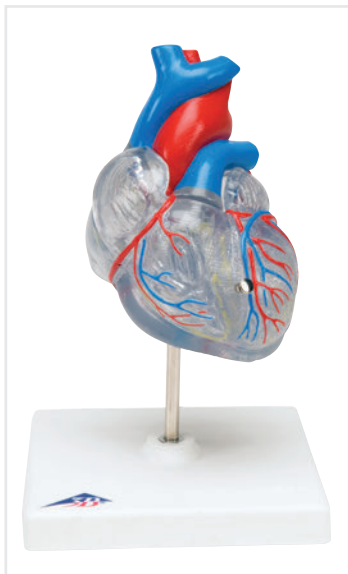


Bestseller

Classic Heart, 2-part

Our Classic Heart is highly detailed and at a price you will love. Just slightly smaller than life-size with exquisite detail throughout including ventricles, atria, valves, veins, and the aorta. The front heart wall is detachable to reveal the chambers and valves inside. On stand. 19 x 12 x 12 cm; 0.3 kg

M-1017800



Durable & virtually unbreakable!

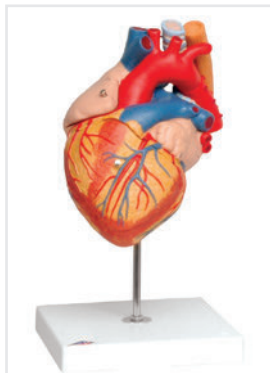
Classic Heart with Conducting System, 2-part

This unique transparent model shows the anatomy of the heart complete with its conducting system represented in color. The front heart wall is removable and the entire heart can be removed from the stand. 19 x 12 x 12 cm; 0.2 kg

M-1000266

Choose from these great features:

- Models rotate or lift off for closer inspection
- Full-size, over-size and reduced in size
- From two to ten removable parts



Heart with Bypass, 2 Times Life-Size, 4-part

This 2 times life-size heart is great for large lecture halls or classrooms. The front heart wall can be removed to view the inner chambers. In addition, this model shows a venous bypass to the ramus postero-lateralis of the right coronary artery, to the ramus interventricularis ant. of the left coronary artery with branching to the ramus diagonalis as well as a bypass to the ramus circumflexus of the left coronary artery. On removable stand.

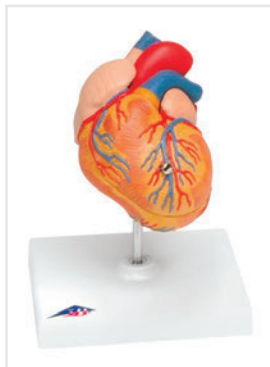
32 x 18 x 18 cm; 1.1 kg

M-1000263

Classic Heart with Bypass, 2-part

With all the features of the M-1000264, but also includes venal bypasses to the right coronary artery, to the ramus interventricularis anterior, and also to the ramus circumflexus of the left coronary artery, which are shown in color. This model is a great aid in explaining coronary heart disease. On removable stand. 19 x 12 x 12 cm; 0.35 kg

M-1017837



Classic Heart with Left Ventricular Hypertrophy (LVH), 2-part

In addition to all the features of item M-1017800 this unique model shows the long-term effects of increased heart activity due to high blood pressure. The muscular wall of the left heart ventricle is considerably thickened and the tip of the heart is visibly rounded off. On removable stand. 20 x 15 x 16 cm; 0.45 kg

M-1000261

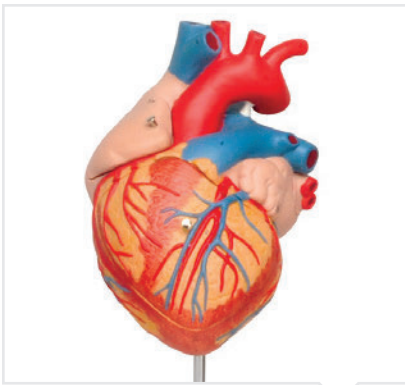


Fits together with magnet connections!

Heart Model, Natural Size

Now, in one detailed model, the study of diastole and systole is finally made straightforward and convenient. This unique dissection makes the viewing of the cardiac valves during diastole with closed pulmonary aortic valves and opened mitral tricuspid valves easier than ever before. In addition to this the closed mitral tricuspid valves and opened pulmonary aortic valves during systole are represented in a second model located on the base. Please see online for full description. 25 x 21 x 13 cm; 1.52 kg

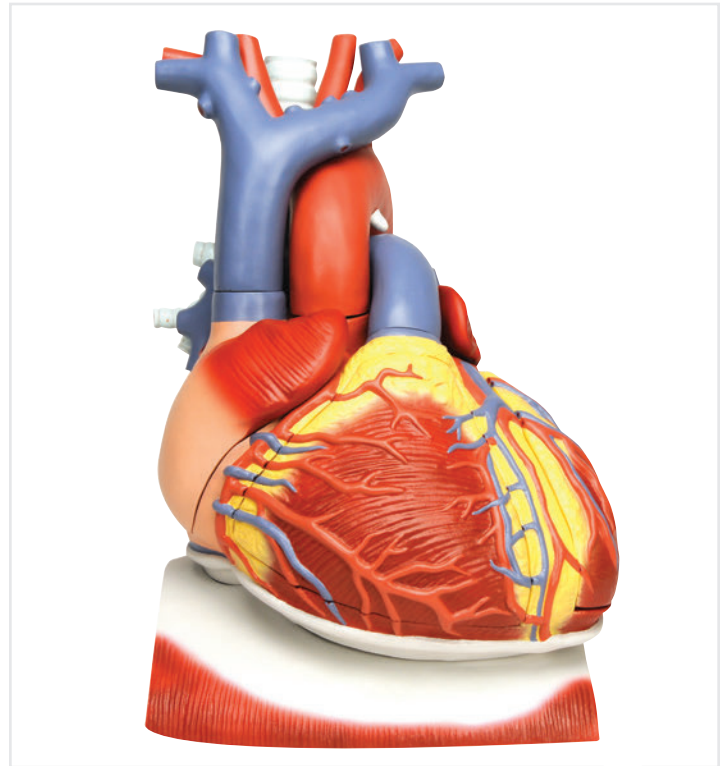
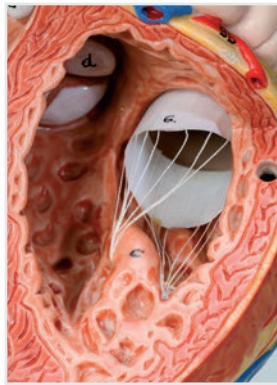
M-1010006



Giant Heart 2 Times Life-Size, 4-part

Our 2 times life-size Giant Heart allows very easy identification of all structures and is a perfect aid for lessons in big classrooms or lecture halls. The anatomy of the human heart is shown in great detail with ventricles, atria, valves, veins, and the aorta. The front heart wall can be removed to reveal the chambers and valves inside. Comes with a removable base and a multilingual product manual. 32 x 18 x 18 cm; 1,3 kg

M-1000268



Authentic 3B Scientific® heart models are natural cast replicas!

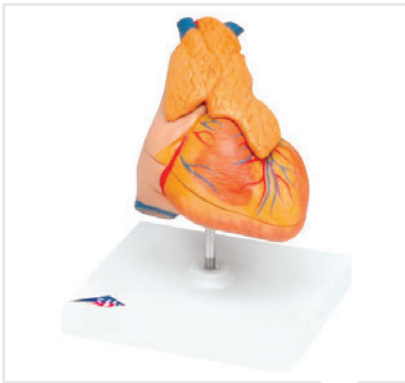
Heart on Diaphragm, 3 Times Life-Size, 10-part

This unique heart depicts the structures of the heart while detailing how the heart relates to the thoracic diaphragm. Easily show how the diaphragm separates the thoracic cavity from the abdominal cavity. *Non-removable base. 41 x 33 x 28 cm; 3,6 kg

In addition, the following parts of the heart can be removed:

- Esophagus
- Trachea
- Superior vena cava
- Aorta
- Pulmonary artery stem
- Both atrium walls
- Both ventricle walls

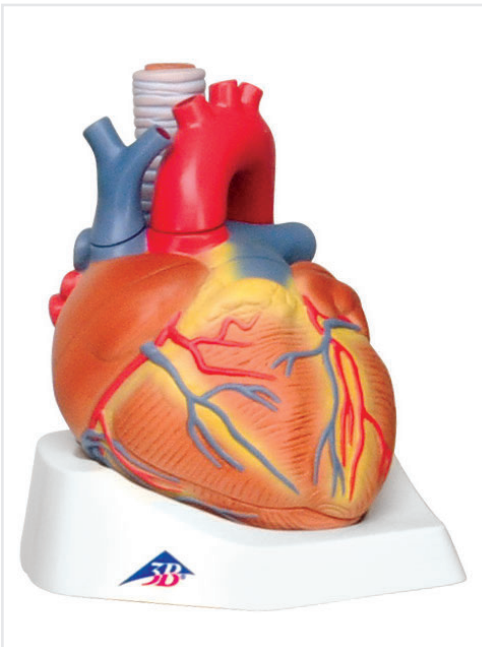
M-1008547



Classic Heart with Thymus, 3-part

Same features as M-G08 with addition of thymus. 20 x 12 x 12 cm; 0,3 kg

M-1000265



Adult Heart, 7-part

This model shows the anatomy of the human heart and is horizontally sectioned at the level of the valve plane. Delivered on a base. 20 x 15 x 17 cm; 1,1 kg

The following parts can be removed:

- Esophagus
- Trachea
- Superior vena cava
- Aorta
- Front heart wall
- Upper half of the heart

M-1008548

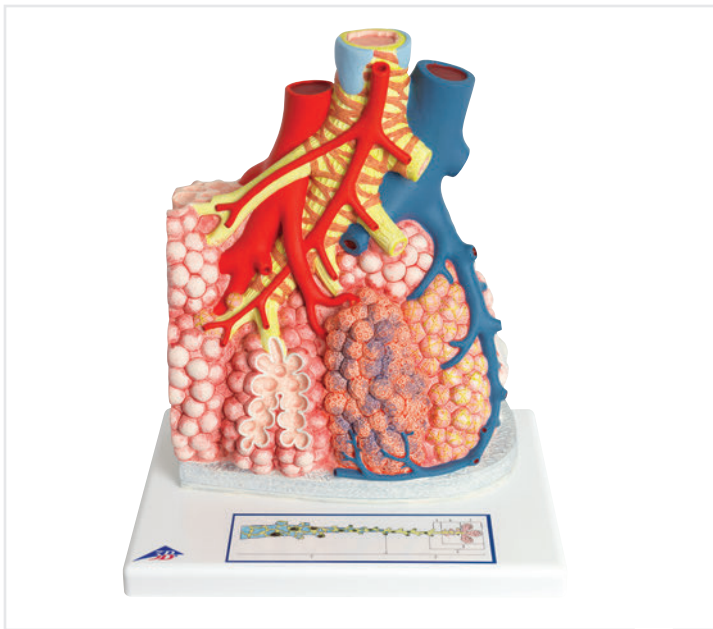


Giant Heart, 8 Times Life-Size

See every detail of the heart with this giant 8 times life-size model. The atria and ventricles are open to give a view of the interior, and show the accurately modelled bicuspid and major vessels adjacent to the heart coronary heart vessels. On stand.

100 x 90 x 70 cm; 35,0 kg

M-1001244

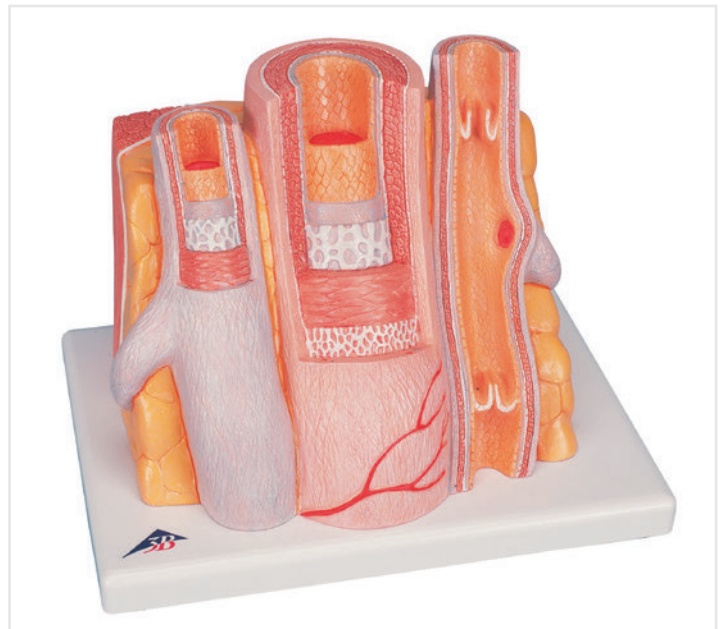


Pulmonary Lobule with Surrounding Blood Vessels

The model shows the terminal branch of the bronchial tree, the associated pulmonary alveoli, as well as the surrounding blood vessels and their capillary networks. On the right side of the model, the pulmonary lobule is cut in order to facilitate view of the pulmonary tissue structure. The left side of the model shows a section of connective tissue located between adjacent pulmonary lobules. To better understand the gas exchange, a single opened pulmonary alveolus with the surrounding capillary network is shown at the back of the model. A graphic presentation on the base of the model shows the structure of the air passages located in the lung up to the pulmonary alveoli.

26 x 13 x 19 cm; 1.4 kg

M-1008493



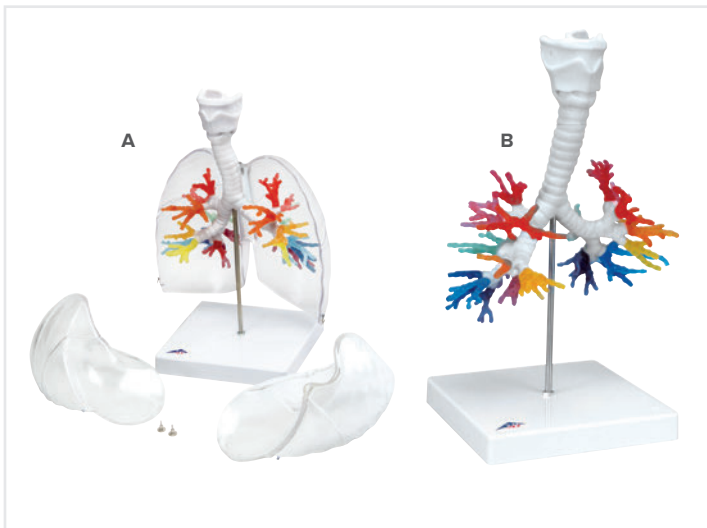
MICROanatomy™ Artery and Vein

The model, enlarged 14 times, shows a medium-sized muscular artery with two adjacent veins from the antebrachial area with adjoining fat tissue and muscle. The model illustrates the reciprocal anatomical relationship of artery and vein and the basic functional techniques of the venous valves ("valve function" and "muscle pump").

The left vein and the middle artery are fenestrated in the upper anterior segment, revealing the various layers of the wall structure in a cross and longitudinal section and in top view. The right vein is opened throughout in the anterior segment, revealing the orifice of a feeder vein and two venous valves, i.e. "flap valves" formed by a duplication of the tunica intima. On the back of the model, a relief of two veins illustrates the functional aspect of the venous valves. Supplied on base.

26 x 19 x 18.5 cm; 0.9 kg

M-1000279



A. CT Bronchial Tree with Larynx and Transparent Lungs

This unique model was created on the basis of computer tomography data of a human male. The larynx is detachable at the level of the second tracheal cartilage and divisible in the median plane. The epiglottis is mounted flexibly. The various segmental bronchi are made of elastic material and depicted in various transparent colors so that they are easier to distinguish visually. The transparent lungs are detachable.

19 x 18 x 37 cm; 1.3kg

M-1000275

B. CT Bronchial Tree without Lungs

22 x 18 x 37 cm; 43 kg

M-1000274



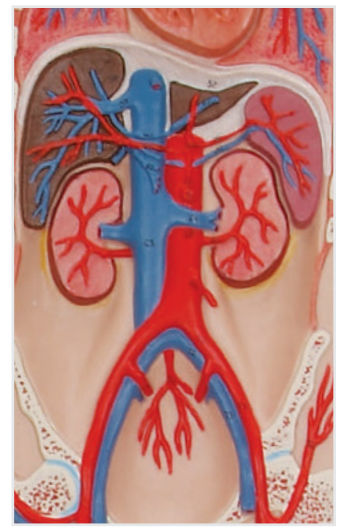
Bestseller

Human Circulatory System

Half life-size schematic representation of arteries, veins, capillaries, heart, lung, liver, spleen, and kidneys.

80 x 30 x 6 cm; 13.6 kg

M-1000276





Segmented Lung

This high quality lung model is detachable into two lobes and single segments. The segments are colour coded and their position can be easily identified in the bronchial tree. The bronchial tree contains the lobar bronchi and segmental bronchi.

All segments are connected by magnets which allow a safe and easy handling.

M-1008494



Life-size Lung Model with Larynx, 7-part

The lung model with larynx is first class. 31 x 41 x 12 cm; 2.2 kg

This first class model comes on a baseboard and contains the following removable parts:

- 2-part Larynx
- Trachea with bronchial tree
- 2-part Heart
- Subclavian artery and vein
- Vena cava
- Aorta
- Pulmonary artery
- Esophagus
- 2-part Lung
- Diaphragm

M-1000270



Life-size Lung Model with Larynx, 5-part

Delivered on baseboard. 28 x 37 x 12 cm; 1.25 kg

Showing the following features:

- Larynx
- Trachea with bronchial tree
- 2-part Heart
- Vena cava
- Aorta
- Pulmonary artery
- Esophagus
- 2-part Lung

M-1001243



Functional Larynx, 2.5 Times Full-Size

The epiglottis, vocal cords, and arytenoid cartilage are movable. 14 x 14 x 28 cm; 0.8 kg

Additionally representing the following structures:

- Hyoid bone
- Cricoid cartilage
- Thyroid cartilage
- Thyroid
- Parathyroid glands

M-1013870



Larynx, 2 Times Full-Size, 7-part

This medially sectioned model shows: larynx, hyoid bone, windpipe, ligaments, muscles, vessels, nerves and thyroid gland. The Thyroid cartilage, 2 muscles and 2 thyroid gland halves are removable. On stand. 12 x 12 x 23 cm; 0.8 kg

M-1000272



Larynx, 2 Times Full-Size, 2-part

This model partially shows the same features as M-G21. However, it is only dividable into two halves. 9 x 9 x 14 cm; 0.15 kg

M-1000273



Functional Larynx

Epiglottis, vocal cords, and arytenoid cartilage are movable. Can be rotated on base.

32 x 13 x 15 cm; 0.8 kg

M-1001242



Bestseller

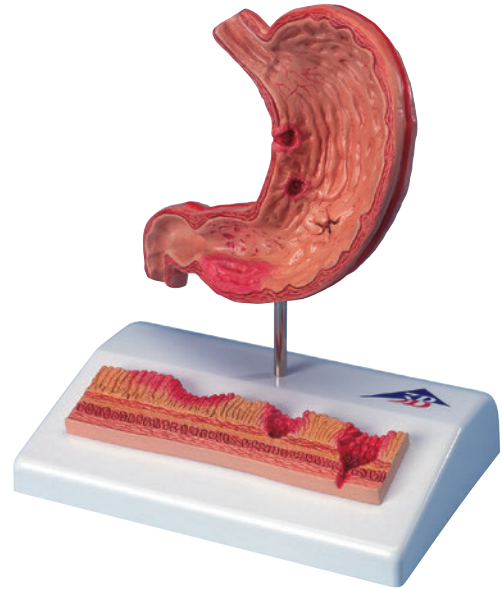
Digestive System, 3-part

This life-size model demonstrates the path food takes through the body during digestion. The duodenum, cecum, and rectum are opened. The liver, stomach, and transverse colon are removable. Mounted on baseboard. 81 x 33 x 10 cm; 4.4 kg

The entire digestive system is illustrated in graphic relief featuring:

- Nose
- Esophagus
- Pancreas
- Spleen
- Mouth Cavity and Pharynx
- GI Tract
- Liver with Gall Bladder

M-1000307



Stomach with Ulcers

This 3B Scientific® pathology model demonstrates various stages of gastritis, from a light gastric ulcer to a perforation. Mounted on base. 14 x 10 x 17 cm; 0.3 kg

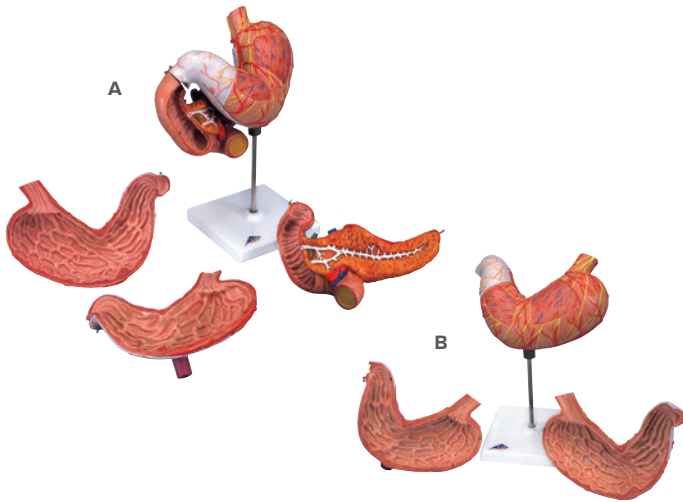
The stomach section, with esophagus and duodenum attachment in half life-size, shows the following pathological changes:

- Erythematous gastritis
- Erosive gastritis
- Hemorrhagic gastritis
- Healing stage with scar formation
- Atrophic gastritis
- Bleeding ulcer
- Perforated ulcer

An additional relief model of the enlarged stomach wall shows:

- Healthy mucous membrane
- Acute gastritis in the antral area
- Erosive gastritis with mucous membrane defects
- Bleeding ulcer (eroded muscularis mucosae)
- Perforated ulcer (all stomach layers eroded)

M-1000304



A. Stomach, 3-part

Shows the layers of the stomach wall from cardia to pylorus. The front stomach half and the opened duodenum with pancreas are removable. Delivered on removable stand. 25 x 22 x 12 cm; 0.8 kg

Depicted are:

- Layers of stomach wall
- Pancreas
- The lower esophagus
- Vessels
- Duodenum
- Nerves

M-1000303

Diseases of the Esophagus

Reaching from the lower part of the esophagus to the upper part of the stomach, this vivid, life-size frontal section shows many common conditions. See online for conditions shown. 14 x 10 x 19 cm; 0.19 kg

M-1000305



B. Stomach without Pancreas, 2-part

M-1000302



MICROanatomy™ Digestive System

The model illustrates the structure of the fine tissues of four characteristic sections of the digestive system: The Esophagus, Stomach, Small intestine and Large intestine. The front of the model, from top to bottom, shows a magnified view, in histological section, of the individual sections of the digestive system and their fine tissue structures. The back of the model has highly magnified views of didactically interesting areas of each section shown on the front.

26 x 29.5 x 18.5 cm; 1.5 kg

M-1000311



Intestinal Villi, 100 Times Life-Size

Consisting of one entire villus, one longitudinally sectioned villus showing the arterioles and venules and one sectioned villus to show the lymphatic vessels. Also includes a longitudinal section of the crypt of Lieberkühn's. On base. 43 x 28 x 10 cm; 2.5 kg

M-1005532

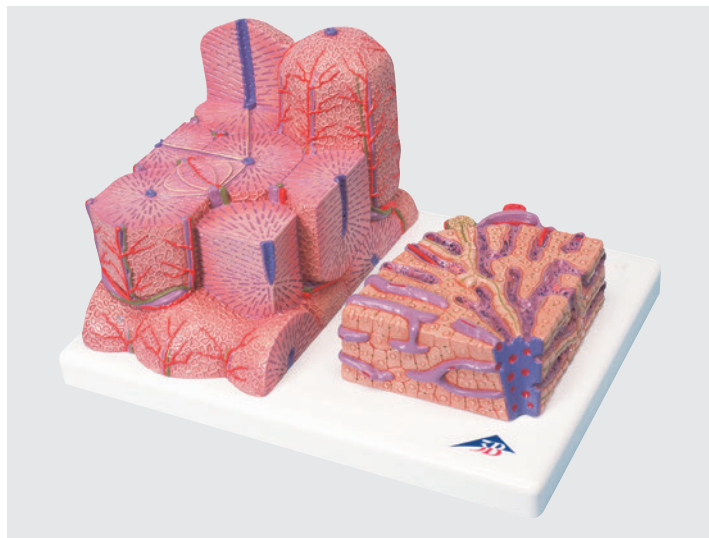
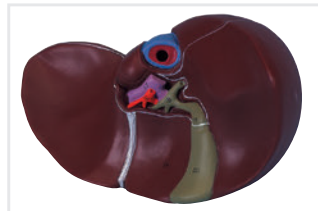


Liver with Gall Bladder
Removable stand. 18 x 18 x 12 cm; 0.5 kg

This realistic liver with gall bladder shows:

- 4 Lobes with gall bladder
- Extrahepatic ducts
- Hilus vessels.

M-1014209



Bestseller

MICROanatomy™ Liver

This 2-part model shows a highly magnified view of a section of the liver. It illustrates the functional and structural components with two different enlargements. The left part shows a section of the liver that comprises several liver lobules. The right part of the model is a highly magnified view of the sectioned liver lobule on the left. 26 x 15 x 18.5 cm; 0.7 kg

M-1000312

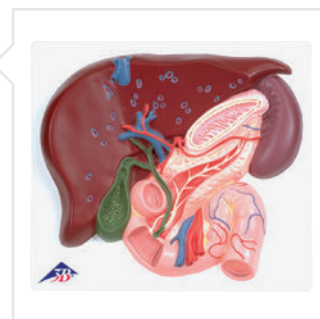
Liver with Gall Bladder, Pancreas and Duodenum

4 x 20 x 18 cm; 0.8 kg

This highly-detailed relief model provides a detailed look at the liver with:

- Ducts
- Gall bladder
- Pancreas
- Duodenum
- Vessels
- Extrahepatic ducts with gall bladder
- Main pancreatic duct and their orifices

M-1008550

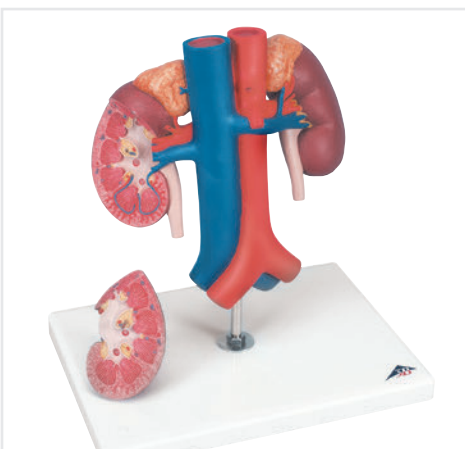


Gallstone Model

The anatomy of the biliary system and its surroundings are shown at half natural size in this graphic model for education. Both acute inflammation and the tissue changes caused by chronic inflammation can be identified in the gallbladder wall. Mounted on base.

14 x 10 x 19 cm; 0.28 kg

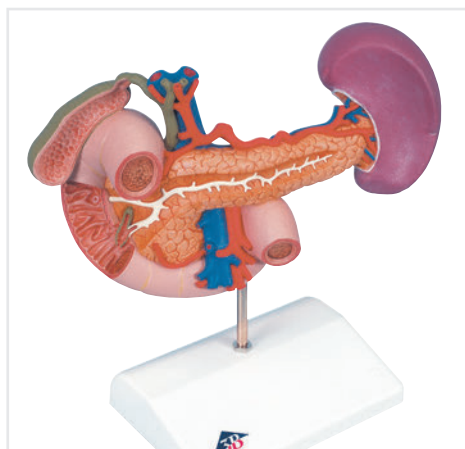
M-1000314



Kidneys with Vessels, 2-part

Life size model presenting the kidneys with suprarenal glands, the outgoing ureters, the renal vessels, and the large vessels situated close to the kidneys. The front half of the right kidney can be removed to reveal the renal pelvis, the renal calices, the renal cortex, and the renal medulla. Comes on stand. 21 x 18 x 28 cm; 1.0 kg

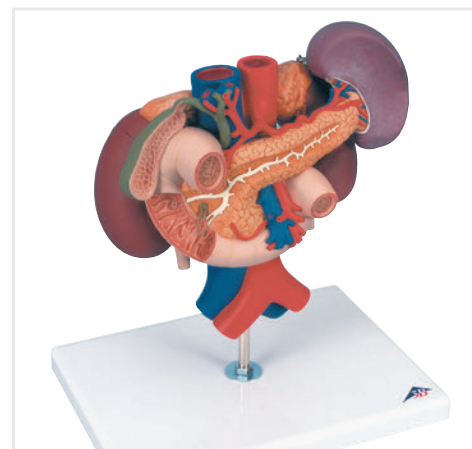
M-1000308



Rear Organs of Upper Abdomen

Representing the duodenum, which is partially opened, along with opened gall bladder and bile ducts. The model also includes the pancreas, revealing large ducts, the spleen, and the surrounding vessels, all in natural size. Comes on stand. 23 x 12 x 20 cm; 0.55 kg

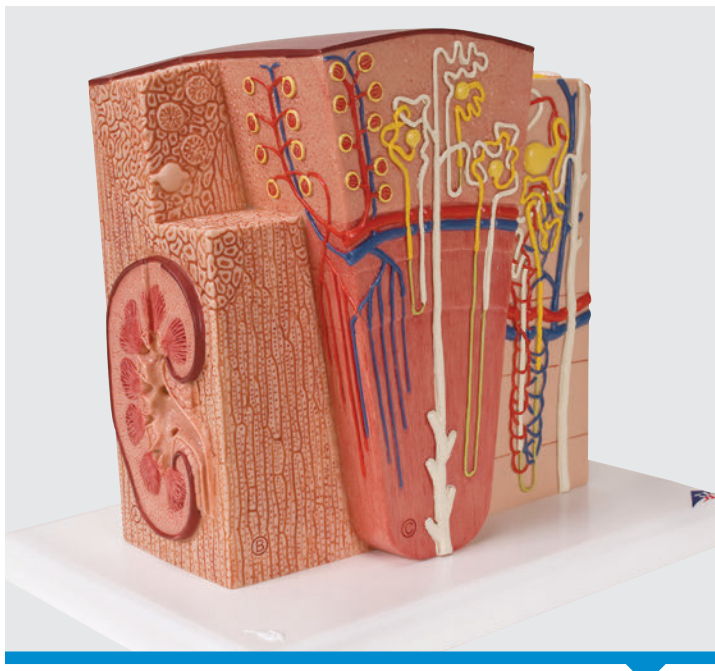
M-1000309



Kidneys with Rear Organs of Upper Abdomen, Combo Model

A combination of models M-1000308 and M-1000309. The 3-part model includes upper abdominal organs which are attached in their natural positions and are removable from the kidneys. Comes on stand. 24 x 18 x 29 cm; 1.4 kg

M-1000310



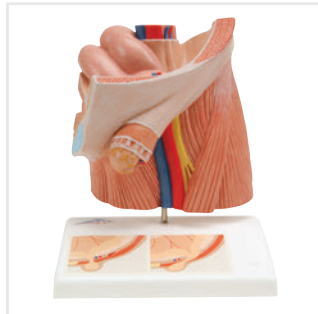
MICROanatomy™ Kidney

This extremely detailed model shows the functional units of the kidney greatly magnified. Mounted on a base. 25.5 x 19 x 23.5 cm; 1.3 kg

Six model zones illustrate the following fine-tissue structures:

- Longitudinal section of a kidney
- Section of renal cortex and renal medulla of the kidney
- Wedge-shaped section of a kidney lobe with three nephrons with Henle's loops of different lengths and diagrammatic depiction of the vascular supply
- Nephron with a short Henle's loop and didactic illustration of the vascular supply
- Opened renal corpuscle with nephron and light-microscopic transverse sections of the proximal, attenuated and distal segments of a renal tubule

M-1000301



Inguinal Hernia Model

A useful model to help inform patients before undergoing surgical interventions. This natural-sized, graphic model shows the anatomical structures of a male groin with an indirect inguinal hernia, opened in layers. Two illustrations on the base allow for a comparison of direct and indirect hernias. Mounted on base. 14 x 10 x 18 cm; 0.28 kg

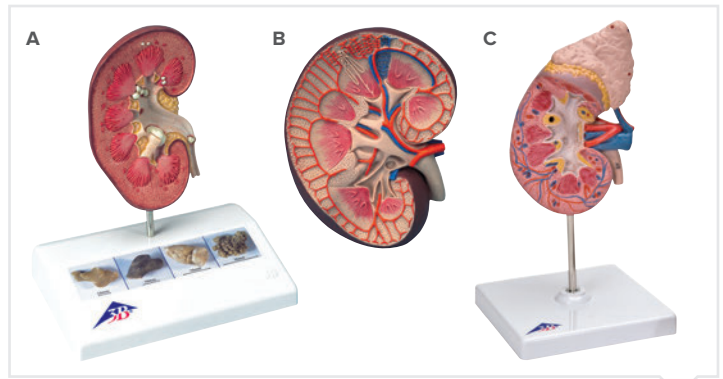
M-1000284



Hemorrhoid Model

The model is a life-size frontal section of the rectum as well as a smaller relief on a pedestal. In addition to the anatomical structures of the rectum (sphincter, mucous membrane, venous plexus), the model shows internal hemorrhoids during stage I and II as well as external hemorrhoids. The relief exhibit shows hemorrhoids during stage III and IV. Mounted on base. 14 x 10 x 14 cm; 0.2 kg

M-1000315



A. Kidney Stone Model

A great tool to inform patients about kidney stones and urinary stones. It shows an opened right kidney in natural size. 14 x 10 x 16.5 cm; 0.18 kg

The renal calices, the renal pelvis, and the ureter are opened as well enabling concretions or stones to be identified in the following typical positions:

- In the area of the renal pyramids
- In the area of origin of the upper calix group
- In the renal cortex
- In the connecting tubule of the lower calix group, causing congestion of the minor calices (partially closed, partially opened) in the ureter
- 4 original color pictures on the base show various kidney stones.

M-1000316

B. Kidney Section, 3 Times Full-Size

This colorful and anatomically accurate model depicts a longitudinal section of the human right kidney. All important structures of the human kidney are shown. No baseboard included. 8.5 x 19 x 26 cm; 0.9 kg

M-1000295

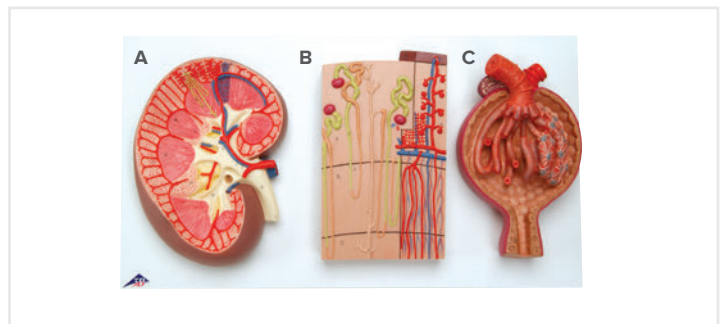
C. Kidney with Adrenal Gland, 2-part

The front half of the kidney is removable to enable demonstration of cortex medulla and vessels for teaching about the human kidney. The renal pelvis of the kidney is also displayed. 20 important structures of the human kidney are included in the anatomy key. Kidney with adrenal gland model comes on stand.

This high quality human kidney model shows:

- Kidney with adrenal gland
- Renal and adrenal vessels of the kidney
- Upper portion of ureter for the human kidney

M-1014211



Kidney, Nephrons, Blood Vessels and Renal Corpuscle

A complete series of 3 models mounted on a baseboard allowing study of the kidney and its different structures in great detail. 29 x 52 x 9 cm; 2.8 kg

Together they show:

- A longitudinal section of the right kidney, 3 times life-size (M-1000296)
- A nephron depicting a section through renal cortex and medulla. Also features the renal corpuscles with proximal and distal convoluted tubules, loops of Henle, collecting tubules, and blood vessels. 120 times life-size (M-1000296)
- An opened Malpighian corpuscle with glomerulus and Bowman's capsule. 700 times full-size (M-1000298).

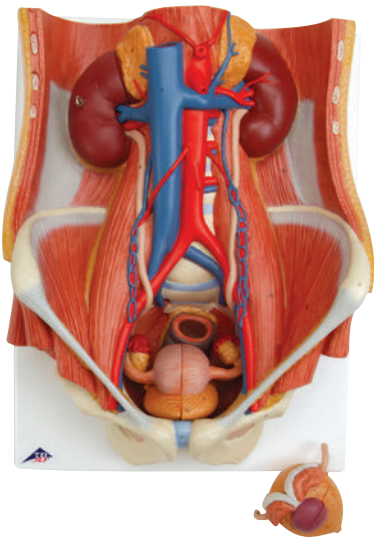
M-1000299

Available Individually:

A. M-1000296

B. M-1000297

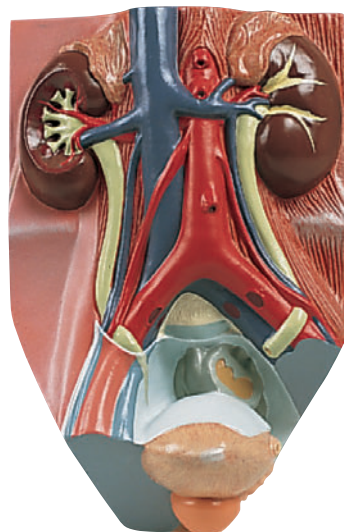
C. M-1000298



Dual-Sex Urinary System, Life-Size, 6-part

All in one model of the human urinary system. One front half kidney is removable; easy to change male insert (bladder and prostate, front and rear half) and female insert (bladder, womb and ovaries, 2 lateral halves). On baseboard. See online for full features. 41 x 31 x 15 cm; 2.3 kg

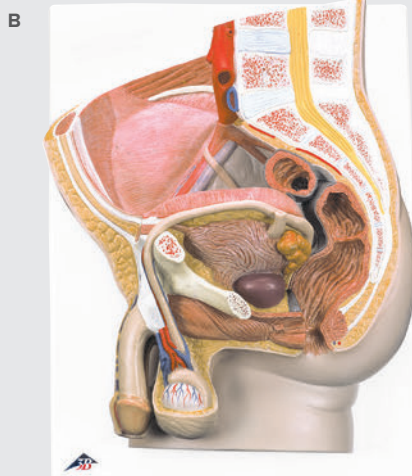
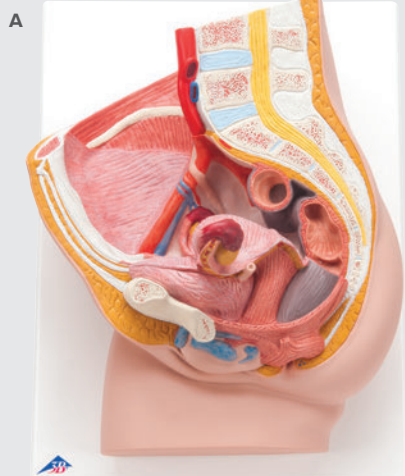
M-1000317



Male Urinary System, 3/4 Full-Size

This urinary system model shows the structures of the retroperitoneal cavity in high detail. The right kidney of the male urinary system model is opened. See online for full details and list of structures represented. Urinary system model is not delivered on base. 10 x 18 x 26 cm; 1.0 kg

M-1008551



Female & Male Pelvis, 2-part

These life size models present a median section to show the normal position of organs within the adult pelvis. One half of the reproductive organs along with the bladder and rectum are removable. Each is delivered on a baseboard and can be wall-mounted if desired.

A. Female Pelvis

41 x 31 x 20 cm; 2.2 kg

M-1000281

B. Male Pelvis

41 x 31 x 17 cm; 2.5 kg

M-1000282



Male Pelvic Skeleton

Consisting of hip bone, sacrum with coccyx and two lumbar vertebrae. 18 x 28 x 23 cm; 0.8 kg

M-1000133



Female Pelvic Skeleton

Consisting of hip bone, sacrum with coccyx, and two lumbar vertebrae; including movable symphysis. 19 x 25 x 24 cm; 0.9 kg

M-1000134



Female Pelvic Skeleton w/ movable Femur Heads

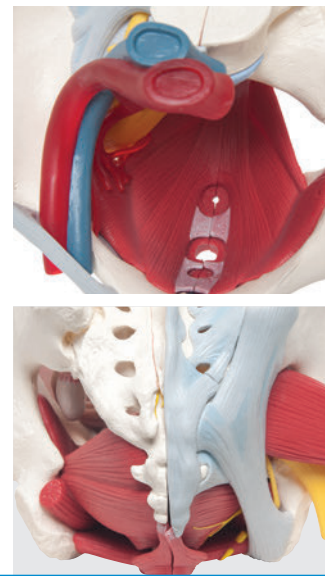
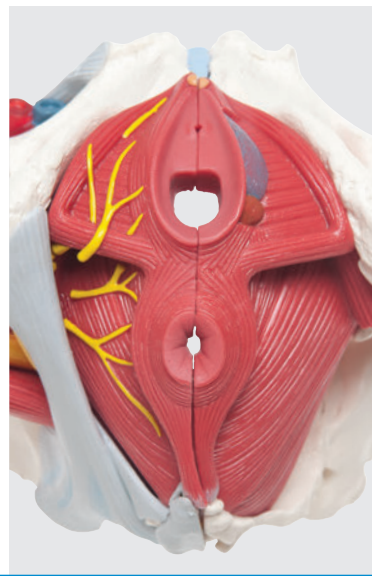
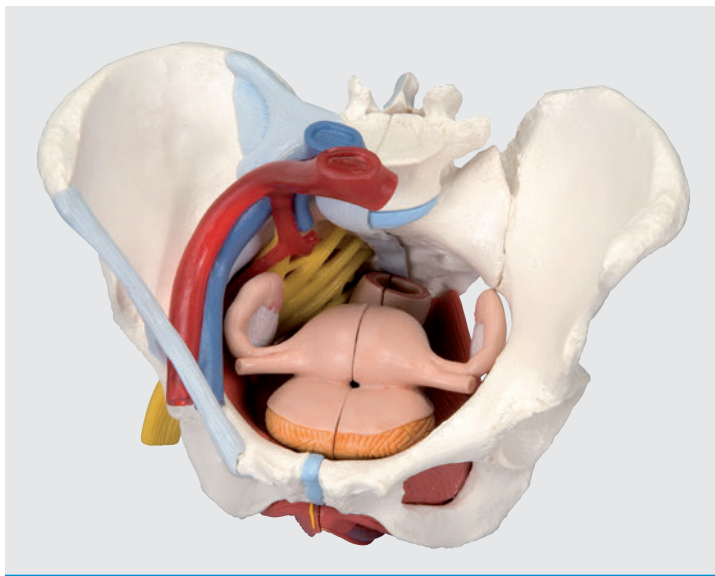
This realistic pelvic skeleton model consists of hip bone, sacrum with coccyx and 2 lumbar vertebrae as well as movable symphysis. 30 x 30 x 20 cm; 1.2 kg

M-1000135



Pelvic Skeleton Features:

- Natural Cast
- Medical Quality
- Unbreakable Durable Plastic



Magnetic closures snap together easily!

Female Pelvis with Ligaments, Vessels, Nerves, Pelvic Floor and Organs, 6-part

This original cast of a female pelvis shows bones, ligaments, vessels, nerves, pelvic muscles and organs. The whole pelvic floor is represented with partially removable midsagittally sectioned external anal sphincter, external urethral sphincter, deep and superficial transverse perineal and bulbospongiosus. Rectum, uterus with fallopian tubes and ovaries and vagina are removable and can be disassembled into halves by midsagittal section. The right pelvic half demonstrates the divisions and topographical anatomy of the common iliac artery, the external and internal artery, the common iliac vein and the external iliac vein. In addition, the right sacral plexus, right sciatic nerve and right pudendal nerve are shown. 19 x 27 x 19 cm; 1.9 kg

M-1000288

"The pelvic floor is the most difficult area of study in gross anatomy. (With the M-1000288 pelvic model) The students can look at the pelvic floor from above, the side and below. They can study the perineum that is attached inferiorly at the pelvic floor... You are bringing an excellent model on the market!"

-Professor Ebo Sauerland, University of Nevada School of Medicine



Female Pelvis, 3-part

Detailing the structures of the bony pelvis: Hip bones, pubic symphysis, sacrum, coccyx, L5 (removable) with intervertebral disc. Sacrum and the coccyx can be disassembled to show part of the cauda equina in the vertebral canal. 19 x 27 x 19 cm; 0.9 kg

M-1000285



Female Pelvis with Ligaments, 3-part

Accurately presenting the following ligaments: Inguinal, sacrotuberous, sacrospinous, anterior sacroiliac, iliolumbar, anterior longitudinal, interosseous sacroiliac, posterior sacroiliac and obturator membrane. 19 x 27 x 19 cm; 1.0 kg

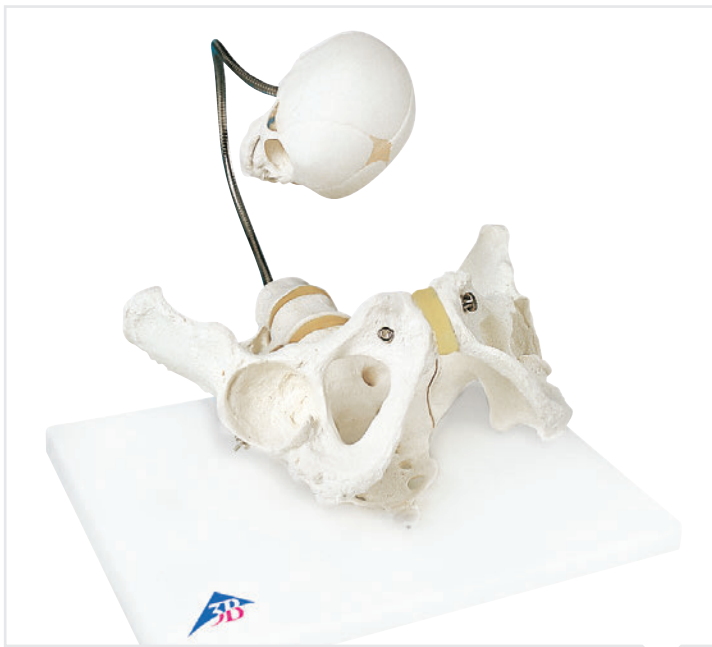
M-1000286



Female Pelvis with Organs, Pelvic Floor & Ligaments, 4-part

Bones, ligaments, and pelvic floor muscles with pelvic organs midsagittally sectioned to illustrate their relationship to the pelvic floor muscles. 19 x 27 x 19 cm; 1.3 kg

M-1000287



Childbirth Demonstration Pelvis

This model demonstrates the progress of a full-term fetal head through the pelvis during birth. The simulator consists of a female pelvic skeleton with a movable symphysis, hip bone, sacrum, coccyx, and 2 lumbar vertebrae. It is articulated to accommodate passage of a fetal skull which is mounted on an omni-positioning flexible gooseneck support. Delivered on baseboard. 33 x 26 x 18 cm; 1.8 kg

M-1000334



Female Pelvic Skeleton with Genital Organs, 3-part

This model is especially suitable for studying the position of female genital organs in the pelvis. It consists of a natural cast female pelvis with a movable symphysis, hip bone, sacrum, coccyx, 4th and 5th lumbar vertebrae, and a female genital insert with rectum. The bladder and a portion of the uterus with one fallopian tube and ovary can be removed. The soft tissues are molded from durable, soft vinyl. Delivered on base. 33 x 26 x 18 cm; 2.0 kg

M-1000335



Male Pelvis, 3-part

This 3-part model is a natural cast of a male, bone pelvis. It shows all anatomical structures in detail: both hip bones, pubic symphysis, sacrum and coccyx as well as the fifth lumbar vertebra with intervertebral disc. A median section has been placed through the fifth lumbar vertebra, the sacrum and the coccyx, so that the pelvis, which is held together by practical magnets, can be split into two halves. This means that part of the cauda equina is also visible in the vertebral canal. The left half of the fifth lumbar vertebra is held together by magnets and can also be removed. 19 x 28 x 24.5 cm

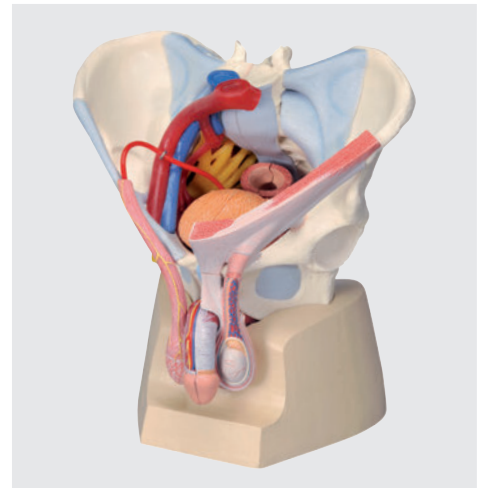
M-1013026



Male Pelvis with Ligaments, 2-part

This 3-part model is a natural cast of a male, bone pelvis. It shows all anatomical structures in detail: both hip bones, pubic symphysis, sacrum and coccyx as well as the fifth lumbar vertebra with intervertebral disc. A median section has been placed through the fifth lumbar vertebra, the sacrum and the coccyx, so that the pelvis, which is connected by practical magnets, can be split easily into two halves. This means that part of the cauda equina is also visible in the vertebral canal. 19 x 28 x 24.5 cm

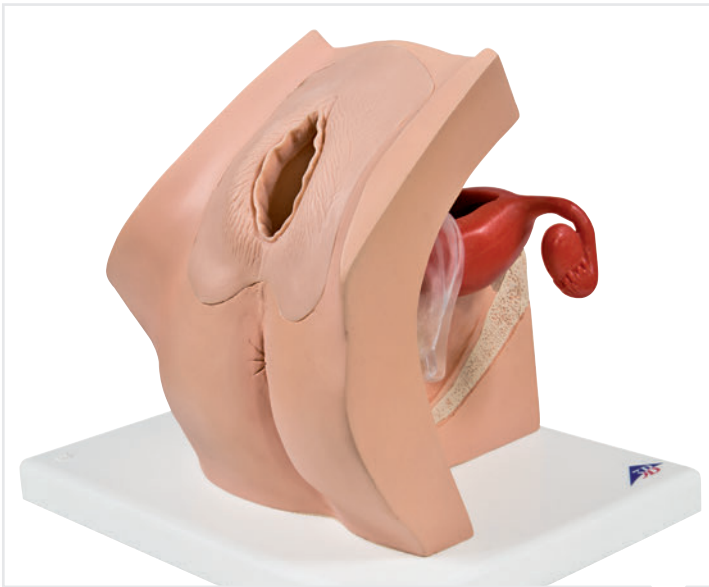
M-1013281



Male pelvis with ligaments, vessels, nerves, pelvic floor and organs, 7-parts

This 7-part model of the male pelvis accurately shows how the bones, ligaments and pelvic floor muscles interact. This medianly divided model is connected with magnets to allow for easily separation into two halves. The right side of the pelvis shows the external anal sphincter, rectum, bladder, prostate and penis. Layers of skin have been removed from the penis and scrotum so vessels, nerves and internal structures are visible. Over 120 structures are identified. Comes with sturdy base for display. 21 x 28 x 31 cm

M-1013282



Model for Gynecological Patient Education

Ideal for demonstration purposes and for practicing insertion of female barrier contraceptive devices. Including the femidom, cervical cap, vaginal ring, diaphragm and IUD. It is possible to insert the various types of pessaries such as ring, bowl or cube which are used in the event of a prolapse or incontinence.

M-1013705

Optional Kits

Contraception Kit
Pessary Kit

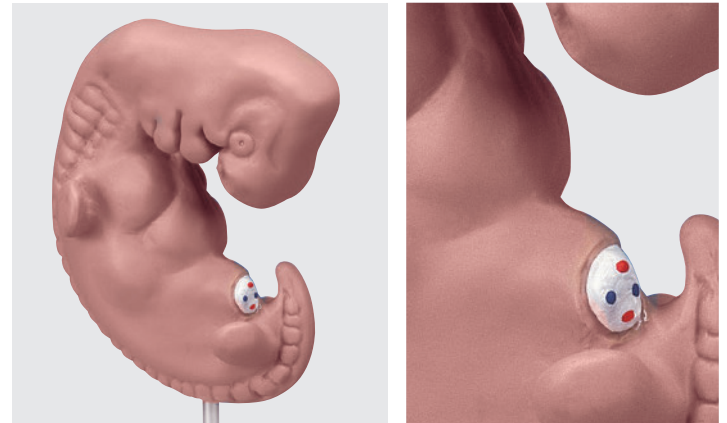
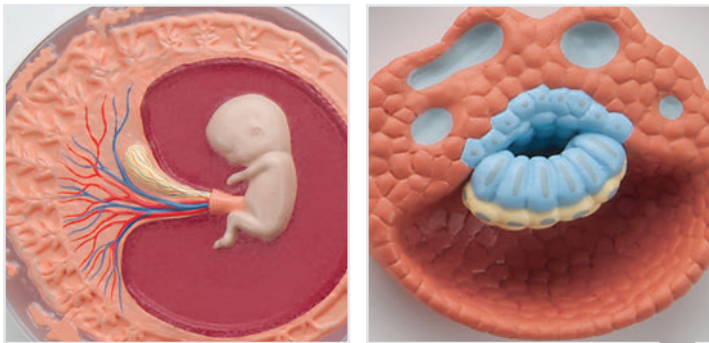
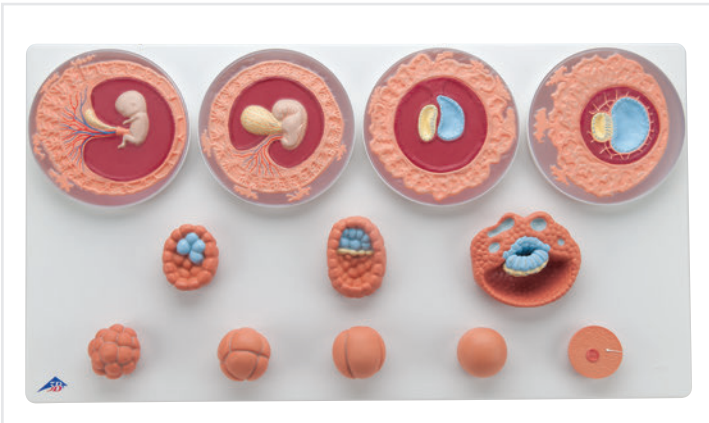
M-1017130
M-1017131



Stages of Fertilization and The Development of The Embryo, 2 Times Life-Size

Schematic illustrations show how an ovum matures, how ovulation and fertilization occur, and how the fertilized ovum develops to the point of embedding itself in the womb wall to begin growth into an embryo. The various stages are shown in larger-than-life model form in an ovary, fallopian tube, and womb. An even more enlarged illustration of each is printed on the base. 35 x 21 x 20 cm; 1.2 kg

M-1000320



Human Embryo Model

This human embryo model shows the anatomy of an embryo at approximately 4 weeks old. At 25 times life size this human embryo is great for studying human development. The high quality model is affordable without sacrificing any anatomical detail. 12 x 12 x 23 cm; 0.3 kg

M-1014207

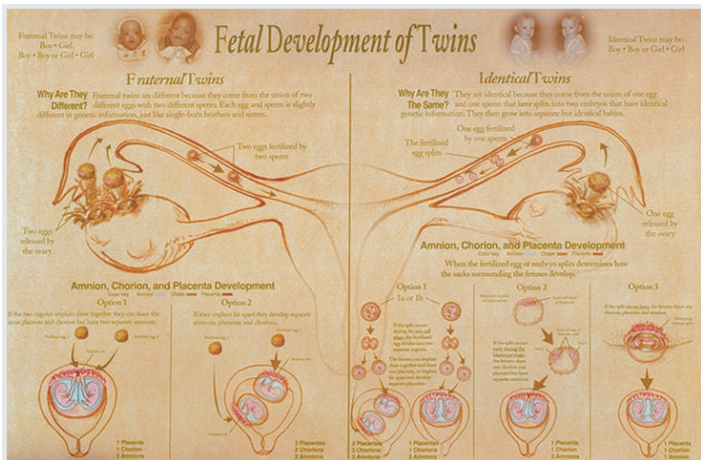
25 times life-size!

Embryonic Development Model in 12 stages

The model represents the development of the human germ cells from fertilization until the end of the 2nd month of pregnancy in 12 stages. Each stage can be removed from the common stand as an individual part and can be purposefully used for teaching and tests for the embryological specialist field. 65 x 34.5 x 6 cm; 1.55 kg

M-1001257

Have questions about our products? Visit us at **3bscientific.com!**



Fetal Development & Presentation of Twins Chart

This two-sided chart is excellent for teaching childbirth professionals and for educating parents. One side shows the development of fraternal and identical twins, including identical twins sharing a placenta. The other side shows the six possibilities of fetal presentation for twins. Available in English only. Laminated. 35 x 23".

M-1018282

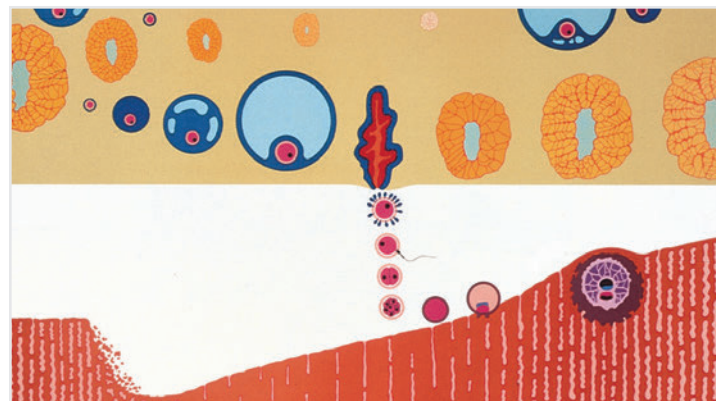


Reproductive System Activity Sets

- Menstrual Cycle** M-1005481
- Birth** M-1018406
- Meiosis** M-1005485
- Mitosis** M-1005484
- Cell to Embryo** M-1018403
- Four Month Fetus** M-1018404
- Full Term Fetus** M-1018405
- Female Reproductive System** M-1005483
- Male Reproductive System** M-1005482

All 9 Activity Sets

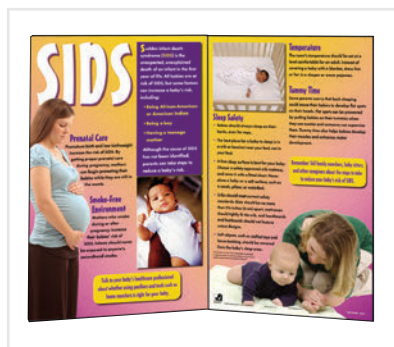
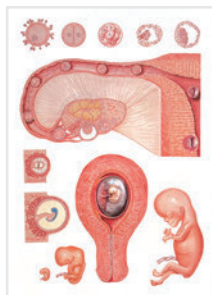
Significant savings when you purchase the complete set of nine activities.
M-1005480



Visual Anatomy Oversize Wall Charts

A valuable educational supplement for use in schools, universities and medical facilities. These impressive charts are supplied with a detailed, six-language product manual including scientifically correct nomenclature. Printed on waterproof, tear resistant paper each chart is available with (M) or without (U) wooden mounting rods.

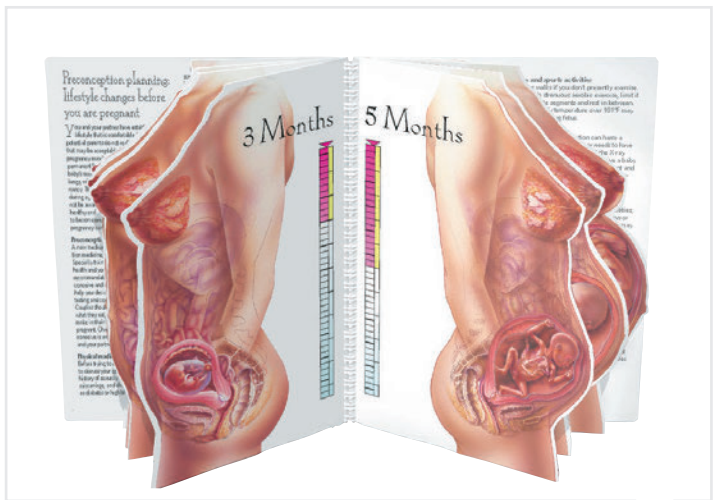
- Menstrual Cycle & Ovum Implantation** M-4006559
- Embryology I** M-4006560
- Unmounted**
- Mounted**



SIDS Tabletop Display

Although all babies are at risk of sudden infant death syndrome (SIDS), parents and other caregivers can reduce the risk by taking steps such as creating a safe-sleep environment that always includes back sleeping. Also addresses prenatal care, smoke-free environments, and appropriate room temperature. Available in English only. 29 x 22.5" opened.

M-1018303



Life in the Womb: "With Child" Display

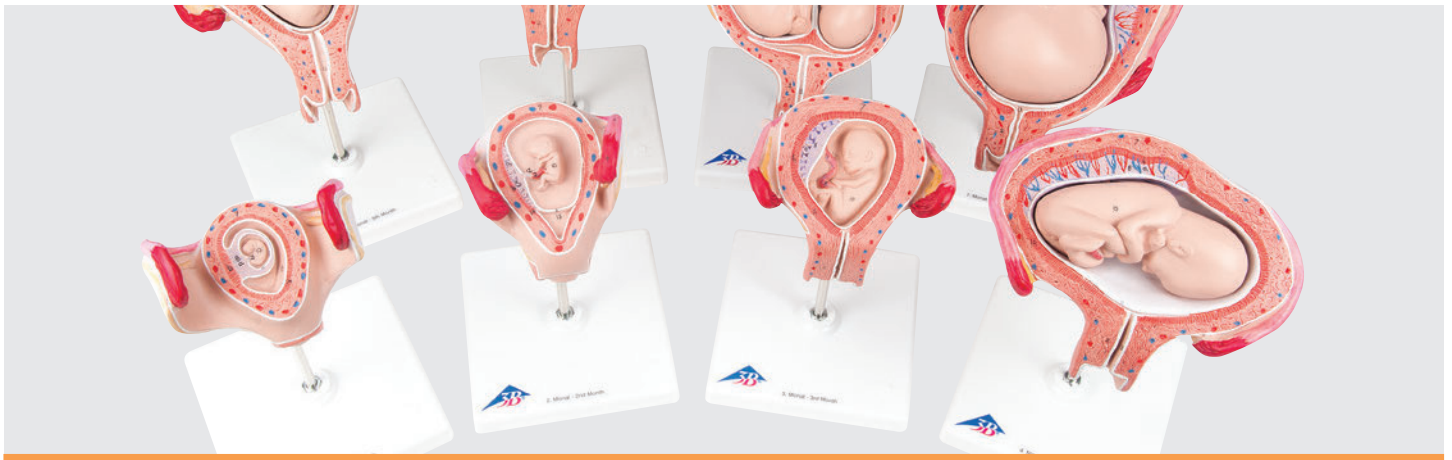
Reviewing anatomical development from conception to six weeks postpartum is made easy with the accompanying "With Child" life-size display. Available in English only. 45.7 x 61 cm; 18 x 24".

"With Child" Display M-1018275



Connect with us!





Classic 3B Scientific® Pregnancy Series

Study human development from the 4th week through the 7th month. Our most popular series includes eight models to show the complete stages of development. All embryo or fetus models are shown in different typical positions in the uterus and each is mounted separately on an individual stand. The five later stages of development allow the fetus to be removed. Ask your Sales Rep about purchasing individual models or visit 3bscientific.com for product details. 12 x 12 x 19 cm; 3.2 kg

- 1st Month Embryo
- 2nd Month Embryo
- 3rd Month Embryo
- 4th Month Fetus (Transverse Lie)
- 5th Month Fetus (Breech Position)
- 5th Month Fetus (Transverse Lie)
- 5th Month Twin Fetuses (Normal Position)
- 7th Month Fetus

M-1000321

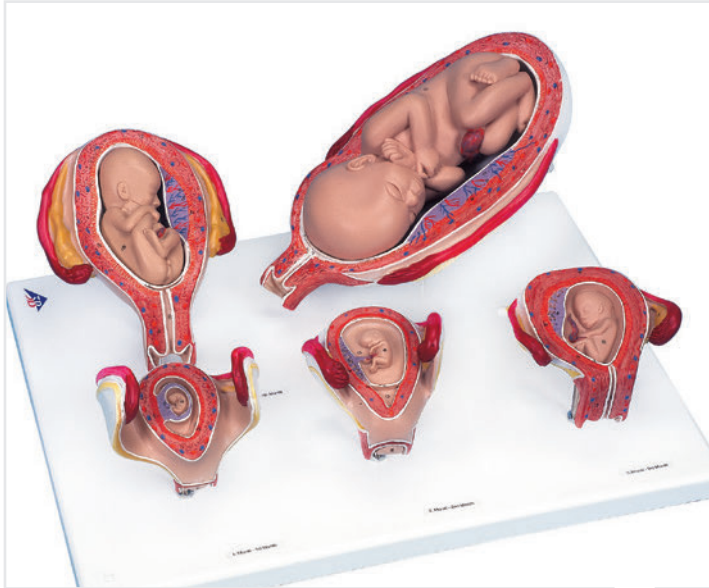


Birth Process, 5 Stages

Anatomical representation of human birth. 5 stages of the birthing process, mounted individually on bases. 17 x 28 x 46 cm; 8.6 kg

- Fetus in womb, cervix closed; 2-part
- Fetus in womb, cervix open
- Fetus in womb, start of head passage
- Fetus in womb and pelvis, finish of head passage
- Placenta in womb

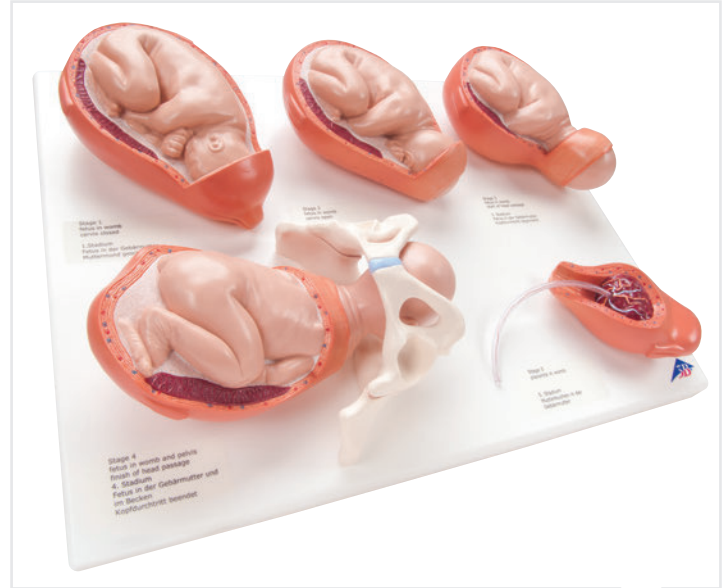
M-1001258



Standard 3B Scientific® Pregnancy Series

This series consists of five models to show the most important stages of development. Stages included: 1st month, 2nd month, 3rd month, 5th month, 7th month. The 5th and 7th month stages have detachable fetuses. All models are mounted together on a base. 13 x 41 x 31 cm; 2.1 kg

M-1000331



Labor Stages Model

Like M-1001258 anatomical representation of human birth, but reduced in size to 50%. The birth model is supplied on baseboard. 5 stages of human birth, mounted individually on bases.

- Fetus in womb, cervix closed
- Fetus in womb, cervix open
- Fetus in womb, start of head passage
- Fetus in womb and pelvis, finish of head passage
- Placenta in the womb
- The human birthing process in 5 realistic anatomical models.

M-1001259



Shaken Baby Demonstration Model

An infant's vulnerability to shaken baby syndrome (SBS) is powerfully demonstrated with this model. The model's translucent head allows viewers to see how a baby's brain can be harmed. It also emphasizes the importance of supporting an infant's neck. Helps teach prevention of SBS, which can have devastating consequences including permanent brain damage, blindness, and death. SBS tear pad also available. 19" long.

M-1017928



Empathy Belly

This unique pregnancy simulation allows both female and male wearers to experience over 20 symptoms and effects of being pregnant. Through the use of a rib belt and the strategic positioning of various weighted components, the Empathy Belly simulates many of the physical and emotional effects of being pregnant. This hands-on garment is a wonderful teaching and learning tool. For teenagers, the Empathy Belly provides a tangible example of what it means to be pregnant.

Medium M-1017929
Large M-1017930



Ready or Not Tots®

The original manikin that simulates a baby's varying needs! Take the glamour out of teen pregnancy and demonstrate the realities of the real world to your students.

You never have to worry if students neglected the manikin. Ready-or-Not Tot® uses set programs so the teacher always knows when the manikin required care. Student response to the manikin's needs are easily checked using the template provided.

Comes complete with one set of student keys, one set of teacher keys, reproducible parental consent form/permission slip, reproducible student response sheet, teacher correction template, diaper, 9V battery, and instructions.

White Male M-1017931 **Black Male M-1018137**
White Female M-1017932 **Black Female M-1018138**



Care Babies

Ideal model for training the main principals of baby care at school and in preparation courses for young parents. It allows dressing, undressing, washing, changing diapers, and many other procedures. Care babies are realistically newborn sized and can be dressed in ordinary baby clothes. The doll has movable joints and its eyes are slightly opened.

African-American Baby **Asian Baby** **Caucasian Baby**
Male M-1005092 **Male M-1005090** **Male M-1005088**
Female M-1005093 **Female M-1005091** **Female M-1005089**



Progression of Baby Bottle Tooth Decay Display

This model serves as a graphic reminder to parents of the damaging tooth decay that can occur if a baby or young child is put to bed with a bottle of juice, breastmilk, formula, or any other liquid containing sugar. Mounted on plastic base. 10½" x 3½" x 3½".

M-1018298



Baby Bottle Tooth Decay Model

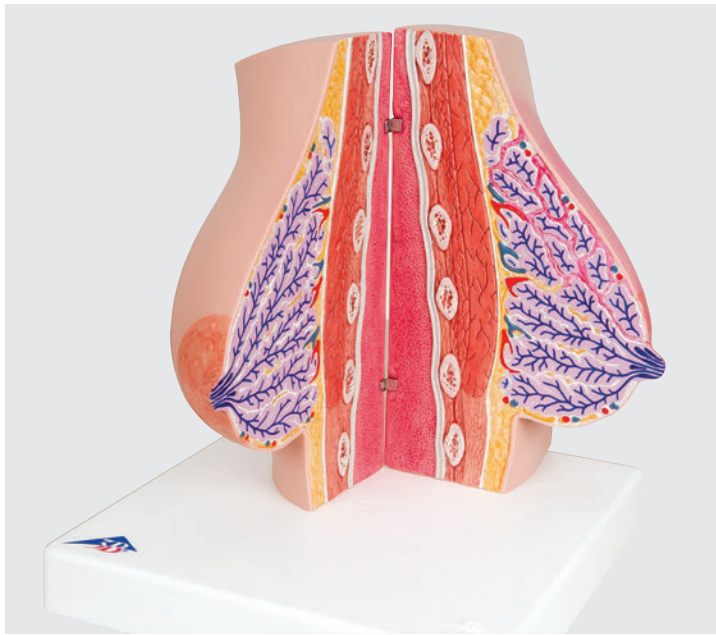
Cast from a child's mouth, this hinged model shows that the sugars that coat a baby's mouth while sleeping with a bottle can cause dental disease. Comes with a coordinating tear pad. The 8.5 x 11" tear pad is English on one side and Spanish on the other and has 100 sheets per pad. 2.25 x 1.625 x 2".

M-1018302



Connect with us!





Wearable Breast Self Exam Model with Case

Demonstrate realistic self-examination with our natural casting of a female upper body with C cup breasts. It can easily be worn, in order to better train and practice breast self-examination. Includes: Multilingual product manual, "Female Breast" chart M-1001576, talcum powder, harness, stand, aluminum carrying case. 56 x 44 x 24 cm; 11.5 kg

- Made of new 3B Scientific SKINlike™ high-quality silicone
- Breast examination is possible in both upright and lying positions
- Benign and malignant tumors in different stages of development sharpen self-examination skills

Fits together & hinges on magnetic connections!

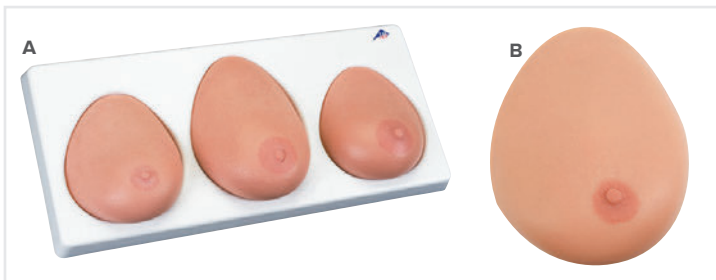
Female Breast Models

The models include an example of a lactating right breast and a non-lactating left breast. Both parts of the model have a sagittal cut showing the tissue of the breast gland as well as the deeper-lying anatomical structures such as the muscles, ribs, costal pleura, pulmonary pleura and lungs. A breast gland inflammation (mastitis) is represented on the right breast and various other diseases on the left breast including a benign tumor, two malignant tumors, and two cysts. The models are fixed together via magnets.

M-1008497

M-1000342
M-1000343

without chart and case



Breast Self Examination Model

Very realistic natural casting of three different female breasts in C and D cups, to train and practice breast examination. Supplied with base and talcum powder. 52 x 24.5 x 9.5 cm; 2.3 kg

- Made of new 3B SKINlike™ high-quality silicone
- Benign and malignant tumors in different stages of development are featured in two breasts
- A healthy breast is supplied for comparison

A. Set M-1000344
B. Single Breast M-1000345

Advanced Breast Exam Simulator

The Advanced Breast Exam Simulator offers unparalleled realism for teaching both clinical and self-breast examination. Tissue density varies within the simulated breast, just as it does in a live patient. Tumors of varying sizes, shapes, and densities can be inserted for an expanded combination of training scenarios. Tumors represent adenomas, cysts, malignant tumors, and enlarged lymph nodes. The trainer features palpable ribs, sternum and clavicles, and enlarged lymph nodes in the axillary and subclavicular areas. Includes a rigid underbody, right and left breast inserts, overlay skin, three tumor sets (27 lumps), baby powder, hard carrying case, and instruction manual.

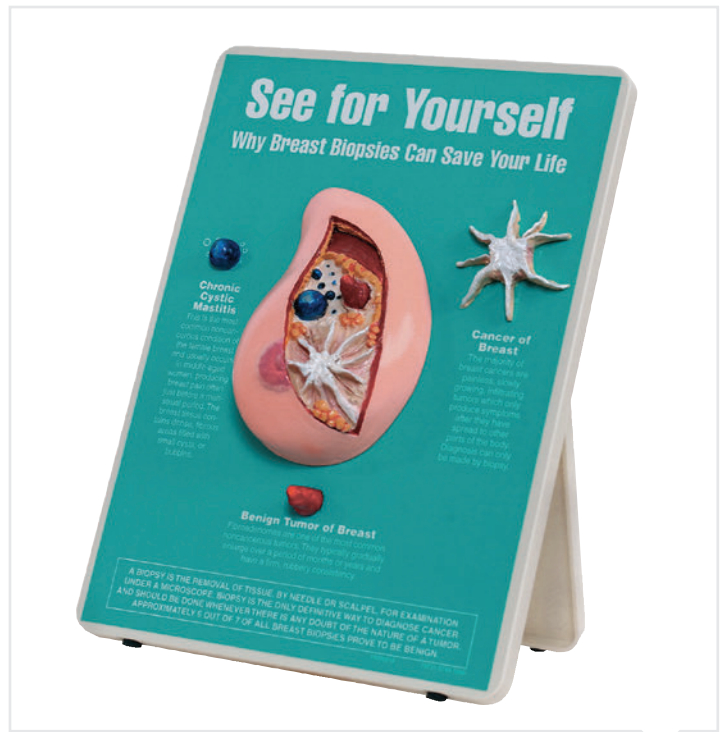
M-1017235



Why PAP Tests Can Save Your Life Easel Display

Easy-to-understand text combined with six handpainted, realistic cervix models make teaching the importance of regular PAP tests easy. This 3D display is perfect for one-on-one presentations. Comes with a protective felt cover. Available in English only. 9 x 12"

M-1018296



Why Breast Biopsies Can Save Your Life Easel Display

Emphasizing the importance of breast biopsies, the cutaway view on this 3D handpainted display reveals chronic cystic mastitis, a benign tumor, and a cancerous growth. Comes with protective felt cover. Available in English only. 9 x 12"

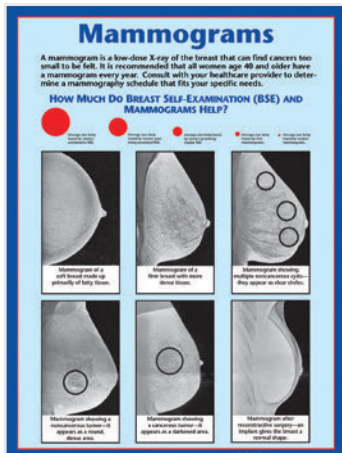
M-1018297



How to Perform Breast Self Examination (BSE) Chart

This chart explains basic procedures for vertical/grid, circular, and wedge patterns and includes recommendations on when and where to perform BSE. Also lists possible warning signs of breast cancer. An excellent teaching resource. Laminated. Available in English only. 18 x 24"

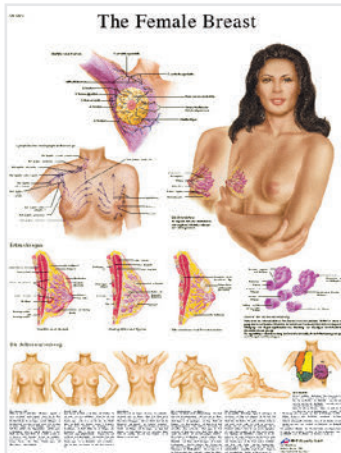
M-1018312



Mammograms Chart

A mammogram is a low-dose breast X-ray that can find cancers too small to be felt. This chart offers viewers a chance to see the benefits of BSE and mammography up close. Shows lump sizes found by mammography and BSE. Laminated. Available in English only. 18 x 24"

M-1018346



Female Breast Chart - Anatomy, Pathology and Self-Examination

This colorful chart covers the anatomy, pathology, and self-examination of the human female breast. The anatomy of breast pathology is shown along with useful information about different types of breast lumps that can occur. 50 x 67 cm (20 x 26")

M-1001576



Breast Care Flip Chart

Explaining the facts about breast cancer, this flip chart is perfect for women's health education. Teaches the importance of combining BSE, mammography, and annual clinical exams as the best defense against breast cancer. Features presenter's notes on reverse panels. Available in English only. 6 panels. 12 x 17"

M-1018313



Clinical Breast Trainer

This Trainer combines modularity and practicality for clinical skills in diagnosis and palpation.

- Five identifiable anatomical anomalies.
- Fluid filled cyst for aspiration and palpation
- 2 palpable lumps (approx. 1 cm and 1.5cm diameter) on the lateral side of the breast
- Infection in Armpit in axilla region
- Lump in tissue above the clavicle
- Modular design for simple replacement of skin, cyst, lump axillary gland
- Skin detaches for replacing cysts
- Realistic tactile feel
- Easy to keep clean

M-1005159



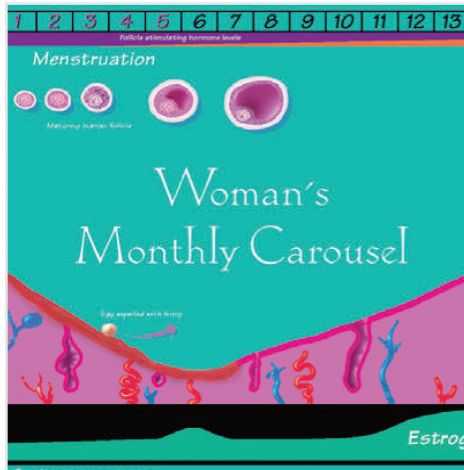
Family Planning Educator

Desktop simulator for training and demonstration of proper introduction and removal of a diaphragm, IUD or sponge contraception devices. This trainer demonstrates both normal and abnormal uterine positions and is ideal for training Bi-manual examination techniques.

The family planning educator supplied with:

- One anteverted uterus with clear upper half to illustrate correct position of IUD
- One uterus to illustrate normal anteversion and retroversion
- Cervix with patent os attaches to uterus suspended within pelvic cavity
- Soft plastic stomach cover
- Carrying bag

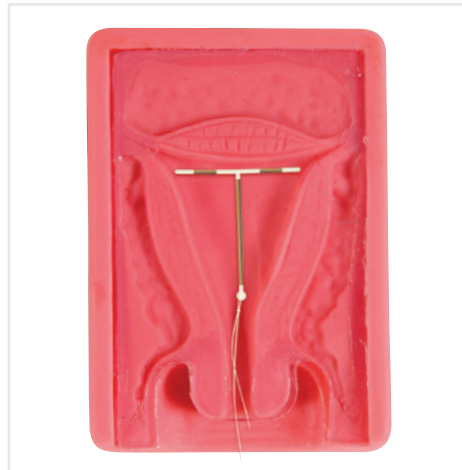
M-1005784



Woman's Monthly Carousel Chart

Ideal visual aid for a complex process, this chart explains a 28-day menstrual cycle. Discusses function of hormones, changes in the uterine lining, the development and release of the ovum, body temperature, and more. Available in English only. 33 x 16"

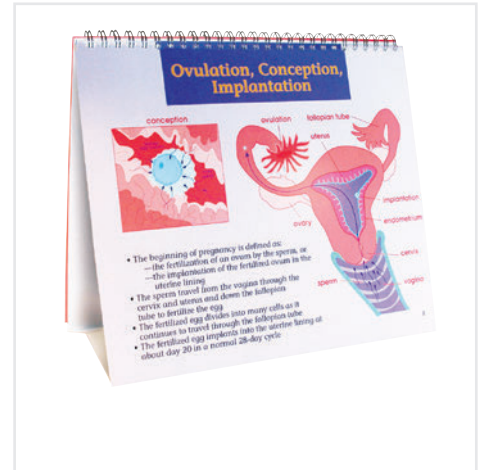
M-1018345



I.U.D. Trainer

Hand-held trainer which is a suitable aid for understanding correct positioning of I.U.D. (Intrauterine Device) in the uterus. Made of durable plastic, the trainer features a transparent cover which allows easy visualization of insertion and placement of I.U.D. (I.U.D. not included).

M-1005766

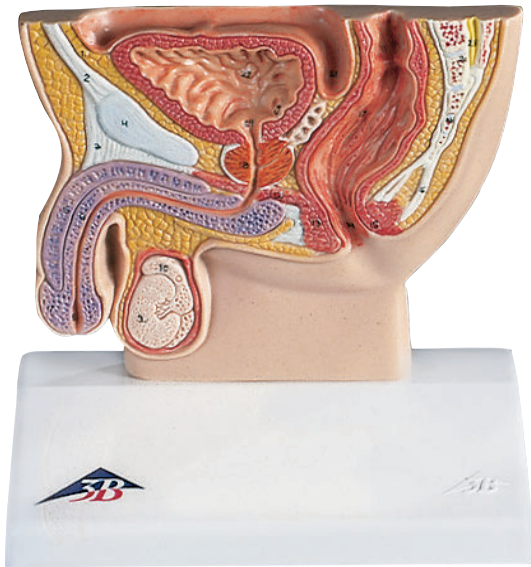


Understanding Birth Control

A great tool for healthcare providers or educators, this flip chart discusses male and female reproductive anatomy, menstruation, conception, and the most current methods of contraception. Provides student information on one side and a teaching script on the other. 21 panels. Available in English only. 14 x 12"

M-1018279

▶ Need more information? Visit us at **3bscientific.com!** ◀



Male Pelvis Section, ½ Life-Size

This cross section of the male genital organs shows all structures in detail. It is a realistic replica of the anatomy of the male pelvis. 13.5 x 10 x 14 cm; 2.4 kg

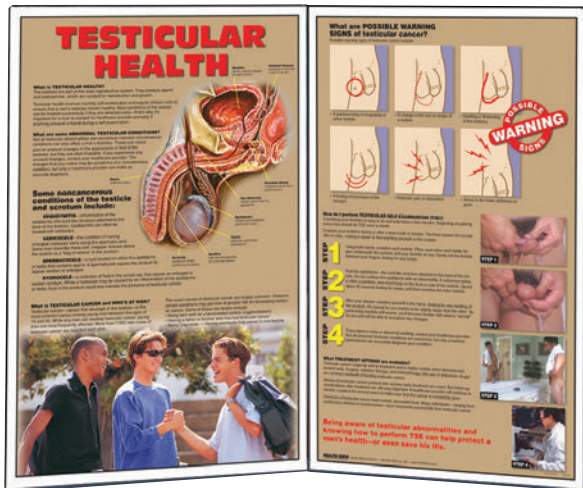
M-1000283



Testicle Self Exam Simulator

Self-examination of the testicles is just as important as self-examination of the female breasts for early detection of tumors. Providing exceptional realism, this simulator features soft, thin outer skin with delicate underlying structures and four embedded, simulated tumors. Ideal for teaching proper palpation techniques. To maintain the life-like feeling of the skin, baby powder (included) should be applied from time to time. 23.5 x 16 x 6.5 cm; 0.475 kg

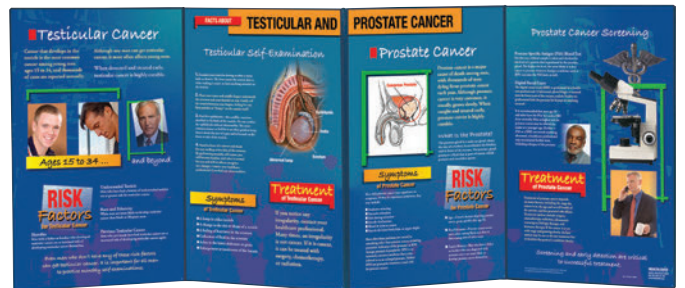
M-1005640



Testicular Health Tabletop Display

Offering detailed information in an easy-to-follow format, this two-panel display is ideal for teaching young men about a variety of testicular conditions. Covers noncancerous conditions, possible warning signs of testicular cancer, and instructions for self-examination. Available in English only. 12 x 17"

M-1018412



Facts About Testicular and Prostate Cancer Display

This folding display explores testicular and prostate cancer by identifying the risk factors, symptoms, and treatment of each condition. Emphasizes the importance of testicular self-examination and prostate cancer screening. Available in English only.

M-1018413

▶ More displays available online at 3bscientific.com! ◀



Bestseller

Testicle Self Exam

By using 3B Scientific SKINlike™ high-quality silicone, learning and practicing self-examinations of the testicles becomes even more realistic. The scrotum contains two movable testicles, the epididymi, and the spermatic cords for palpation. Two pathological findings can be felt in the left testicle. Supplied with detailed instructions for self-examination and a carrying bag. 9 x 8 x 4 cm; 0.19 kg

M-1000346

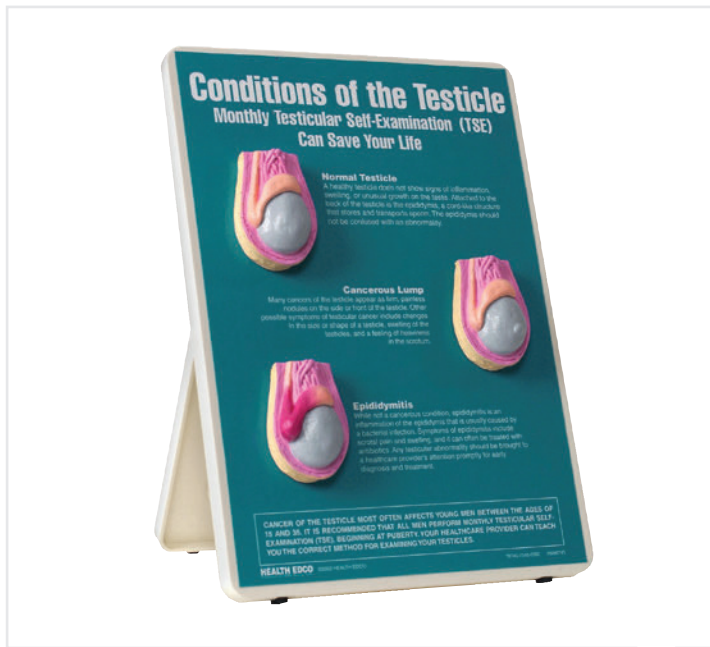


Teen BSE/TSE Training Set

This kit contains a teen BSE model and a TSE model to teach teens the importance of the early detection of cancer. Teen BSE model contains lumps in a variety of sizes. TSE model contains two lumps in each testicle. Each model is made of soft, durable BIOLIKE™ synthetic tissue and comes with slipcover and carrying case.

Beige Skintone M-1017933

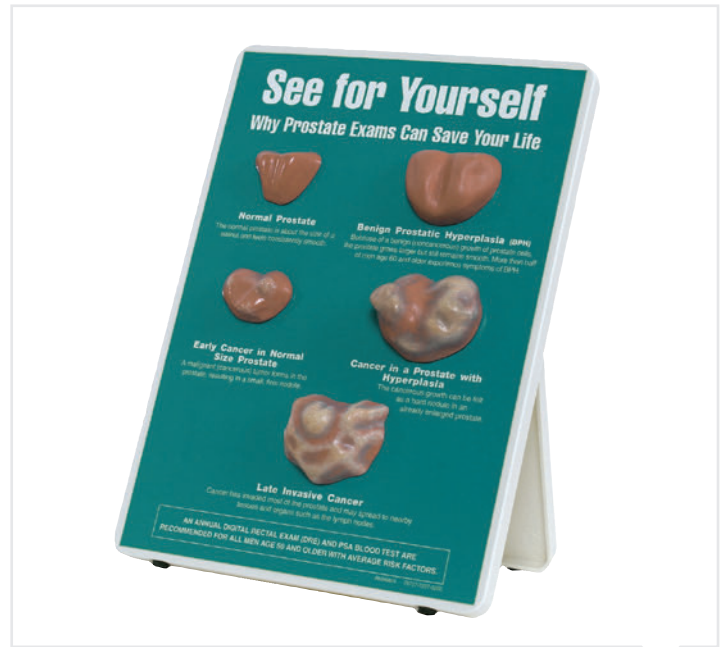
Brown Skintone M-1017934



Conditions of the Testicle Easel Display

Emphasizing the importance of monthly testicular self-examination, this 3D, handpainted easel display depicts the anatomy of a normal testicle, a testicle with a cancerous lump, and a testicle with an inflamed epididymis. A useful reminder that although not all testicular abnormalities are cancerous, only a healthcare professional can make an accurate diagnosis. Comes with protective felt cover. Available in English only. 9 x 12"

M-1018293



Why Prostate Exams Can Save Your Life Easel Display

Handpainted to simulate the appearance of actual tissue, these five 3D prostate models represent a normal prostate, benign prostatic hyperplasia, early cancer, cancer in a hyperplastic prostate, and late invasive cancer. Graphically emphasizes the need for regular prostate exams. Comes with protective felt cover. Available in English only. 9 x 12"

M-1018294

▶ More displays available online at 3bscientific.com! ◀



Condom Training Kit

Use this model to quickly teach how to use a condom safely. The anatomical structures and its firmness are realistic, so that training to put on and remove a condom happens in a realistic way. Supplied with 12 lubricated training condoms and a carrying bag. 7.5 x 7.5 x 19.5 cm; 0.35 kg

Light skin tone M-1000340
Dark skin tone M-1000341



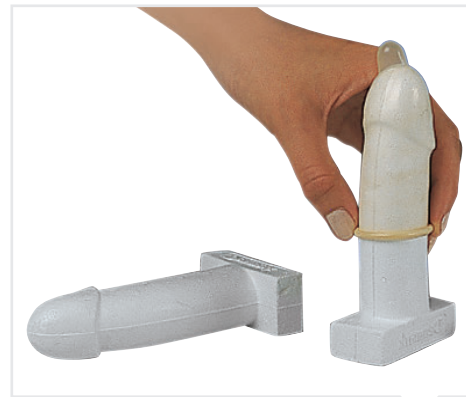
Condom Training Model

Demonstrate the proper use of condoms by using this realistic model. Includes 12 condoms, syringe, and artificial semen to simulate ejaculation. Mounted on a stand with suction cups and delivered with carrying bag. 35 x 15 x 15 cm; 2.3 kg

M-1005560

Optional Equipment

UV-Fluorescent Artificial Semen M-1005561



Condom Training Set

This economy set has 20 styrofoam penis models and provides a means of practicing the correct use of condoms, even in large groups. The reusable models can be fixed to the desktop with adhesive tape. Delivered without condoms. 14.5 cm

M-1005115



Female Condom Model

This model shows the labia and vagina up to the cervix and is designed to demonstrate and teach the insertion of a female condom. (Condoms not included). 12 cm; 0.15 kg

Dark skin tone M-1000338
Light skin tone M-1000339



Female Pelvis Contraceptive Model

This model, made from soft BIOLIKE™ material, provides a cross-section of a female pelvis for demonstrating proper contraceptive insertion. The side cutout lets viewers see and understand contraceptive placement and removal. (Contraceptives not included). 15 x 8 x 9 cm

M-1017935



Contraceptive Practice

Represents an anteverting uterus in a simulated pelvic cavity with soft vulva and vagina and a soft plastic stomach cover. A perfect tool to demonstrate the use of a female condom, contraceptive sponge and cervical cap. Supplied with carrying bag. 17.8 x 24 x 14 cm

M-1005826



AIDS Virus

This model has been enlarged millions of times to show the outer lipid membrane with protein structures and the internal nucleus which contains the viral hereditary matter (RNA). Remove the nucleus and you'll find space to place a targeted message regarding measures to take in protecting against HIV. Mounted on base. 18 x 13 x 13 cm; 0.6 kg

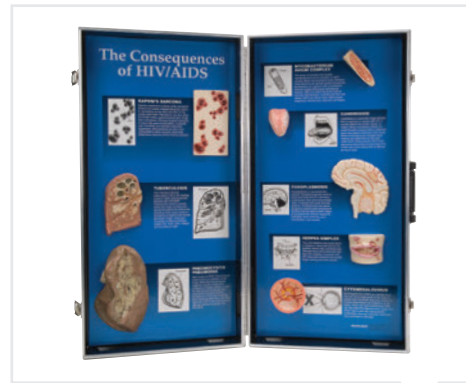
M-1000336



The Consequences of STDS 3D Display

This 3D display shows how organs and body parts can be affected by sexually transmitted diseases. The durable carrying case and easy set-up make this display ideal for clinics and sex education programs. Available in English only. 71 x 69 cm opened.

M-1018280



The Consequences of HIV/AIDS 3D Display

This 3D display helps viewers to understand what HIV/AIDS can do to the body. Contained within a convenient carrying case for storage or transport. Available in English only. 71 x 69.75 cm opened.

M-1018281

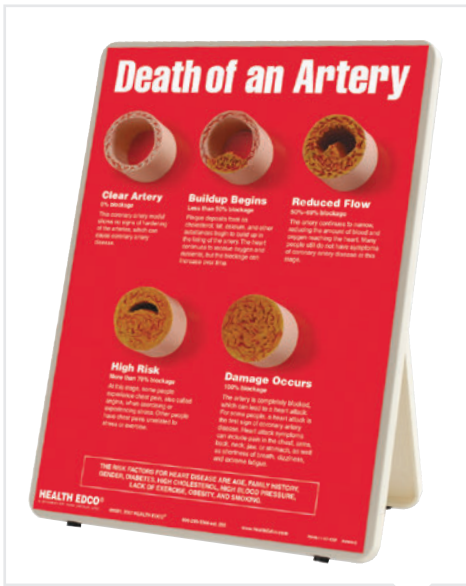


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Health Education | Reproductive Education

67





Death of An Artery Easel Display

These handpainted, cross-sectional, 3D models of arteries show patients and students the various stages of plaque build up. The interior size of each vessel diminishes, making it easy to explain a process that can eventually result in death. Comes with protective felt cover. Available in English only. 9 x 12"

M-1018290



Why Blood Pressure Checks Can Save Your Life

Patients and students learn the importance of blood pressure checks when they see these handpainted, 3D models of arteries and this cross section of the brain. Demonstrates the way high blood pressure can silently lead to heart attacks or strokes. Comes with protective felt cover. Available in English only. 9 x 12"

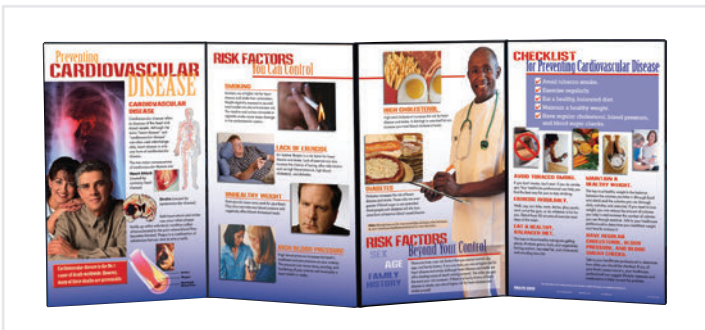
M-1018289



Blood Cholesterol & Triglycerides Packet

The need for a healthy diet is emphasized by the four blood viscosity samples in this pack. The samples show the exaggerated differences seen when analyzing blood serum for lipid and glucose concentrations.

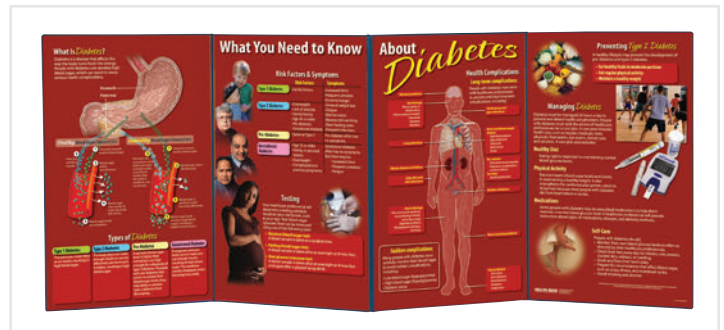
M-1018315



Preventing Cardiovascular Disease Folding Display

With practical information and vivid illustrations, this display explains cardiovascular disease and identifies risk factors, including those that can be controlled through lifestyle changes and medication. Available in English only. 58 x 22.5" opened.

M-1018305



What You Need to Know About Diabetes Folding Display

With information about risk factors, symptoms, and complications of diabetes, this folding display is a valuable resource for health educators. Explains the different types of diabetes and describes how the disease can be treated. Available in English only. 58 x 22.5" opened.

M-1018308



Consequences of High Blood Pressure Display

Life-size, three-dimensional, hand-painted models illustrate the various organs that can be affected by high blood pressure. Great for health fairs and health-education promotions. Contained in a convenient, sturdy wooden carrying case. Available in English only. 28 x 27" opened.

M-1018277



Consequences of an Inactive Lifestyle Display

This 3D display graphically shows many of the negative health consequences of an inactive lifestyle. Each permanently mounted, handpainted model has a brief description of the consequences it represents. Display is contained within its own sturdy carrying case. Available in English only. 28 x 27" opened.

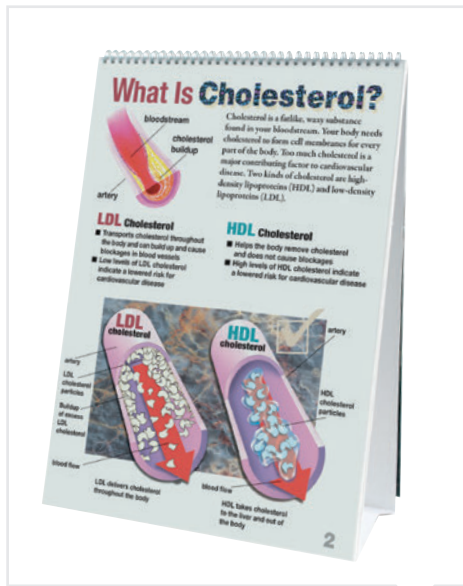
M-1018300



Occluded Artery Model

The potentially deadly effects of high cholesterol are demonstrated with this persuasive model. The tube represents an artery constricted by plaque, which forms on artery walls when there is excess cholesterol in the blood. When the model is turned over, the blood in the artery slows or stops completely. 2.75 x 6 .875"

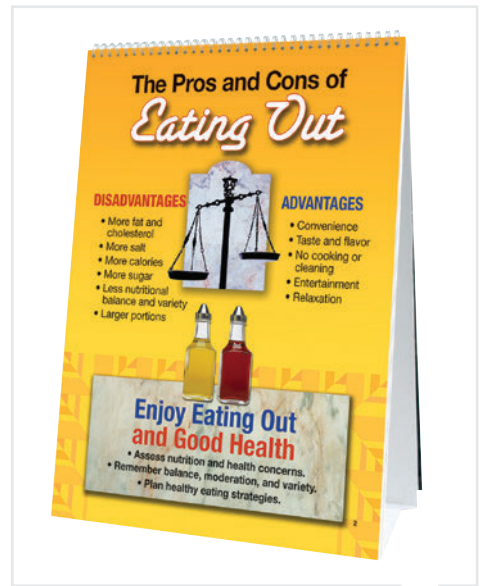
M-1018304



Cholesterol Flip Chart

Many people do not know what steps they can take to maintain healthy cholesterol levels. This flip chart explains the facts about "good" and "bad" cholesterol and the health risks associated with high cholesterol levels. Features presenter's notes on reverse panels. Flip chart is 6 panels. Available in English only. 12 x 17"

M-1018306



Healthy Eating Out Flip Chart

By outlining ways to make healthy choices from restaurant menus, this flip chart helps to solve the "eating-out dilemma." Each explains how different food preparation methods affect nutritional value. Flip chart features presenter's notes on reverse panels. Flip chart is 6 panels. Available in English only. 12 x 17"

M-1018408



Exercise Facts Folding Display

A combination of colorful art and clear explanations about the advantages of aerobic exercise and strength training make this folding display an ideal teaching tool. Also included are ways to work exercise into daily life, a discussion of exercise benefits for all ages, and information on exercise safety. Available in English only. 58 x 22.5" opened.

M-1018299



Benefits of Healthy Eating 3D Display

The handpainted, 3D models mounted on this display's unique swiveling panels contrast the benefits of a healthy diet with the consequences of an unhealthy diet. Contrasts include a healthy artery and a clogged artery, healthy teeth and tooth decay, energy and fatigue, and healthy bones and osteoporosis. Can be used as a tabletop display or mounted on a wall. Available in English only. 26.5 x 13 x 5.25"

M-1018409



Arteriosclerosis Model, with Cross Section of Artery

Changes in the blood vessels due to arteriosclerosis can be quickly and easily explained with this model. A horizontally dissected artery fork is depicted with arteriosclerotic changes in four different stages, from slightly sedimented to a completely clogged vessel. Mounted on base. 15 cm; 0.2 kg

M-1000278



Vat of Fat

Explaining how calorie intake translates into weight gain is simplified with this graphic and informative display. The plastic jar contains approx. 1 lb. of goopy simulated fat, which represents the amount of weight a person could gain in one week by consuming an extra 500 calories each day. Information on the back of the jar shows how much weight a person could gain in one year as a result of excess calories. 5 x 6.5"

M-1018309



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Health Education | Healthy Lifestyle

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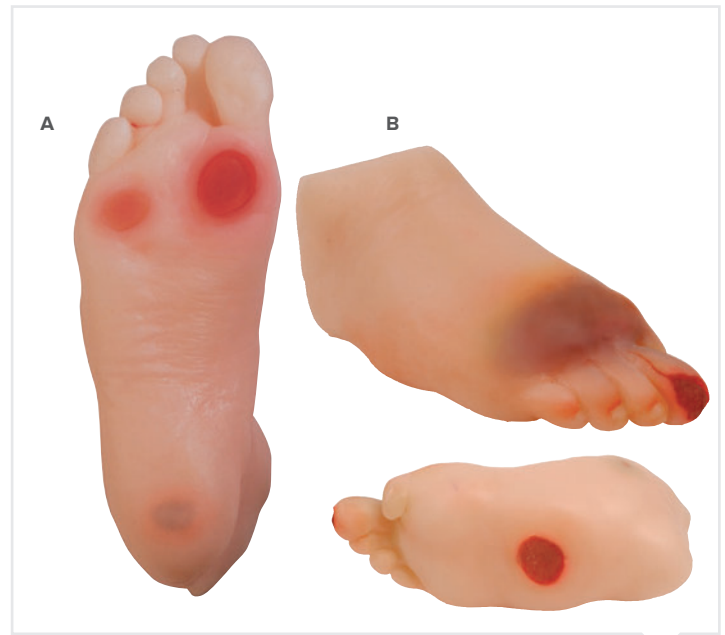




Diabetic Injection Practice Kit

Made from realistic BIOLIKE™ material, these teaching models facilitate technique practice on both an injection skin and a finger stick apparatus. The skin model may be strapped to the user's arm or leg to simulate a needle injection site, and the finger stick model may be held by the attached grip for lancet practice. Both can be punctured repeatedly. Replacement skin for the skin model and replacement finger are available. Comes with powder and carrying case. Skin model is 6 x 4.5 x 1.5", and finger stick model is 1 x 4.5 x 1".

Beige M-1018139
Brown M-1018140



A. Diabetic Foot Model

This life-size diabetic foot model can be used for both patient education and student training. Made from life-like BIOLIKE™ material, the model contains three ulcers in various stages of development as well as the features commonly associated with diabetes. A graphic reminder of the importance of proper foot care. Comes with carrying case and instruction card. 3.5 x 9.5 x 4"

M-1017936

B. Severe Diabetic Foot Model

This life-size, BIOLIKE™ replica complements the original Diabetic Foot Model by showing additional, more severe consequences of diabetes, including an amputated toe, Charcot foot deformity, and severe infection and gangrene. Comes with a carrying case and instruction card. 3.75 x 9 x 4.5"

M-1017937

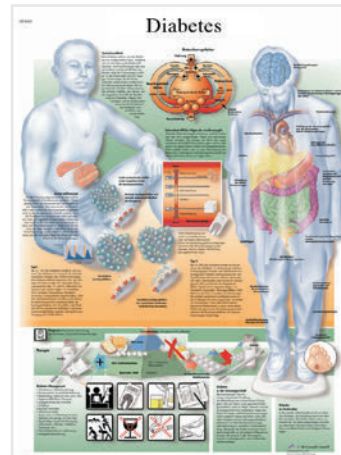


Injection Belly

This soft stomach replica will be an invaluable tool for teaching patients how to properly insert and rotate the infusion set for insulin pumps, as well as giving self-injections. The trainer has life-like skin with what feels like real stomach tissue underneath. There is a soft plastic backing to keep needles from going through and holes to allow the material to breathe and dry, should you choose to inject water. Actual insulin or other medications should not be used, as they may deteriorate the material.

The injection belly is considered disposable; however, with proper care and treatment it will serve its purpose for a long period of time. Using the smallest needles possible when simulating injections and rotating the insertion points will help prolong the life of the trainer.

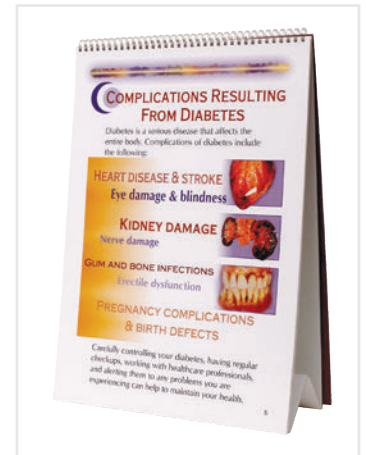
M-1013056



Diabetes Mellitus Chart

This anatomical chart details the disease diabetes, its causes and effects as well as treatments for disease. A great diabetes teaching tool for a classroom or doctors office. Laminated and printed on premium glossy (200g) paper. 50 x 67 cm (20 x 26")

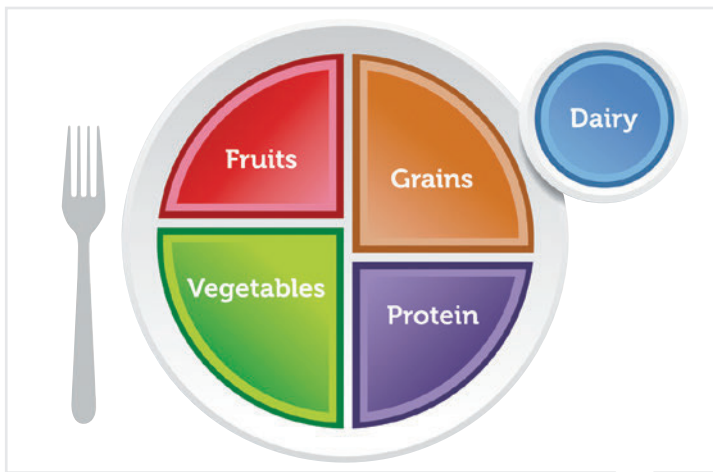
M-1001554



Diabetes Flip Chart

This flip chart explains type 1, type 2, and gestational diabetes as well as the risk factors and warning signs of each one. Information on pre-diabetes, testing, complications resulting from diabetes, and managing diabetes is also included. Features presenter's notes on reverse panels. Flip Chart is 6 panels. Available in English only. 12 x 17"

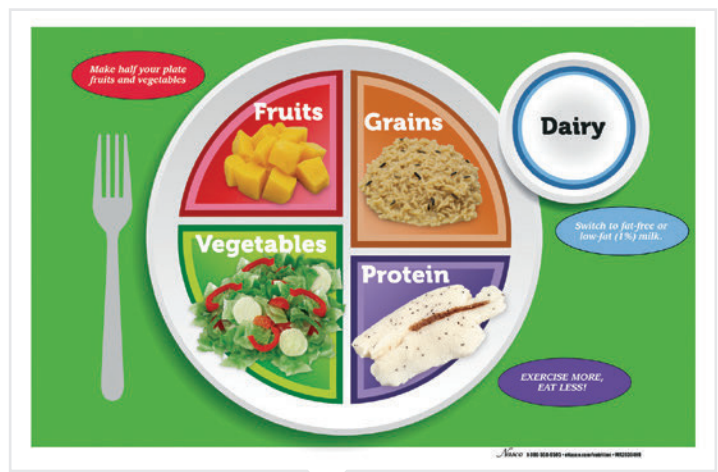
M-1018307



MyPlate

A durable plastic plate featuring the new USDA graphic to help us all fill half of our plate with fruits and vegetables, a whole grain, and a low fat protein, as well as adding a low fat dairy choice. Use the plate as an educational tool all by itself, add food replicas to illustrate many different meals on MyPlate, or give one to each student to eat from. Made of FDA approved ABS plastic safe for food use. Dishwasher safe, not recommended for microwave oven. Outside diameter 10.75". Available in English only.

M-1018316



MyPlate Tear Pads/Place Mats

The tear pad front shows the MyPlate image with appropriate food choices in each spot on the plate, while the back has simple fill-in-the-blank questions to use as a study guide or reminder for those learning good nutrition. Available in English only. Pad of 50 sheets, each 17 x 11".

M-1018322



Complete MyPlate Kit

This kit combines five plates, the display rack, and the food kit for your complete MyPlate educational teaching kit. The 42-piece food kit includes grains, protein, fruit and vegetables. See online for full product list.

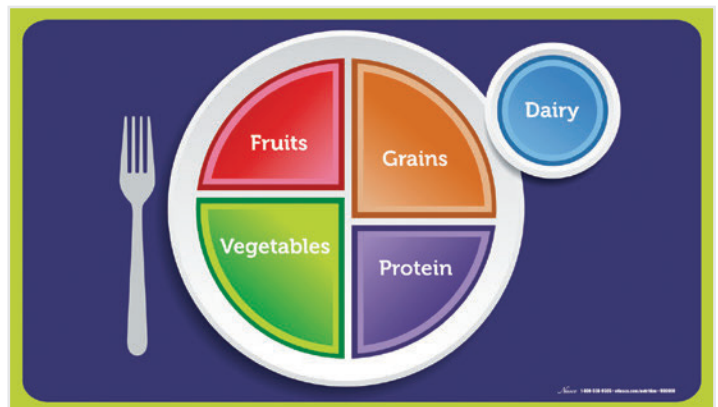
M-1018318



MyPlate CD-ROM PowerPoint®

Viewers learn an easy way to eat healthy at every meal and the answer is right on their plate. This CD-ROM includes two versions of slides teaching MyPlate. The express version is shorter and more concise with 30 slides. The full version has 50 slides and goes into more depth. This program includes printable speaker's notes and handouts. Available in English only.

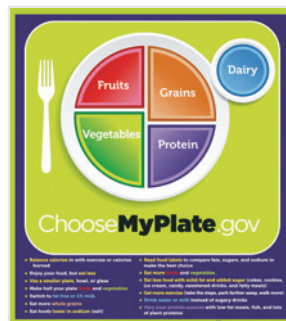
M-1018320



MyPlate Cling Place Mats

These plastic place mats, which are also food clings, are an engaging nutrition teaching tool. The place mats feature the USDA MyPlate image for use with teams or individuals. Participants can easily create many suggested meals using the new guidelines. Set of five place mats with easy cling and peel material. Available in English only. 19 x 11"

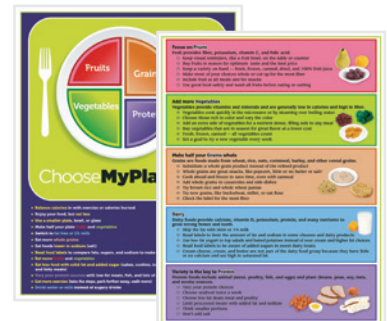
M-1018317



MyPlate Poster with Key Phrases

Unique MyPlate poster shows 13 key phrases providing clear messages about what to eat and how using the MyPlate technique will make you healthier. Available in English only. 18 x 24". Laminated.

M-1018319



MyPlate Tear Pad with Food Group Tips

The tear pad front shows the MyPlate image while the back gives tips for eating wisely in all five food groups. A simple concise tool to use in nutrition education and send home with each participant. Available in English only. Pad of 50 sheets, each 8.5 x 11".

M-1018321



Connect with us!



EMS Simulators!



Family & Friends CPR Anytime

Now anyone can learn the life saving skill of CPR, in a convenient and budget friendly manner. The self-directed learning program comes complete with a mini Anne CPR Training Manikin, CPR Skills Practice DVD, 2 Pocket Reminder Cards (One Choking and Child CPR Pocket Reminder Card and One Adult CPR and AED with hands Only Pocket Reminder Card), Mini Anne Spare Lung, Manikin Wipes (2), and Directions for Use printed inside the box. Available in English only.

Light Skin M-1018415
Dark Skin M-1018416



Infant CPR Anytime

Parents can now learn the life saving skill of Infant CPR and relief of choking in less than 22 minutes. With this new self-directed learning program, parents, grandparents and others who are responsible for the care and safety of an infant can learn these lifesaving skills and be prepared to respond during the first few minutes of a life threatening emergency. Perfect for hospital maternity wards, churches, and local community centers for hosting training sessions. Available in English only.

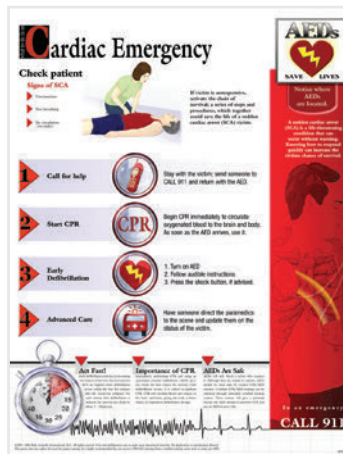
Light Skin M-1018417
Dark Skin M-1018418



Act+Fast Rescue Choking Vest

The Act+Fast Rescue Choking Vest is an invaluable tool for CPR Instructors to easily and effectively teach students the correct way to perform the Abdominal Thrust Maneuver (Heimlich) without using a manikin. When performed correctly, a foam plug shoots into the air, making teaching easy and learning fun. The trainer can be used standing, sitting, on the ground or even for choking self-rescue by using a counter or chair. 10 foam plugs included. Additionally, the red trainer features a Back Blow Pad for practicing ARC and ERC protocols.

Act+Fast Blue M-1017938
Act+Fast Red M-1014589



Cardiac Emergency

In a cardiac emergency it is important to quickly implement lifesaving steps to help the victim. This poster reinforces the basic steps to follow in a cardiac emergency. Available in English only. 18 x 23"

M-1018419



ADSAFE™ Face Shield

The user friendly design protects the rescuer and helps eliminate hesitation when performing CPR. Semi-transparent face shield allows visualization of patient's lips, mouth, and nose while protecting rescuer.

M-1018420



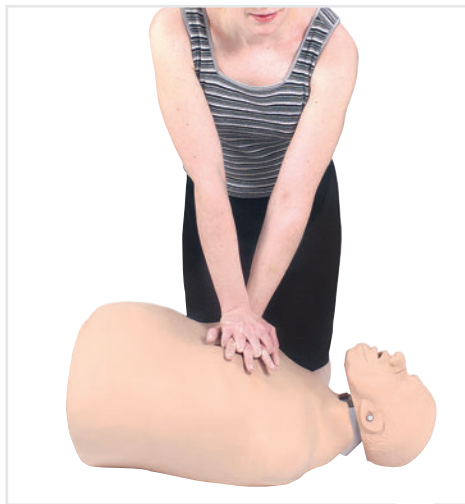
CPR Manikins

Economically priced manikins for teaching CPR. The lightweight, rugged, realistic manikin is foam-filled with no internal parts to break. Completely disposable airway system with a non-rebreathing valve

Newborn Manikin 66 x 20.5 x 20.5 cm; 2.3 kg
M-1005728

Infant Manikin 66 x 20.5 x 20.5 cm; 2.8 kg
M-1005731

Child Manikin 86.5 x 28 x 18 cm; 4.1 kg
M-1005733



Life/form® Overweight Fred Manikin – White

This unique manikin helps to prepare students to respond to a more typical cardiac arrest situation with a victim who is elderly and overweight. The airway can be setup to simulate airway obstruction or choking situations. Also included are three mouth/nose pieces, three disposable lung/airway systems, and a convenient carrying bag.

M-1005685

Additional Item Required

Lung/Airway Systems **M-1005686**

Mouth/Nose Pieces **M-1005687**



Choking Charlie

Choking Charlie is an adult torso designed specifically for training students in the performance of the Heimlich Abdominal Thrust Maneuver. Realistic anatomy and response using simulated boluses provide instructors with an excellent tool for instructing and practicing this lifesaving technique.

M-1017810



Sani-Child CPR Torso

This economical CPR torso has a single-use airway/lung/face shield system so you will never have to clean, disinfect, or disassemble it. 40 x 18 x 22 cm; 1.5 kg

Features include:

- Realistic chest rise
- Anatomical landmarks like sternum, ribcage and sub-sternal notch

M-1005752

Additional Item Required

100 Airway,Lung,Face Shield **M-1005743**
 Carrying Bag **M-1005744**



A. Sani-Baby CPR Manikin

This economical, baby-size manikin has a disposable, sanitary, single-user lung/airway and face shield system. No cleaning – no disinfecting – no disassembly. Sani-Baby features a realistic face, molded hair, defined rib cage, and xiphoid process. 66 x 20 x 20 cm; 1.8 kg

- Realistic chest rise
- Anatomical landmarks such as sternum, ribcage and sub-sternal notch

M-1005745

B. Infant Choking Manikin

This 9-month-old baby brings to you the challenges associated with foreign body obstruction in the young pediatric age group. By placing the included obstruction in the pharyngeal cavity, you will occlude the throat and initialize the need for protocol maneuvers to remove the object. When proper hand placement occurs with sufficient force, the object expels from the mouth.

M-1005778



Choking Manikins

This life-size torso allows practice of abdominal/chest thrust back blow procedures (Heimlich manoeuvre) and mouth sweep for clearing a blocked airway. When correct procedures are performed, the manikin will expel the object causing the obstruction. Made of durable vinyl to create a realistic feel. Supplied with choking objects, shirt and soft carrying bag.

Features:

- Anatomical landmarks such as ribcage, xiphoid process and jugular notch

Adult Choking Torso

M-1005724

Obese Mature Choking Manikin

M-1005684

Adolescent Choking Torso

Same features as Choking Manikins (above).

M-1005750

Child Choking Torso

Same features as Choking Manikins (above).

M-1005751

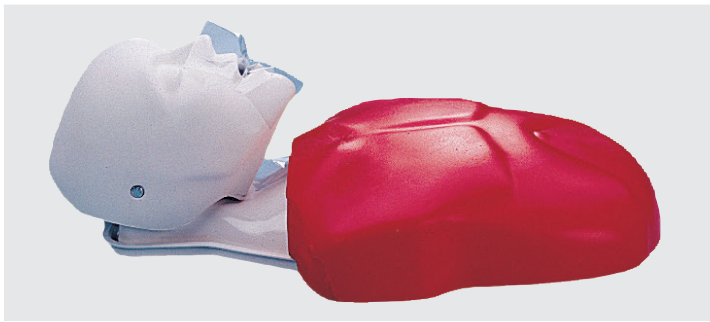


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Emergency Life Support | Choking & CPR

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Basic Buddy™ Single CPR Manikins

The one-piece, disposable lung/mouth protection system makes this manikin completely sanitary – there is no risk of cross contamination and no need to sanitize the manikins after use! Rugged carrying bags make transporting the lightweight Basic Buddy™ 5 and 10-Pack convenient (manikins fit into bags fully assembled).

Basic Buddy™

1 infant manikin, size: 20 x 14 x 7", 10 lung/mouth protection bags, one insertion tool, and an instruction manual.

M-1005637

Basic Buddy™ 5-Pack

5 infant manikins, 50 lung/mouth protection bags, 5 lung insertion tools, 1 carrying bag, and an instruction manual.

M-1005636

Basic Buddy™ 10-Pack

10 infant manikins, 100 lung/mouth protection bags, two carrying bags, ten lung insertion tools, and two instruction manuals.

M-1005635

Replacement Items

100 ct Lung/Mouth Protection

5 Torso Carrying Bag

M-1005638

M-1005639

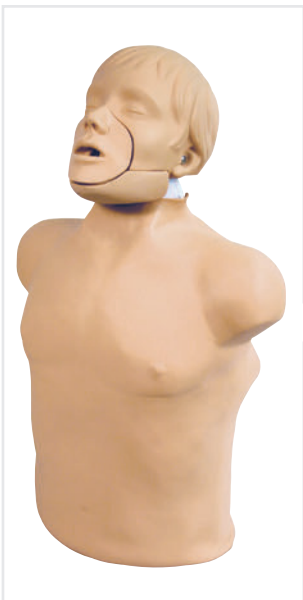
Jaw Thrust Brad

Jaw Thrust Brad utilizes simple moving-parts technology for the instruction of the jaw thrust maneuver. Unique to the industry is the function of ventilating the patient when the proper maneuver is done without tilting the head. Includes kneeling pads and carry bag. 3 year warranty. 28 x 18 x 10"

Features:

- Moveable jaw
- Individual mouth piece
- Sanitary one-way bag allows multiple users while requiring a single replacement at end of day
- Removable chest plate for adolescent and adult CPR
- Rugged vinyl skin & long-lasting foam filling

M-1013162



Brad™ Compact CPR Training Torso

This economical CPR manikin is constructed of soft, vinyl plastic over polyurethane foam for a "human" feel. Includes three mouth/nose pieces, three disposable lung/airway systems, nylon carry bag and kneeling pads. 65 x 38 x 22 cm; 4.8kg

Features:

- Longer torso for realistic abdominal thrusts
- Realistic head tilt and chin lift for opening airway
- Easy to manipulate and realistically simulate airway obstruction or choking situations
- User-friendly lung/airway design eliminates cleaning.

M-1005753



CPR White Manikin with Memory Unit

This full-size manikin allows the practice of adult CPR techniques. The memory unit (includes 6 "D" batteries) allows CPR evaluation. The performance of each skill is displayed separately while averages are stored in the memory.

M-1005617

Replacement Items

25 Sanitary Face Masks

10 Tracheal Airways

10 Lower Airways

M-1005600

M-1005601

M-1005602



CPR Prompt® Training and Practice Manikin

Designed to meet American Heart Association criteria for desirable manikin features, these are professional-quality manikins at a fraction of the cost! Comprehensive design allows for practice of Heimlich maneuver, CPR and mouth-to-mouth breathing. Realistic anatomical markings (Adam's apple, carotid arteries, navel, rib cage, chest notch) make it easy to learn correct hand placement for checking pulse, performing chest compressions, and more.

Provides valuable student feedback and other important features:

- Head tilt/chin lift required to open airway
- Proper anatomical landmarks
- Audible compression "clicker" to ensure proper technique

Ideal for group training – allows each student to have their own manikin for maximum practice time. Easy-to-clean heads are dishwasher safe and can easily be sanitized. Lung bags are replaceable. Includes a supply of face-shield lung bags, an insertion tool, assembly instructions. With age selector dial that adjusts chest compression piston for learning adult or child techniques.

Note: Only use AED pads designed for foam body manikins.

Adult/Child Manikin M-1017939

Adult/Child Manikin, 5-Pack

Includes Carrying Case
M-1017940

TPAK 700 CPR Prompt® 7-Pack

Economy package of seven CPR Prompt® manikins includes five adult/child manikins, two infant manikins, 50 adult/child face shield/lung bags, 20 infant face shield/lung bags and nylon carry case. 1 year warranty.

M-1017941

Infant Manikin
M-1018141

Infant Manikin, 5-Pack
M-1017942



Professional quality at budget prices!



CPR Prompt® CPR/AED Training Pack

All CPR instructors must be current on their skills and supplies to meet the American Heart Association CPR training guidelines. That means providing students with the latest in-class tools, including CPR voice prompt (AHA recommended) as well as AED instruction. Includes: One adult/Child manikin; CPR Prompt Rescue and practice aid voice prompt; electrode AED trainer electrode peel-off pads to fit your national brand AED trainer electrodes; 10 adult face shield/Lung bags; and heavy-duty nylon bag with room to store an AED Trainer (Not Included). 6.38lbs

M-1018142



AED Trainer 2

The AED Trainer 2 provides a variety of simulations to help responders become familiar with an AED device. This trainer provides simulated shock delivery and has no high-voltage capabilities, ensuring safety during training. It is pre-configured with 10 training scenarios that simulate realistic sudden cardiac arrest episodes. The trainer is designed for use with the AED Little Anne and AED Resusci Anne manikins by giving responses to pad placement on the manikins, but can also be used with any other manikin.

M-1018143



Connect with us!





Quality CPR Training and Water Rescue Training!

Resusci Junior with Skillguide

The Resusci Junior manikin offers realistic, high-quality child CPR education. It has full-body construction and use of an optional SkillGuide performance indicator. Students can quickly sharpen their skills in performing child CPR to high standards.

Product benefits:

- Educationally effective by focusing on the performance level of key CPR skills and techniques for children.
- Enhanced student motivation through use of the optional SkillGuide indicator that allows real-time CPR performance feedback during training.
- Cost efficient through easy to use and maintain disposable airways.
- Realistic anatomical body and landmarks provide the essential features necessary to learn realistic child handling and quality child CPR skills .
- Logistically convenient transportation provided by a durable hard case.

M-1005204



HeartStart AED

Unique in its design, the HeartStart Trainer has been developed to train individuals on how to use the HeartStart Onsite and HeartStart Home Defibrillators.

- Eight CPR/AED pre-configured scenarios
- CPR coaching feature
- Offers step-by-step instructions for performing CPR, including compression-ventilation ratios and the length of each ventilation
- Simulates operation of the HeartStart Onsite or Home Defibrillators only

M-1018429



Little Anne®, AED

The Little Anne AED Training System is a complete product offering combining Little Anne AED manikin, AED Trainer 2 and remote control into one affordable CPR-D training package.

- The unique design feature of the AED Trainers is that proper pad placement on the patient's chest is required in order to advance in the scenario, meaning students receive quality CPR-D training. The remote control unit also gives the instructor unique control of the scenario.
- Educationally effective training with realistic anatomical landmarks
- The Little Anne® AED Training System system offers all the essential features necessary for learning adult CPR, defibrillation and defibrillator pad placement.

Little Anne, AED

M-1017854



Realistic and inexpensive quality CPR training!

CPR Baby Anne

The Baby Anne manikin meets your need for a low-cost, life-like infant CPR trainer. It is the perfect supplement to the Resusci Baby manikin.

- Lightweight
- Affordable price for increased hands-on classroom practice
- Realistic chest compression and rise
- Inexpensive and easy-to-maintain airway system (one airway per student)
- Unique foreign body airway obstruction feature
- Head tilt/chin lift is required to open the airway

Baby Anne M-1005219
Baby Anne, 4-Pack M-1005221



Little Junior

Developed to provide a low-cost alternative for effective child CPR training without compromising realism. Little Junior continues in the same tradition as the popular Little Anne and Baby Anne manikins.

- Airway can be opened using head tilt/chin lift and/or jaw thrust technique
- Compression “clicker” provides audible confirmation of adequate compression depth
- Economical, disposable airways for quick and easy cleanup
- Removable, reusable faces

Little Junior M-1005228
Little Junior, Brown Skin M-1005229
Little Junior, 4-Pack M-1005230
Little Junior, 4-Pack Brown Skin M-1005231



Little Anne®, Family

Realistic, inexpensive, and lightweight adult CPR trainer with all the essential features for adult CPR learning.

Includes:

- Large Family Pack Bag on Wheels and one each of the following manikins:
- Little Anne manikin, 1 Training Mat, 2 Manikin Faces, 2 Little Anne Airways, 6 Manikin Wipes and User Guide
- Little Junior manikin, 1 Training Mat, 2 Manikin Faces, 2 Airways, 6 Manikin Wipes and User Guide
- Baby Anne manikin, 6 Airways, 10 Foreign Body Practice Objects and User Guide

Little Anne, Family M-1017855



Little Anne®

Realistic, inexpensive, and lightweight adult CPR trainer with all the essential features for adult CPR learning.

- Oral and nasal passages allow realistic nose pinch required for mouth-to-nose ventilation
- Natural obstruction of the airway allows students to learn the important technique of opening the airway
- Head tilt/chin lift and jaw thrust allow students to correctly practice all maneuvers necessary when resuscitating a real victim
- Realistic airway function means that the airway remains obstructed without proper head tilt/chin lift or jaw thrust. Chest rise is seen with correct ventilations

Little Anne M-1017852
Little Anne, 4-Pack M-1017853



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Resusci Anne Torso

The Resusci Anne® QCPR® Torso is an adult CPR training manikin now improved for multiple feedback options that provide opportunity to focus on student competency. Resusci Anne® enables objective CPR performance and logging of sessions for post-training review.

- Anne First Aid Torso with Carry Bag** **M-1017685**
- Resusci Anne QCPR Torso with Carry Bag** **M-1017691**
- QCPR Torso AED & Airway Head, with Carry Bag** **M-1017760**
- QCPR Torso Defibrillation & Airway Head** **M-1017762**

Additional Required Items

- SkillGuide **M-1017708**
- SkillReporter **M-1017707**

Resusci Anne Full Body

The Resusci Anne® QCPR® Full Body is an adult CPR training manikin now improved for multiple feedback options that provide opportunity to focus on student competency. Resusci Anne® enables objective CPR performance and logging of sessions for post-training review.

- First Aid Full Body with Trolley** **M-1017686**
- Resusci Anne QCPR Full Body with Trolley** **M-1017683**
- QCPR Full Body AED & Airway Head, with Trolley** **M-1017761**
- QCPR Full Body Defibrillation & Airway Head** **M-1017763**

Additional Required Items

- SkillGuide **M-1017708**
- SkillReporter **M-1017707**



SimPad® SkillReporter

When used with the AED and CPR-D models, you can control the heart rate and entire scenarios. This operates wirelessly too, of course. The easy-to-operate SimPad SkillReporter software offers a wide range of feedback for high quality CPR training. All important CPR data is measured. The software provides real-time feedback, saves data, and calculates the overall performance, thereby enabling a thorough debriefing.

M-1017707



SkillGuide

SkillGuide is a feedback device designed to provide real-time and summative feedback on the quality of CPR performance. For use with Resusci Anne or Resusci Baby.

M-1017708



The Resusci® Baby

The Resusci® Baby is a training model for carrying out CPR on small children. A number of feedback options have been added that offer the possibility of concentrating fully on the performance of the trainees. Measurement, evaluation and qualitative feedback are the key to developing the trainee's skills. It features a new, robust compression and respiration system that is also found in the Resusci Baby with QCPR. For full details on each product visit 3bscientific.com.

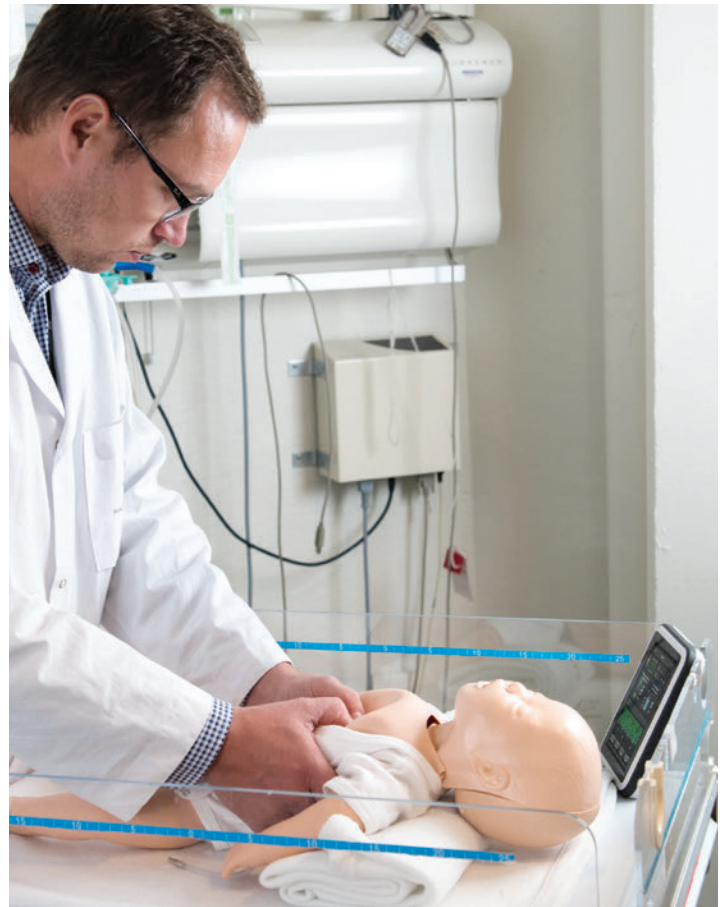
Functions:

- Realistic anatomy with head tilt, chin lift, compression depth, compression force and chest raise
- The respiratory system allows the chest to rise appropriately with a bag valve mask (BVM) and mouth to mouth resuscitation (MTM)
- Guideline compliant training
- SimPad SkillReporter

Resusci Baby First Aid with Carry bag M-1017690
Resusci Baby QCPR Full Body with Suitcase M-1017684

Additional Required Items

SkillGuide M-1017708
 SkillReporter M-1017707



Pocket CPR

This FDA cleared device reminds the rescuer what to do before initiating CPR and coaches the rescuer with feedback during CPR. Pcket CPR delivers real CPR help in a light, portable device that measures and provides real-time feedback about the rate and depth chest compression during CPR.

M-1018144



Pocket Mask

Combines a low resistance one-way valve and disposable 3M™ Filtrete™ hydrophobic filter to afford superior protection to rescuers while providing life-saving ventilations to patients.

M-1005233



Connect with us!



3B Scientific® CPRLilly PRO™



CPRLillyPro™

CPRLillyPro™ - The best choice for your professional CPR training courses. All the relevant parameters can be monitored comfortably and easily via the tablet provided. Trainers and trainees will very quickly attain the chosen training target via the direct feedback feature. The face masks can be changed, and are easy to clean. The software can control the carotid pulse and the eye movements.

CPRLillyPro™ can react by opening the eyes when spoken to by the trainee. The correct head tilt, individual carotid pulse, and the moveable jaw to use the jaw thrust manoeuvre, provide realistic scenarios. CPR training with the CPRLillyPro™ complies with the latest AHA and ERC guidelines.

Displayed training parameters:

- Compression depth
- Compression frequency
- Hand position
- Head tilt
- Respiration volume/speed (combined)
- Respiration pressure

Light Skin M-1017773

Dark Skin M-1017775

CPRLilly™

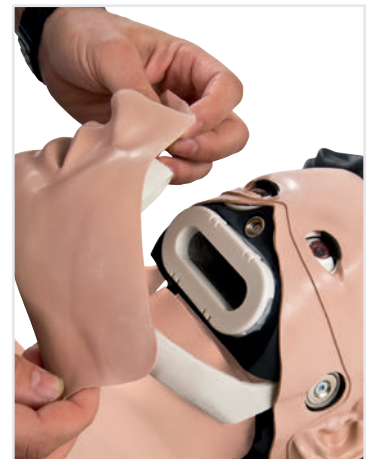
CPRLilly™ - reliable for all CPR training courses. The CPRLilly™ is hygienic, and will operate economically for a long time thanks to the use of disposable airbags and the separate air chamber system.

The face masks can be changed, and are easy to clean. The carotid pulse and the eye movements can be controlled separately by hand. When the correct compression depth is reached, a tone will sound. CPRLilly™ can react by opening the eyes when spoken to by the trainee.

The correct head tilt, individual carotid pulse, and the moveable jaw to use the jaw thrust manoeuvre, provide realistic scenarios. CPR training with the CPRLilly™ complies with the latest AHA and ERC guidelines.

Light Skin M-1017772

Dark Skin M-1017774





Adult CPR Torso

Torso with fully articulating head, neck, and jaw permitting head tilt, chin lift, jaw thrust, and neck extension. Supplied with 10 disposable airways and carrying case.

Features:

- Easily accessible chest cavity with ribcage, lungs, and heart for realism and practice of the Heimlich maneuver
- Airway block when head is forward
- Realistic chest rise
- Carotid arterial pulse points
- Eyes open and close; one pupil is dilated

M-1005819

Replacement Items

- 10 Disposable Airways **M-1005820**
- CPR Computer Link **M-1005822**
- CPR Monitor **M-1005800**



CPR Torso with Light Controller

This easy to transport torso allows the practice of adult CPR techniques. Optionally child CPR can also be practiced by changing the supplied springs inside the torso. Individual student face masks with a one-way non-rebreathing valve and disposable airways provide maximum protection against cross-contamination.

Features:

- Palpable anatomical landmarks (xiphoid, navel, nipples and rib cage)
- Adult CPR training with optional child springs
- Fully articulated head, neck and jaw
- Palpable carotid pulse

M-1005618



CPR Torso

Lightweight and easy to transport.

Features:

- Airway ball valve which allows the lungs to inflate only if the head is extended and accurately positioned
- Life-like anatomical landmarks such as carotid pulse, sternum, ribcage and sub-sternal notch
- Easy to replace mouth/nose pieces
- Soft carrying case with kneeling pads

M-1005725

Replacement Items

- 10 Mouth/Nose Pieces **M-1005741**
- 10 Airway Systems **M-1005742**



Adult CPR Torso with Light Controller

Lightweight and easy to transport.

Features:

- Airway ball valve which allows the lungs to inflate only if the head is extended and accurately positioned
- Life-like anatomical landmarks such as carotid pulse, sternum, ribcage and sub-sternal notch
- Light controller confirms correct hand placement, ventilation volume and compression
- Easy to replace mouth/nose pieces
- Soft carrying case with kneeling pads

M-1005726

Replacement Items

- 10 Mouth/Nose Pieces **M-1005741**
- 10 Airway Systems **M-1005742**



Adult CPR Manikin with Light Controller

This full-size manikin allows the training of BLS rescue techniques and CPR. The resiliency and weight of the body is very realistic.

Features:

- Natural resistance to chest compression
- Palpable carotid pulse
- Anatomical landmarks such as sternum, ribcage and sub-sternal notch
- Airway ball valve which allows the lungs to inflate only if the head is extended and accurately positioned
- Light controller which confirms correct hand placement, ventilation volume and compression depth

M-1005738

Replacement Items

- 10 Mouth/Nose Pieces **M-1005741**
- 10 Adult Airway Systems **M-1005747**



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3B Scientific® BASICBilly™



Basic Life Support BASICBilly™

Basic Billy CPR Manikin emerged by using the extensive results of studies focusing on the depth and force of compression during cardiopulmonary resuscitation (CPR). The Basic Billy CPR Manikin fulfills the latest guidelines from the AHA (American Heart Association) and ERC (European Resuscitation Council) on CPR and was designed with optimal force and compression values in mind.

With cardiac failure as one of the leading causes of death, let Basic Billy show that it is not difficult to provide help and save lives through correct cardiac massage and ventilation technique. Basic Billy is both anatomically correct and hygienic to use. The head is easy to tilt in order to open the airways for mouth-to-mouth and mouth-to-nose resuscitation. Additionally, the thorax raises as the lungs are ventilated. Mask ventilation is also possible and Basic Billy comes with 50 lung bags and 2 additional face masks for hygienic reasons. Low priced disposable airways and a convenient carrying case ensure hygienic and easy care of the manikin.

Even better, Basic Billy is actually two manikins in one as it can be used as either an adult or a child (of approximate age of 12). Just use the easy and interchangeable springs located in the back of the trainer to give the realistic depth feedback of either the adult (5cm) or child (4.5cm). Developed and manufactured in Germany.

Includes:

- 1 BLS simulator (torso) with spring for cardiac massage of adults
- 1 additional spring for cardiac massage of children (approximate age of 12)
- 5 lung bags, adult
- 5 lung bags, child
- 1 additional face mask and inner head for hygienic artificial respiration
- Disinfectant solution

Light Skin M-1012793

Dark Skin M-1017679

► For more information visit us at [3bscientific.com!](https://www.3bscientific.com) ◀



Adult CPR Manikin with Printer

This full-size manikin allows the practice of adult CPR techniques. The printer unit allows CPR evaluation. The performance of each skill is displayed separately while averages are stored in the memory. Compression and ventilation waveforms are plotted in a time sequence. Averages are shown on the display and printed on paper. (4 pens, 3 rolls of paper and 6 "D" batteries are included).

Features:

- Palpable anatomical landmarks (xiphoid, navel, nipples and rib cage)
- Enhanced student motivation through use of the optional SkillGuide indicator that allows real-time CPR performance feedback during training
- Adult CPR training with optional child springs
- Fully articulated head, neck and jaw
- Palpable carotid pulse

M-1005617



ECG Training Vest

The new ECG Training Vest offers an inexpensive way to communicate with a live patient while monitoring. Since the volunteer wears this vest there is no need to use a high fidelity simulator.

The vest is manufactured from a flesh colored fabric with four-lead monitoring capability. The vest can be hooked up to the ECG Simulator. The patient has access to the rhythm control buttons to allow them to select the next rhythm to be practiced. The ECG Training Vest includes the interactive ECG Simulator. The vest contains no electrical energy and is not for defibrillation practice.

M-1017249



Deluxe "PLUS" CRISis™ Manikin

This full body manikin offers a wide range of ACLS training possibilities including arrhythmia recognition and confirmable defibrillation. The manikin is supplied with a storage case.

The interactive ECG Simulator unit allows defibrillator and pacer training directly on the manikin. (A training without a manikin is also possible). Various ECG rhythms can be generated and displayed on an ECG-monitor (not included) for diagnostic and defibrillation training. All arrhythmias can be displayed in adult or paediatric mode so that a total of 34 rhythms are available.

M-1005649



Deluxe Child CRISis™ Manikin with ECG Simulator

This full body manikin of a 5-year old child offers a wide range of ACLS training including CPR, airway management, blood pressure measurement, I.V. injection, intraosseous infusion and more!

The interactive ECG Simulator unit allows defibrillator and pacer training directly on the manikin. (A training without a manikin is also possible). Various ECG rhythms can be generated and displayed on an ECG-monitor (not included) for diagnostic and defibrillation training. All arrhythmias can be displayed in adult or paediatric mode so that a total of 34 rhythms are available.

M-1005624



Deluxe CRISis™ Torso Manikin

This easy to transport torso allows training of ACLS procedures including CPR, airway management and oesophagus and more!

The interactive ECG Simulator unit allows defibrillator and pacer training directly on the manikin. This external unit allows defibrillator and pacer training directly on the manikin. (A training without a manikin is also possible). Various ECG rhythms can be generated and displayed on an ECG-monitor (not included) for diagnostic and defibrillation training. All arrhythmias can be displayed in adult or paediatric mode so that a total of 34 rhythms are available.

M-1005650



Rescue Manikins

Developed for life-like adult or juvenile patient handling, transportation, and extrication training. These manikins can be safely used in situations too hazardous or uncomfortable for human volunteers. Made of tough cast vinyl with zinc-plated steel frame for longevity and rugged use. They are fully articulated for positioning in widely diversified training environments. The manikins can be seated in an automobile, positioned in a smoke-filled room for fire rescue training, and immobilized on a stretcher for mountain rescue instruction. They are also useful for simulating the removal of victims from utility poles, conduits, mine cave-ins, and tunnels as well as in limitless other training procedures. Perfect to use with the Casualty Simulation Kits. Available in a variety of heights and weights with a new mixture of vinyl beads and foam to duplicate the weight and resiliency of a human body. Shipped in sweat pants. The Rescue Randy manikins are not fire resistant and are not for water rescue (unless specifically stated). Extra shipping charges may apply.

A. Rescue Manikin, 48" 16 lbs.	M-1005704
B. Rescue Manikin, 66" 55 lbs. 105 lbs. 145 lbs. 165 lbs.	M-1005700 M-1005701 M-1005702 M-1005703
C. Rescue Manikin, 72" 145 lbs. 165 lbs.	M-1005768 M-1005769
Replacement Parts 182 cm Carrying Bag	M-1005770



CPR Water Rescue Manikins

Perfect for Coast Guards, Lifeguard Trainers, and Emergency Personnel to train water rescue and retrieval as well as CPR. The manikins have articulated joints and are made of durable plastic and rust-resistant steel. When filled with water the manikins will submerge to the neck, if an additional 5 lbs. or 10 lbs. (a brick will do) is added, they will sink completely.

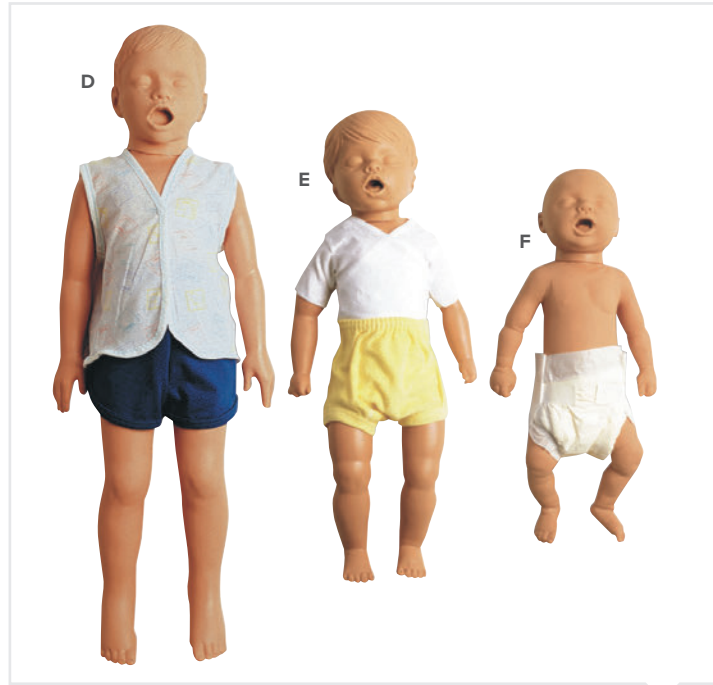
Adolescent, 48"
M-1018325

Adult, 65"
M-1005767

Replacement Parts

Adolescent, 48"
24 Airway Systems **M-1005735**
10 Mouth/Nose Pieces **M-1018326**

Adult, 65"
24 Airway Systems **M-1005765**
10 Mouth/Nose Pieces **M-1005741**



Water Rescue Manikin

These manikins allow Coast Guards, Lifeguard Trainers, and Emergency Personnel to train water rescue and retrieval. When filled with water the manikins will sink to the bottom.

D. Child Water Rescue Manikin
3 years old. Filled with water manikin weighs 20 lbs.
M-1005739

E. Infant Water Rescue Manikin
6 - 9 month. Filled with water manikin weighs 12 lbs.
M-1018327

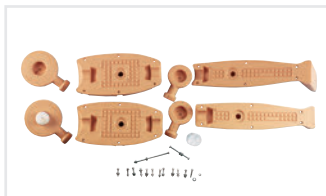
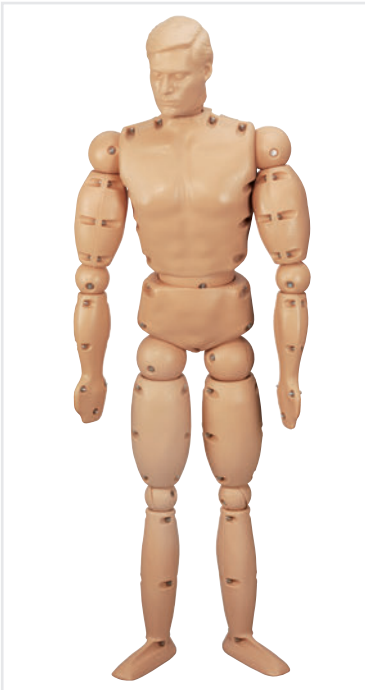
F. Newborn Water Rescue Manikin
Filled with water manikin weighs 7 lbs.
M-1005699



Bariatric Rescue Suit

It has become evident that standard patient handling techniques are no longer suitable for the extrication of morbidly obese patients. The physical limitations of the buildings in which some of these patients reside also required special consideration. The Bariatric Rescue Manikin Suit replicates the weight and the movement in body tissue associated with morbidly obese patients. This simulation is made possible by an "exo-suit" which allows the user to add up to 440 lbs. of water. When the exercise is complete, the water can be simply drained away, thus making the manikin more "portable." In its dehydrated version, the manikin can be easily transported between locations. The Bariatric Suit fits only the Regular Rescue Randy original 5'5". (165-167cm), bald manikins. Suit is for manikin use only.

M-1017943



Flexible Rescue Randy

Developed especially for the aerospace industry and wing tank fuel cell rescue training, this regular sized Rescue Randy unit can be utilized in any confined space rescue scenario. It exceeds the flexibility of the regular Rescue Randy products because both the waist and the head flex and twist to allow positioning the manikin under dashboards, in tight spots, and under things where the Regular Randy's will not go.

M-1017944



Weighted Vests

Optimize training by adding a weighted vest to rescue manikins. It's a quick and easy way to increase the complexity of training situations.

- 20 lbs. M-1005705**
- 30 lbs. M-1005706**
- 40 lbs. M-1005707**

Hollow limbs can be filled with water or sand!

Rescue Randy 9000

This brand new manikin is designed to be customized by the user for optimal training use. The manikin is made from rugged polyethylene parts that allow for the addition of varying amounts of weight to each of the pieces. You may add water, sand, or any other substance as long as you can empty the substance out of the parts. The empty manikin is easily moved and stored when training is completed. This custom-molded construction ensures constant size from one manikin to the next and allows the utilization of Randy 9000 in every environment imaginable. Each sealed piece is assembled with stainless steel hardware. The range of motion of the joints, including bending at the waist, mimics real life. Randy 9000 is perfect for RIT or Combat Challenge as well as ship-board, heavyweight, horizontal rescues or lightweight packaging exercises like spinal immobilization. Randy 9000 may be used in all weather conditions, and the joint design protects rescuers' fingers. Each manikin component is easy to replace. Watch for options to be released during the coming year. Included in these options will be thermal imaging-capable pieces.

M-1017945

▶ For more information visit us at **3bscientific.com!** ◀



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Multiple Casualty Simulation Kit

Complex wounds for testing higher levels of skill in bandaging and patient care while keeping initial expenditures low. 25.5 x 23 x 46 cm; 4.1 kg.

Includes:

- Bleeding wounds (complete with reservoir bags with pump assembly):
 - Open amputation, compound fracture of humerus, and compound fracture of tibia
 - Sucking wound of chest, gunshot wound of palm

Non-bleeding wounds:

- 24 Assorted stick-on lacerations and open fractures

Make-Up Accessories:

- Coagulant make-up blood
- Methyl cellulose for blood thickening, blood powder for 3 batches of 4.5 liters of simulated blood
- Body adhesive for stick-on wounds, casualty simulation wax
- Broken Plexiglas® for simulating glass embedded wound, colors: white, blue, brown and red
- Mist sprayer, spatulas, tongue depressors

M-1005709



Basic Casualty Simulation Kit

The most economical way to get started in simulated injuries. Re-useable wounds and refillable accessories let you practice bandaging and splinting techniques repeatedly. 33 x 25.5 x 13 cm; 2.3 kg.

Includes:

- Bleeding wounds (complete with reservoir bags with pump assembly):
 - 1 Compound fracture tibia

Non-bleeding wounds:

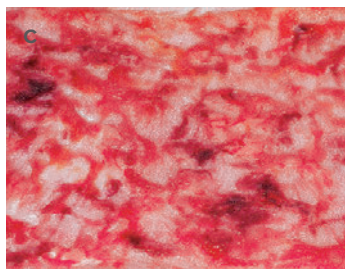
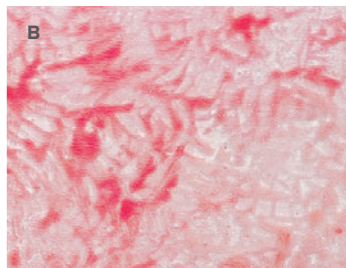
- 12 Assorted stick-on lacerations and open fractures

Make-Up Accessories:

- 1 Atomizer mist sprayer
- 1 Bottle coagulant make-up blood
- 1 Pkg. blood powder for 4.5 liter simulated blood
- 1 Casualty simulation wax
- 1 Pkg. broken Plexiglas® for simulating glass embedded wounds
- 4 Grease paint colors: white, blue, brown and red
- 1 Pkg. methyl cellulose for blood thickening
- 1 Body adhesive for stick-on wounds
- 3 Spatulas
- 3 Tongue depressors

M-1005708

Replacement supplies available at 3bscientific.com



Simulated Burns, Set of Four

Use assessment findings to identify the burn severity and type to prepare a treatment plan and to measure performance of burn management. The burns are pliable and can easily be cut into any shape to fit any area on a human patient or patient simulator/trainer. Pieces are reusable and come ready to wear. Theatrical makeup and simulated blood may be applied to add color for realism. Includes four 7 x 10" rolls listed below. Items also sold separately.

M-1018421

- | | |
|----------------------------------|------------------|
| A. 1st degree | M-1018422 |
| B. 2nd degree superficial | M-1018423 |
| C. 2nd degree deep | M-1018424 |
| D. 3rd degree | M-1018425 |



Advanced Casualty Simulation Kit

Especially suitable for use in the creation of disaster scenarios where application of makeup on multiple casualties creates the widest range of wounds. Contains specialty wounds associated with gunshots, like perforations, major avulsions, and complex jaw wounds. 41 x 33 x 56 cm; 12.3 kg

Includes:

Bleeding wounds (complete with reservoir bags with pump assembly):

- Compound fractures of humerus and tibia

Non-bleeding wounds:

- Assorted stick-on lacerations and open fractures

Make-Up Accessories:

- Make-up palette with scissors, mirror, measuring cup, mist sprayer
- Casualty simulation wax, coagulant make-up blood powder for making 3 batches of 4.5 liter simulated blood
- Broken Plexiglas® for simulating glass imbedded wound, fake dirt
- Make-up liners: red, blue, brown, white, yellow, black and flesh
- Plastalene modeling paste: white and dark, glycerine for simulating perspiration, cold cream, mineral oil, charcoal
- Latex compound to simulate scars, petroleum jelly, pressure sensitive tape
- Methyl cellulose for simulated blood thickening
- Body adhesive for stick-on wounds, spatulas, tongue depressors, applicators/swab sticks, cotton balls, cotton, tissues, and make-up sponges.

M-1005710



Neonatal Wound Kit

For use on any newborn manikin. These wounds represent the major complications associated with critical neonates. Development of each wound coincides with the S.T.A.B.L.E. program, which consists of Sugar, Temperature, Airway, Blood pressure, Lab work, and Emotional Support.

M-1018426



E.M.T. Casualty Simulation Kit

This complex EMT kit uses components applied to human and manikin patients for the widest variety of training situations possible. Wounds can be strapped on, stuck on, created from wax, and made to bleed to challenge both the volunteer and the professional in areas of burns, lacerations, fractures of arms and legs, and amputations; a good kit to simulate community disasters like bus accidents or building explosions. 61 x 23 x 46 cm; 14.6 kg

Includes:

Bleeding wounds (complete with reservoir bags with pump assembly):

- Jaw wound, abdominal wound with protruding intestines, sucking wound of chest, compound fractures of humerus, femur, and tibia, laceration of the forehead, open amputation, gunshot wound of palm

Non-bleeding wounds:

- Assorted stick-on lacerations and open fracture wounds
- Phosphorous burn of the hand, face in shock
- 2nd, & 3rd degree burn of the face, chest, back, hand, and forearm

M-1005711



Moulage Movie

Moulage instruction is hard to find, unless you look at this Moulage Movie. Produced in conjunction with a leading artist using Hollywood-training techniques and years of military experience, the Moulage Movie explains the use and application of every portion of the Casualty Simulation Kits. Start simple and go for the realism; each segment of moulage is represented within the frames you'll see during this 45-minute presentation. Use it as a base to build your repertoire of the most realistic moulage to add challenge to your next casualty incident.

M-1018145



Connect with us!





Life/form® Pericardiocentesis Simulator

The Life/form® Pericardiocentesis Simulator is designed specifically to teach the skills needed to perform this difficult procedure correctly, as well as ongoing chest tube maintenance and the management of pre-hospital chest trauma. The simulator has a pressurized tension pneumothorax site and a site for the surgical placement of a functional chest tube. Fluid color, volume, and viscosity can be controlled by the instructor. The manikin may be used with any commercially available closed water seal drainage unit. Pericardiocentesis may be performed in the left subxiphoid space and in the left fifth intercostal space. Accurate placement of the needle will allow for the withdrawal of fluid from the simulated pericardium. Includes fluid reservoir bag, foot pump, surgical skin pads, subcutaneous surgical pads, nurse training pads, pneumothorax pads, blood powder, methyl cellulose thickener, simulated pericardium, IV bag, and a hard carry case.

M-1005595



Chest Tube Manikin

This manikin is designed to specifically teach the theory, anatomy and skills needed to manage pre-hospital chest trauma as well as ongoing chest tube maintenance. The right side of the manikin has two cut-away viewing areas to provide awareness of the anatomical relationships between the skin surface, musculature, ribs and lungs. The left side has a pressurized tension pneumothorax site to relieve air that has accumulated within the pleural space and is restricting lung inflation. There is also a site where chest tubes may be surgically placed to treat pleural effusion by draining fluids from the pleural space. The fluid color, volume and viscosity is controlled by the instructor. The Life/Form Chest Tube Manikin is perfect for teaching the concepts and mechanics of closed water-seal drainage systems like "Pleur-Eva" type units.

M-1017946



Pneumothorax Simulator

This torso allows an instructor to teach and a student to practice properly inserting a needle to permit built up air pressure to escape the thorax. This model will allow emergency medical personnel to develop the needed skills before administering to a live patient. The torso accepts needle thoracotomy in the second intercostal space in the midclavicular line, or the fifth intercostal space in the midaxillary line. Simulator comes complete with replaceable lungs, a rib cage, and a soft, life-like replaceable skin. Unit can be punctured 75 to 100 times before replacement is necessary.

M-1005713



Life/form® Adult Sternal Intraosseous Infusion Simulator

The Life/form® Adult Sternal Intraosseous Infusion Simulator is a first of its kind dramatic training aid designed to demonstrate, simulate, and prepare all levels of health care professionals for use of the sternal intraosseous approach. Created with the consultation of experts that developed this technique, incredible realism and accurate landmarks will allow students to simulate this new life-saving procedure with skill, confidence, and accuracy. This procedure is a quick and simple alternative to conventional IV infusion. It saves time and saves lives in demanding emergency environments. The simulator uses a replaceable bone that is designed to be rotated and punctured several times, extending the life of the simulator. The sternum may be filled with simulated blood to better visualize true flashback.

M-1017947



Tracheostomy Care Simulator

The simulator replicates an adult male containing oral and nasal passages and all appropriate anatomy — pharynx, epiglottis, trachea, esophagus, stoma, cricoid cartilage, and representative cervical vertebrae. The chest area contains left and right bronchi and the bronchial tree. The esophagus “dead ends” 2" below the trachea opening. The side of the neck and chest area over the bronchial tree allow viewing of the suction and trachea tube.

The viewing window at the bottom of the simulator shows the location of a suction catheter in the right bronchus (seen) or left bronchus (unseen). Oral, nasopharyngeal, nasotracheal, and tracheal suctioning can be practiced along with cleansing of the stoma area. Changing dressings and ties is also possible. Tracheostomy tube is not included.

M-1005592



Cricothyrotomy Simulator

The Cricothyrotomy Simulator offers the perfect alternative to cadavers. Palpable landmarks include the cricoid and thyroid cartilage. The prominent larynx is prominent on the hyperextended neck. All landmarks are accurately placed and allow for fast action. The “trachea” in this simulator is replaceable as the “airway” passes completely through from top to bottom. This allows checking the stylet and obturator placement once the “stab” has been made. Complete with a full-size neck, ties can be used to hold the obturator in a secure position. Comes complete with five replacement skins and five cartilage inserts, REN cleaner, instruction guide, and a durable carrying case. 3 year warranty.

M-1017239



Deluxe Cricothyrotomy Simulator

Designed for needle or surgical cricothyrotomy. Landmarks include thyroid cartilage, cricoid cartilage, and cricoid membrane. Inflation of simulated lung verifies correct placement. Adult and 3-year-old tracheas and soft carry bag included. With four overlay skins. 3-year Warranty.

12" x 8-1/2" x 9-1/2"

M-1017948



Cricotracheotomy Trainer

An extremely realistic alternative to using animal tissue or cadavers. The soft tissue has the feel of real skin and the unique trachea make it a very effective teaching and learning tool. Using a simple disposable trachea transforms the trainer into an effective low-cost system. See 3bscientific for key skill and features.

M-1005180



Life-like range of motion!

STAT Baby - Training for Life

Realism in pediatric training no longer crawls at old technology rates. STAT Baby brings you the most life-like simulator for infant care utilizing new materials for tactile awareness during patient assessment. Developed in conjunction with leading pediatric physician involvement, this baby contains a wide range of skill sets in a simple format that is affordable to all. The infant is sized to a 9-month-old and weighs 18 lbs. The size, heft, and feel of this child will stir your emotions when you pick it up.

Features:

- Intraosseous leg
- Peripheral IV sites on hand and foot
- Intramuscular and subcutaneous injection sites
- Umbilical catheter option
- PICC line
- ET tube insertion
- Tongue edema and laryngospasm
- LMA insertion
- Trachea care
- NG tube placement with fluid reservoir
- Feeding tube care
- Rectal medication
- 6 pulse locations (2 each brachial, femoral & carotid)
- Defibrillation with shock level of 2-4 joules per kg
- Foley catheter insertion (female)
- Pneumothorax

M-1005779



Nita Newborn™ Infant Venous Access Simulator

A unique, anatomically correct female baby developed to teach and practice the vascular accessing of newborns and infants. Barely discernable blue Dermalike™ veins are under the replaceable translucent skin on the head, arms and the right leg. Veins give realistic "pop" and flashback when needle is properly placed. The veins presented include the temporal, external jugular, post-auricular, basilic, cephalic, saphenous and popliteal. Practice accessing, securing, site care, and maintenance for standard IVs and PICC (Peripherally Inserted Central Catheter). A redesigned umbilicus and umbilical valve allows repeated catheterization with a 5FR umbilical catheter. Nasal and oral openings allow placement of nasal cannulas, as well as nasogastric, and feeding tubes to teach suctioning, securing, dressing, cleansing, and maintenance.

M-1005833

Replacement Items

- | | |
|---|------------------|
| Veins | M-1005835 |
| Navel | M-1005836 |
| Artificial blood, 4.5 Liters | M-1005837 |
| Arm Skin (right & left), w/ Leg Skin (left), Scalp, Veins | M-1005834 |



PALS Baby with ECG-Simulator

The ALS baby is a portable skill trainer for realistic infant resuscitation training. The manikin represents a three-month-old infant with anatomy that offers exceptional realism for individual training. Complete training kit includes: ALS Baby Manikin, molded plastic carry case, 5 intraosseous (IO) leg replacement pads, pulse bulb, lubricant jelly, Heartsim 200 unit and directions for use.

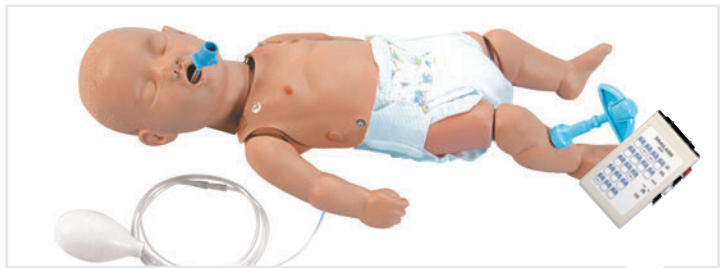
Product benefits:

- Educational effectiveness - through practicing basic and advanced CPR skills
- Multifunction use - facilitates training of multiple skills needed for infant ACLS training
- Cost efficient - durable and dependable for long-term use and cost efficiency
- Portable infant ACLS skill trainer for training in all environments

Product features:

- Realistic airway anatomy with tongue, oropharynx, epiglottis, larynx, vocal cords and trachea
- Practicing of bag-valve-mask ventilation, oral and nasal intubation and use of LMA (Laryngeal Mask Airway)
- Professional Rescuer CPR can be performed
- 3-lead, 4 connectors ECG monitoring
- Intraosseous needle insertion with aspiration of bone marrow
- Sellick Maneuver can be performed

M-1005200



Pediatric ALS Trainer Complete with Arrhythmia Simulator

Features include bag valve mask ventilation, intubation head, oral or nasal intubation, Sellick's Maneuver, accepts NG tube, four lead monitoring, brachial pulse, external chest compressions, jaw thrust, IV sites in hand and arm, two IO legs for intraosseous needle insertion, and aspiration of bone marrow, scalp vein for palpation, cranial sutures, and fontanels. Soft carry bag included. 57 cm; 1.6 kg

M-1005759

Replacement Items

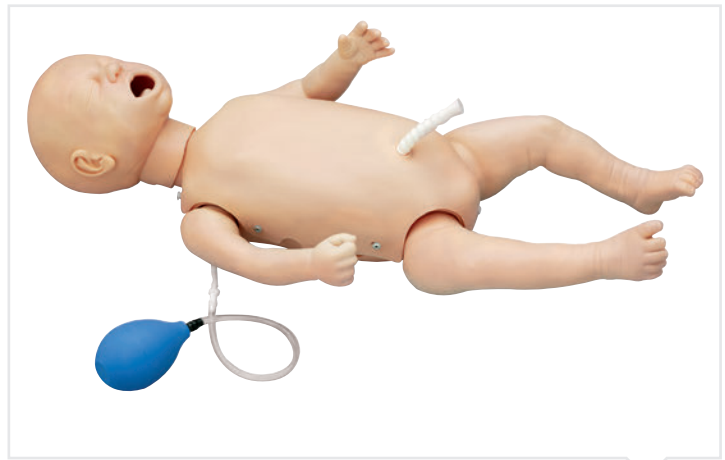
- | | |
|---|------------------|
| 2 Arm/Hand Skins | M-1005762 |
| 4 Leg Skins | M-1005761 |
| Arm/Hand Vein Set | M-1005763 |
| 4 Lungs/Stomachs | M-1005764 |
| 12 Intraosseous Bones w/ Blood Capsules | M-1005760 |



Advanced Life/form® Infant Crisis™ Manikin

Everything you need in one manikin! This dramatic, state-of-the-art training manikin is a complete resuscitation system designed for teaching life-saving techniques for infants. Ideal for pediatric advanced life support, nursing, hospital, paramedic, and EMT training at every level. Tactile and visual realism combine to provide the most realistic training possible. The most comprehensive PALS trainer available, the manikin allows practice of 4-lead ECG monitoring, IV therapy, umbilical catheterization, airway management, intraosseous infusion, and CPR – all in one manikin! The unique chest skin with an umbilical cord allows practice of proper techniques in umbilical catheterization, including cutting and clamping. Fluid may be aspirated through the umbilicus, making this training manikin incredibly life-like. An IV arm and leg allow for realistic practice of pediatric venipuncture. The cephalic and basilic veins are accessible on the IV arm, in addition to the dorsal venous arch on the hand; the great saphenous veins are accessible on the IV leg, as well as the dorsal venous arch on the foot. An intraosseous infusion leg demonstrates and simulates the intraosseous infusion procedure. Featuring realistic anatomy and size, the airway management head is ideal for practicing airway management skills on an infant. Includes a hard carrying/storage case. 3-year warranty.

M-1005658



Basic Life/form® Infant CRISIS™ Manikin

This full-body infant manikin was created to offer realistic training and practice of infant airway management and CPR education. Anatomically correct in both size and detail. Anatomical landmarks provide key features necessary to learn proper infant handling in emergency situations. Also allows practice of intubation, and suction techniques can be performed and evaluated. Designed for use with an uncuffed endotracheal tube measuring up to 1/8" (4 mm) inside diameter. Manikin can be upgraded by adding the Manikin Modular Component upgrades available. Includes artificial blood, IV bag, umbilical cord replacements, carry case, spray pump lubricant, and instruction manual. Three-year warranty. See website for more details.

M-1017248

Life/form® Deluxe Infant Crisis™ Manikin with Interactive ECG Simulators

Features the same quality components as the M-1005658 with the addition of the hand-held Interactive ECG Simulator.

M-1018146



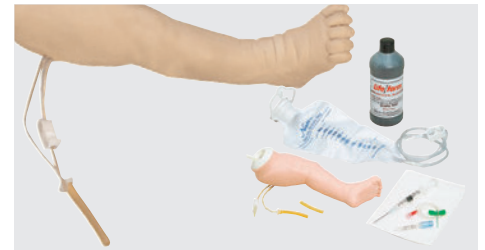
Upgrade as your skills increase!



Start with Resusci® Baby™ M-1017684 or Life/form® Crisis Baby - M-1017248



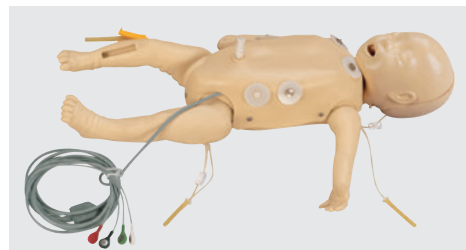
1. Add an IV Arm - M-1017949



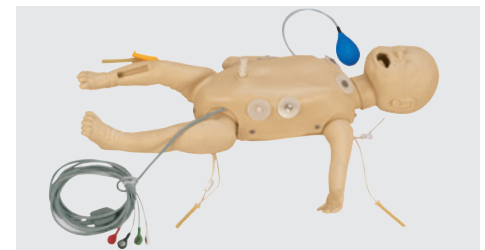
2. Add an IV Leg - M-1017950



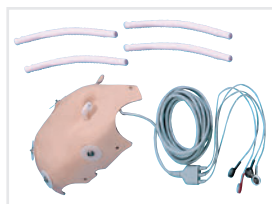
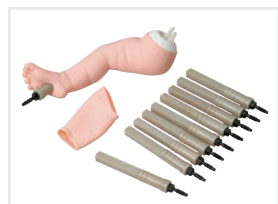
3. Add the Single Intraosseous Infusion Leg - M-1017951



4. Add the ECG/Umbilical Cannulation Skin - M-1017952



5. Add the Airway Management Head - M-1017953



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CPR Cathy Infant Manikin with Electronics

The infant manikin can be filled with water to approximate the same weight and "feel" as a real child of corresponding size. Realistic rise and fall of the chest is provided when air enters under the chest overlay. Torso features life-like rib cage, sternum, xiphoid process, and suprasternal notch to help train effective compression technique. Optional trouble-free electronics housed outside of the manikins offer a unique, patented system for monitoring correct performance during CPR training. Sensors activate lights and/or an audio signal to indicate correct lung ventilation, depth of compression, and correct finger or hand placement. Includes a rugged nylon carrying bag with 12 disposable lungs. Three-year warranty.

M-1017247



Infant Airway Management Trainer

The Infant Airway Management Trainer provides the realistic anatomy of a 3-month-old infant for teaching and practicing basic and advanced airway management skills. The realism is further enhanced by the elasticity of our new unique tissue and skin material.

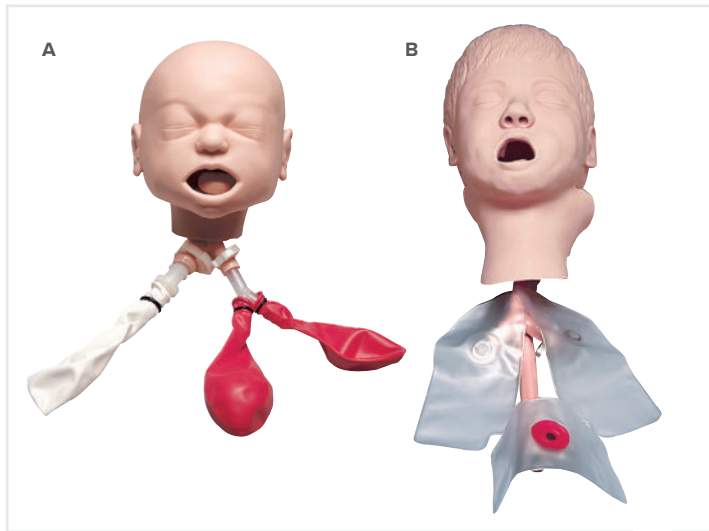
M-1017246



Advanced Infant Intubation Head with Board

This station trainer incorporates new skin technology. This new material eliminates tearing of the airway, caused by beginning student intubation attempts. Translucent property allows for life-like illumination of the airway and neck as the skill is attempted. Vocal cords are highlighted for easy viewing, the tongue swells, and all the anatomical landmarks are present. Three-year warranty.

M-1017236



Airway Management Trainers

Realistic anatomy includes mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and esophagus. Separate lungs for auscultation. Inflatable stomach bladder indicates esophageal insufflation. Practice suctioning and oral and nasal intubation techniques. Each Trainer includes a stand to mount head, pump spray lubricant, and hard carrying case. 3 year warranty.

A. Infant Trainer with Stand

The infant airway management trainer features realistic size and anatomy and is perfect for practicing airway management skills on an infant. Can be attached to a Resusci® baby brand CPR manikin. 20 lbs.

M-1017954

B. Child Trainer with Stand

A simulated head of an 8-year-old child featuring realistic size and anatomy. Perfect for practicing airway management skills on pediatric patients. Attaches directly to the currently produced version of Resusci® Junior. 20 lbs.

M-1005625

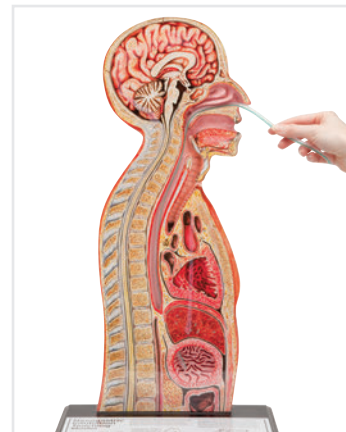


Pediatric Airway Management Trainers

Designed to teach oral and nasal endotracheal intubation procedures on children. An excellent choice for student training, both trainers come with teeth, uvula, vocal cords, glottis, epiglottis, larynx, arytenoid cartilage, trachea, esophagus, and inflatable lungs and stomach. Color highlighted vocal cords for easy laryngoscope viewing. Infant and 3-year-old accept 2.5 mm and 4.0 mm endotracheal tubes respectively. Each manikin comes with sturdy nylon carrying bag and lubricant.

Infant Intubation Head

M-1017245



Nasogastric Intubation Model

This instructional model shows a median section through nose, mouth, pharynx, trachea, esophagus and stomach. Plastic feeding tubes or catheters may be passed through the nose or mouth into the esophagus and stomach. A tracheostoma has been added to demonstrate endotracheal aspiration.

M-1005568



Newborn Pedi Simulator

This anatomically accurate newborn simulator features a fully articulating head, neck, and jaw, permitting head tilt/chin lift, jaw thrust and neck extension. Realistic mouth, trachea, bronchi, lungs, and distensible stomach for practicing gastric suctioning and feeding exercises. Airway with cricocartilage permits intubation, suctioning, and the Sellick maneuver. Realistic internal organs for unparalleled CPR performance.

- This simulator is ideal for training:
- Airway management
- Femoral IV
- Intravenous access
- Umbilical catheterization
- IO access

M-1014584



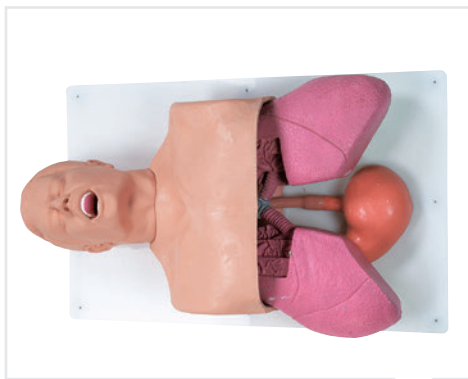
Simon® Multipurpose Airway Trainer

Supplied with 6 neck collars, 3 cricocartilages, membrane tape and carrying bag.

This upper torso features:

- Realistic chest cavity with trachea, bronchi and lungs, heart and stomach
- Nominal 18mm airway
- Anatomically accurate mouth, tongue, airway and esophagus
- Fully articulating head, neck and jaw
- Wide, straight, stiffer epiglottis and realistic vocal cords
- Soft neck with cricocartilage

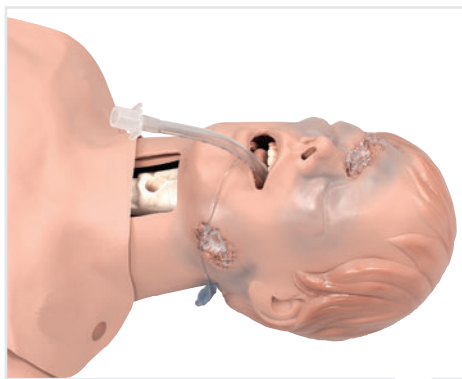
M-1005827



Adult Airway Management Trainer

Detailed anatomy provides a clear picture for intubation training: sculpted alveolar sac, bronchial tree, blood vessel structures of the cross-sectioned and exposed flexible lungs, interior main bronchus and oral/nasal pharyngeal spaces. Combine these with an airway complicated by breakout teeth, tongue edema, and laryngospasm, and this airway trainer really stands out. The stomach swells with esophageal intubation, or excessive pressure with the BVM during rescue breathing, and it is also has the capability of vomiting. This multi-tasking manikin comes complete with instructions for use, soft carry bag, lubricant, and replaceable lungs and stomach.

M-1005774



Critical Airway Management Trainer

This very difficult intubation head, coupled with the CPR torso, supplies the challenges for initiating respiratory care to the critical patient. By using the features of tongue swelling and laryngospasm the instructor creates a critical airway management problem that requires the student to perform cricothyrotomy. In addition, two external and one internal bleeding wounds demand attention with suctioning and bleeding control. 3 year warranty.

M-1017955

Adult Replacement Lungs/Stomach

For the Critical Airway Management Trainer – 3 Pack.

M-1017956



Airway Larry Adult Airway Management Trainer

This trainer simulates a non-anaesthetized patient and features anatomical landmarks such as: teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, cricoid cartilage and stomach.

Train the following procedures:

Oral, digital, and nasal intubation E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., and Combitube® insertion, Sellick maneuver, ventilation, CPR, suction techniques, and proper cuff inflation call all be practiced and evaluated.

M-1005633



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Life/form® NG Tube & Trach Skills Simulator

The Life/form® NG Tube & Trach Skills Simulator aids the instruction and practice of vital tracheostomy skills and gastrointestinal care procedures through nasal and oral access. This simulator features realistic landmarks, trachea, esophagus, lungs and stomach. For exceptional realism, methyl cellulose can be mixed with water to simulate mucous-like fluids in stomach and lungs of a real patient.

- Dressing changes and cuff inflation
- NG tube care, including insertion, irrigation, and removal
- Gastric lavage and gavage
- Feeding tube insertion and removal with the ability to practice feeding
- Nasoenteric and esophageal tube care
- Oropharyngeal and nasopharyngeal care
- ET tube care.

M-1006058



Airway Management Trainer

Realistic practice is the key to developing proficiency in airway management skills. The Airway Management Trainer's life-like upper torso and head simulates real world complications when practising a variety of intubation, ventilation and suction techniques.

- Realistic anatomical features allow demonstration of Sellick Manoeuvre and laryngospasm
- Practical training in clearing an obstructed airway and suctioning of liquid foreign matter
- Provides visual inspection of lung expansion and auscultation of breath sounds
- Simulates stomach inflation and vomiting situation
- Airway Demonstration Model is standard with each trainer
- Can be used with Trachlight products
- Improved airway allows insertion of Laryngeal Mask Airway and Combi-tube

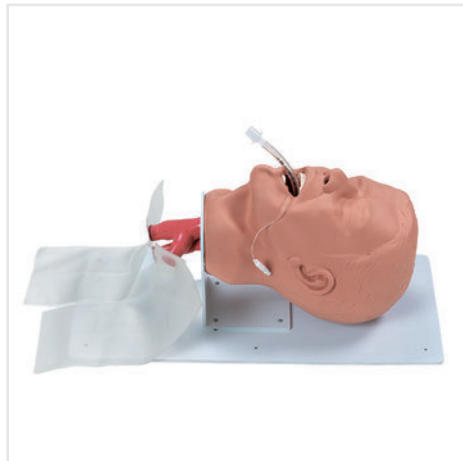
M-1005214



NG Tube Insertion Trainer

Use this economical trainer for instruction of nasogastric tube insertion and care. The esophagus and stomach reside within the head for ease in storing and transporting to various classrooms or lab tables. The head comes mounted on a flat plate to hold it steady. No moving parts and simple construction assure longevity. The only replacement part is the stomach bag. Clean up is easy and quick.

M-1017250



Economy Adult Airway

This detailed adult intubation head comes mounted for clinical teaching and practice of advanced airway management. Intubation procedures and skills, including anatomy knowledge and recognition, endotracheal intubation, nasotracheal intubation, use of field emergency airway adjunct tubes like LMAs and Combitube, securing, and suctioning, and maintenance of the installation can all be practiced with this unit.

M-1005780



Intubation Head

This model is especially designed to instruct and practice endotracheal intubation. The accurately modelled life-size head allows the correct depth, angle, and pressure of insertion of a laryngoscope to be taught. Mounted on base. Delivered without laryngoscope.

M-1005102



Endotracheal Intubation Simulator

In securing an airway, endotracheal intubation requires the highest skills and is accompanied by risks. To enable you as emergency medical staff to perform intubations, you should certainly use the opportunity to practice this during the administration of anaesthetic in the operating room. The intubation simulator provides exceptionally good and realistic intubation training, enabling you to:

- Acquire both the skill of oral and nasal tracheal intubation.
- Acquire the skill of handling supraglottic airway devices (e.g. laryngeal mask airway, esophageal gastric tube airway).
- Confirm left and right air sound with a stethoscope
- Determine ventilation of one lung

M-1005396



Airway Management Trainer

Made of soft, realistic vinyl plastic over polyurethane foam. Supplied with 3 disposable lung/airway systems, 3 mouth/nose pieces and nylon carrying bag with kneeling pads.

Features include:

- Long torso for realistic abdominal thrusts
- Realistic head tilt and chin lift for opening airway
- Anatomical landmarks such as sternum, ribcage and sub-sternal notch
- Airway can be easily manipulated to simulate airway obstruction or choking situations

M-1005753



Laparoscopic Trainer

This innovative design not only simulates realistic body tissue but provides an alternative to the use of animals. The design is unique in having a replaceable chest wall with ribs that are encased into the realistic simulated flesh that forms the torso.

This fleshy part is replaceable and can be used for up to 25 incisions. It is housed in a white plastic torso-shaped box that is firmly secured and has strong sucker-feet to ensure non slip use on smooth table-top surfaces. The torso presents as a patient lying on his back.

M-1005175



Surgery and Laparoscopy Torso

Aimed at all levels of surgeons in training whose surgical skills require extra practice. Once set up, the torso can be used to self-educate using his/her preferred surgical laparoscopic instrumentation for a variety of techniques.

M-1005135

Additional Items

- | | |
|--------------------------------|------------------|
| Organ Board | M-1005136 |
| 2 Neoprene Sheets | M-1005137 |
| Abdominal Skin w/ Fatty tissue | M-1005138 |



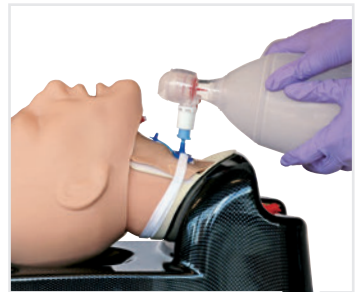
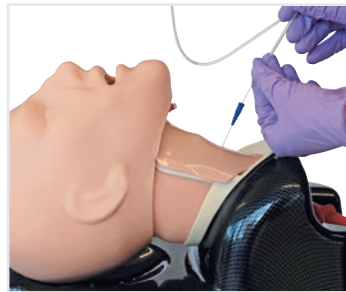
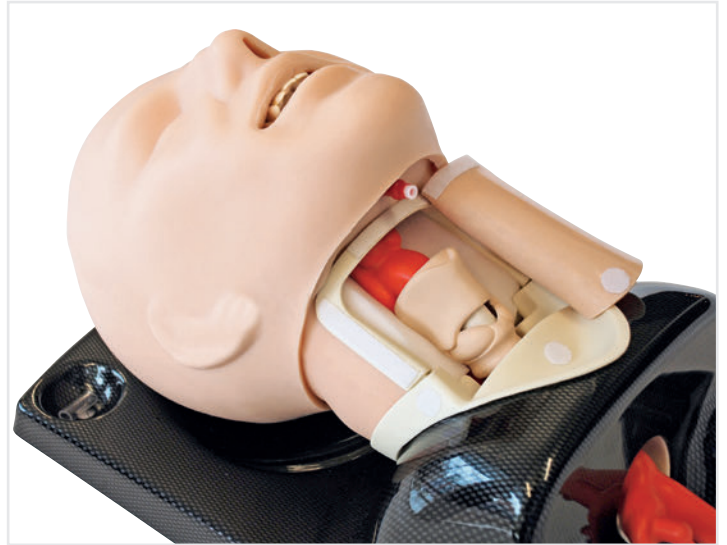
Laparoscopic Trainer

The Portable Laparoscopic Trainer is designed to provide low cost assistance in laparoscopic training.

- Supplied with 4mm black Neoprene skin
- Simple to assemble and ready for use in seconds
- Works with wet tissue (eg. Pig liver) or dry (eg. foam)

M-1005139

AirSim Models



AirSim Advanced Model

The AirSim Advanced Model features the uniquely constructed AirSim airway, designed to provide true, anatomically correct and visually accurate internal features.

The addition of a "real-feel" skin covering provides a more realistic bag mask ventilation training experience. AirSim Advanced features an improved neck design allowing for accurate articulation.

AirSim Advanced also features an anatomically accurate nasal passage, inflatable tongue to increase difficulty of airway and an option to include "breakout teeth" to simulate the effects of bad practice in laryngoscopy.

AirSim Advanced	M-1015527
With Bronchial Tree	M-1015530
With Breakout Incisor Teeth	M-1015528
With Breakout Incisor Teeth & Bronchial Tree	M-1015531

AirSim Advanced Crico Model

AirSim Advanced Crico combines all the standard features of the AirSim Advanced product (M-1015527) with the addition of a simulated cricoid cartilage to facilitate training in both needle and surgical cricothyrotomy procedures.

AirSim Advanced Crico is the solution for delivery of effective training in a comprehensive range of airway management procedures.

The Advanced Crico features the uniquely constructed AirSim airway designed to provide true, anatomically correct and visually accurate internal features, coupled with a real-feel skin covering.

AirSim Advanced	M-1015532
With Bronchial Tree	M-1015534
With Breakout Incisor Teeth	M-1015533
With Breakout Incisor Teeth & Bronchial Tree	M-1015535



AirSim Baby

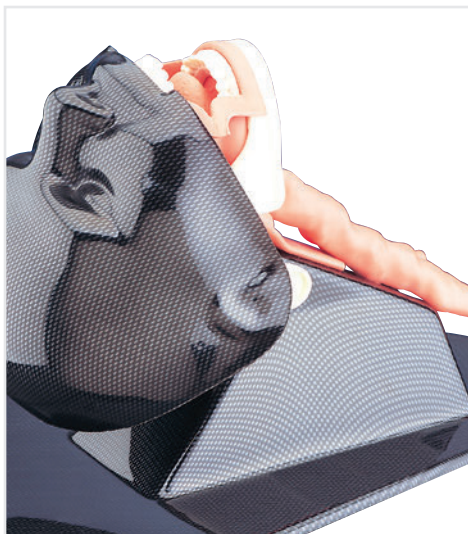
True to its heritage, AirSim Baby has realistic anatomy and a clinical functionality that enables basic and advanced pediatric airway management.

AirSim Baby facilitates training in the use of bag/mask ventilation, supraglottic airway insertion and both naso and orotracheal intubation. In addition, it can be used with all current videolaryngoscopes.

Realistic airway allows for training in all aspects of infant airway management including positive pressure ventilation, insertion of laryngeal masks and endotracheal intubations (nasal and oral).

M-1015536

▶ More details about our products available at 3bscientific.com! ◀



AirSim Standard Model

The AirSim Standard is uniquely constructed to allow realistic feedback during airway management procedures and provides true, anatomically correct and visually accurate internal features.

The novel neck construction allows the head to be moved and secured in a number of positions. This ranges from the standard "sniffing" position to more difficult scenarios.

The AirSim Standard also features an inflatable tongue with real-life size and texture. There is also an option to include "breakout" teeth to simulate the effects of bad practice in laryngoscopy.

AirSim Standard M-1015515

With Needle Access M-1015517

With Breakout Incisor Teeth M-1015516



AirSim Multi Model

The AirSim Multi contains the key features of the AirSim Standard (W47401) with the addition of a nasal passage and a chin. The AirSim Multi facilitates training on nasal procedures as well as bag and mask ventilation techniques.

The nasal passage has been developed in a manner similar to the main airway. This gives the same anatomical realism and functionality, important landmarks such as the turbinates are clearly defined. In addition, the material used offers the same tactile feedback which is delivered with the main airway itself. There is also an option to include "breakout" teeth to simulate the effects of bad practice in laryngoscopy (see M-1015528).

AirSim Multi M-1015519



AirSim Bronchi Model

The AirSim Bronchi is the latest product addition to the AirSim family, providing anatomically correct detail down to the fourth generation bronchi.

The AirSim Bronchi provides exceptional detail in both internal and external features; made possible through a combination of cutting edge molding technology and carefully handcrafted processes.

AirSim Bronchi M-1015523

Nasal Passage & Needle Breakout Incisor Teeth M-1015524



Truman Trauma

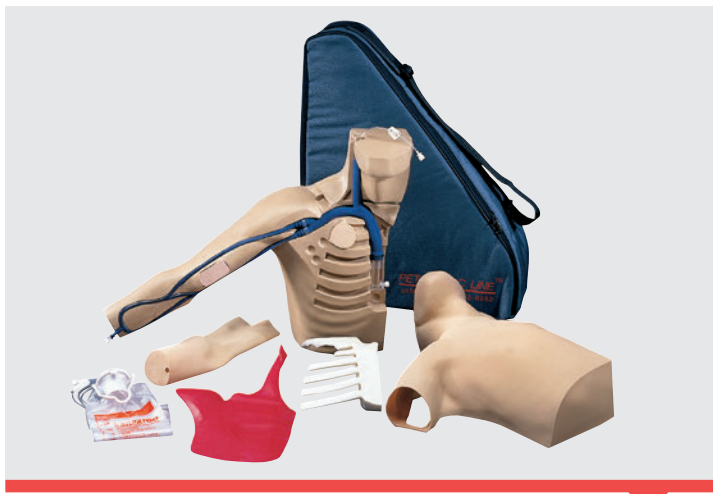
The Truman Trauma System offers an anatomically correct simulated human torso designed for trainees to practice several surgical procedures together with the renowned AirSim head for training the full range of airway management and resuscitation skills. The Truman Trauma System also allows the use of replaceable tissue sets that allow each learner a life-like & unique surgical experience.

- Chest tube insertion
- Needle Decompression of tension pneumothorax
- Cardio Pulmonary Resuscitation
- Needle and Surgical Cricothyroidotomy
- Airway Management Skills including OP and NP airway tube insertion, tracheal intubation, bag valve mask techniques, supraglottic airway insertion and ventilation
- Percutaneous Tracheostomy
- Identification of tracheal deviation and jugular vein distension which are warning signs attributed to tension pneumothorax

M-1017521

Replacement Part

Needle Decompression Inserts	M-1017611
Larynx Piece	M-1017612
Overlay Neck Skin	M-1017613
Airway Sealing Tape	M-1017614
Lubrication	M-1017615
Black Carrying Case	M-1017616



Proven in over 13 years of clinical use!

Peter PICC Lines Simulator

The importance of vascular access models continues today, with over 80% of hospitalized patients receiving intravenous therapy. It has become critical in controlling costs to ensure that the competency of all IV staff is assessed, maintained, demonstrated, and improved continually. Vascular access simulators are acknowledged as the most efficient way to teach staff and assess competency. The trainer is an upper torso model including, neck, chin, right arm, ribs, muscle tissue, arm vein set, body vein set with viewable superior vena cava, fluid bag with tubing and a durable, soft-sided cloth carrying case with an additional pouch for supplies. 12 lbs.

- Model presented in supine position with arm at 90-degree angle to body
- Movable chin simulates occlusion of jugular
- Anatomically correct cephalic, basilic, and median basilic veins, jugular, subclavian, and superior vena cava
- Palpable ribs allow measurement of proper catheter length externally
- Replaceable arm skin allows visualization of veins
- Standard IV catheter placement
- Distal tip of catheter viewable in the superior vena cava
- Infusible veins allow realistic blood return in flashback chamber

M-1017957

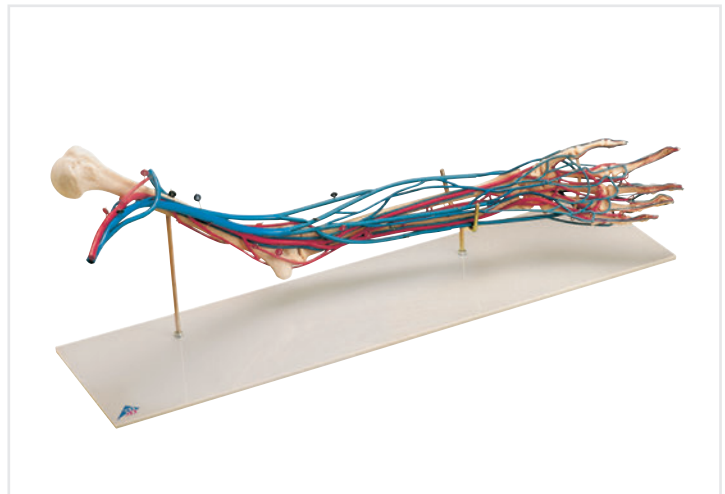


Deluxe Venous Access Device Model

Reproduction of a male chest mounted on a collapsible easel designed for training in vascular access device maintenance and dressing central venous catheters. Made of skinned, lightweight urethane foam, this model may be washed with soap and water or with antiseptics. Mounted on a collapsible easel and packed with its own carrying case. Measures 15 x 21".

- Reproduction of a male chest mounted on a collapsible easel
- Designed for training in vascular access device maintenance and dressing central venous catheters
- Bilateral subclavian venous catheter connections
- Implanted PORT-A-CATH
- Both catheters may be flushed with water
- Accepts betadine and most other antiseptics
- Replaceable chest module

M-1005563



Vascular Arm

This life-size model provides a complete understanding of the circulatory system of the arm and hand. An excellent teaching aid for venipuncture training. Modeled in a semiflexed position with the brachial, radial, and ulnar arteries and accompanying veins with their radicals shown. The complete circulatory system of the hand is shown on both palmar and dorsal surfaces. Comparative sizes of the various blood vessels are clearly indicated and facilitate the study of the blood circulation in the arm. Mounted on a stand with key card. 66 x 17 x 28 cm. 4.50 lbs.; 2.04 kg

M-1005109

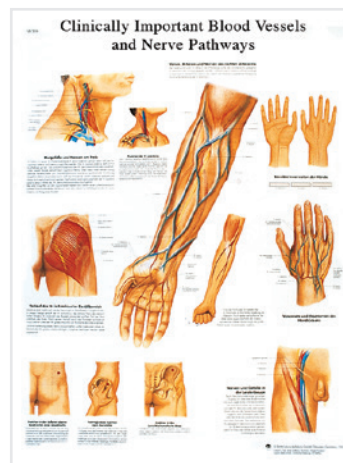


Venipuncture Training Hand

The back of the hand is the most common site for injection training. With this model you can teach the common procedure for IV drips. Comes with blood powder.

3 lbs.; 1.36 kg

M-1017962



Clinically Important Blood Vessels and Nerve Pathways

This poster highlights blood vessels and nerve pathways in the neck, groin, arm, hand, and gluteals. Printed on premium glossy paper with ultra-thin lamination for wipe clean care. Mounted with metal rods on top to enable easy display. Convenient poster size of 20" x 26"

M-1001530



Life/form® Portable IV Arm and Hand Trainers

The economical Life/form® Portable IV Training Arm and Hand combine realism and lightweight convenience in a single trainer. These self-contained trainers are packaged in a plastic case that can be converted into a work station.

The Trainers are constructed of soft material with life-like veins that are visible and palpable. Veins are accessible at the antecubital fossa, along the forearm, the back of the hand, and thumb, making it possible to practice venipuncture at any of the common sites. The simulated skin realistically rolls as you palpate the veins and the characteristic “pop” can be felt as the needle penetrates the vein and realistic flashback can be observed.

These trainers are ideal for teaching venipuncture techniques including starting IVs and introducing over the Needle IV catheters. Under normal use, hundreds of injections may be performed.

Trainer Includes: two IV bags, packet of blood powder, fluid supply stand, two pinch clamps, 3 cc syringe, 12 gauge needle, a winged infusion set, and a plastic clamshell case for storage.

IV Hand

White M-1017958
Black M-1017959

IV Arm

White M-1017960
Black M-1017961

Central Venous Cannulation Simulator

ACLS and ATLS participants will find this simulator to be the ideal trainer. Anatomically accurate, palpation is exactly the same as on a patient. The sternal notch, sternocleidomastoid, clavicle, and other supporting features make this simulator a pleasure to work with. Internal features include a replaceable muscle and bone section, subclavian, internal jugular, external jugular, and carotid. Use of a Swan-Ganz catheter is possible and changing of the internal tubing is extremely easy. The neck of the simulator is positioned to the left, making landmark identity quite easy visually. The sternal notch “sinks” 1-1.5 cm when palpated. All external and internal landmarks correlate to a live patient. Modified to meet ATLS and ACLS standards, this simulator has proven itself in the emergency medical field. The consultant for this project was Forrest M. Gridley, M.A., P.A.-C. Includes fluid supply bags, replaceable skin, needles, one quart of Life/form® blood, and instruction guide in a hard carry case. Fluid supply stand not included.

M-1005595

Replacement Parts

Artificial Blood, 1L M-1005611
Tubing Sealant M-1005648

More details about our products available at [3bscientific.com!](http://3bscientific.com)

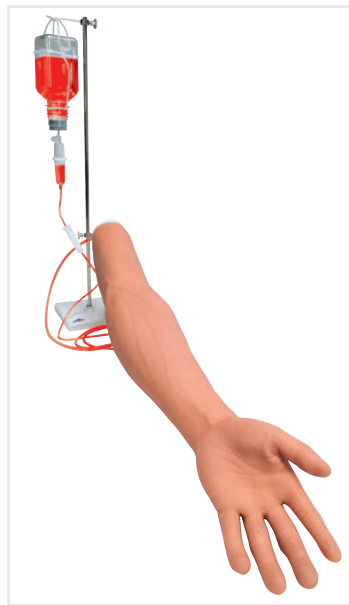


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Medical Education | Central Venous

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Incredibly realistic with extreme attention to detail!

I.V. Injection Hand

An incredibly realistic hand with extreme attention to detail, right down to the fingerprints. Students have the opportunity to not only practice injection but to develop important manipulation skills provided by the flexion of the wrist. Under normal use hundreds of injections can be performed before skin or veins need replacement. Supplied in storage box.

- Includes injectable metacarpal, digital and thumb veins on dorsal surface
- Soft, flexible fingers are separately molded
- Flexible wrist
- Skin rolls when veins are palpated
- Perform hundreds of injections before replacing vein & skins

Light Skin **M-1017963**

Dark Skin **M-1017964**

Replacement Parts

Veins **M-1005668**

Skin **M-1005667**

Changing skin and veins is now faster and easier!

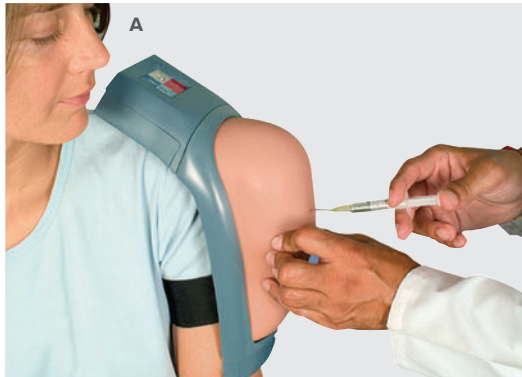
I.V. Injection Arm

This injection arm, made of 3B Scientific® SKIN/ike™ silicone, is unique in quality and design and allows realistic, hands-on training to develop competence in medical staff. It is also highly suitable for group instruction because of its high quality, stain resistance and easy-to-clean soft material. Delivered with stand, artificial blood, 2 replacement tubing systems, plastic bottle, syringe and deluxe storage carton. 74 x 19 x 14 cm; 2.8 kg

Ideal for practicing:

- Intravenous injections
- Correct puncture of peripheral veins for blood sampling. The following veins can be punctured: basilic vein, cephalic vein, median cubital vein, dorsal venous rete of hand
- Positioning of a butterfly catheter

M-1000509



The perfect volunteer to train your healthcare students to administer intramuscular injections.

Intramuscular Injection Simulators

These simulators are the ideal way to teach proper intramuscular injection techniques. Strap it onto the upper leg, upper right arm or the buttocks to locate all necessary intramuscular injection sites. Operates on AA batteries.

- Truly Unique!
- Both Audio and Visual Feedback
- Use for Training and Performance Evaluation

A. Upper Right Arm Simulator **M-1000510**

B. Buttock Simulator **M-1000514**

C. Upper Leg Simulator **M-1000511**



Intradermal Injection Simulator

Now your students can practice intradermal injections safely and conveniently with the Life/form® Intradermal Injection Simulator. Life/form® vinyl skin ensures a realistic training experience. The arm features eight sites for practicing intracutaneous injections. If fluid is properly injected, a characteristic skin welt will form. The welt is removed by withdrawing the fluid after practice. Each site is reusable by dozens of students. Simulator includes arm section with eight injection sites, sealant, syringe, teaching guide, and storage box. 3 year warranty. 33 x 28 x 13 cm; 0.9 kg

- Natural cast from wrist to just below elbow
- Skin has realistic feel and appearance
- Includes eight, reusable practice injection sites

M-1005628



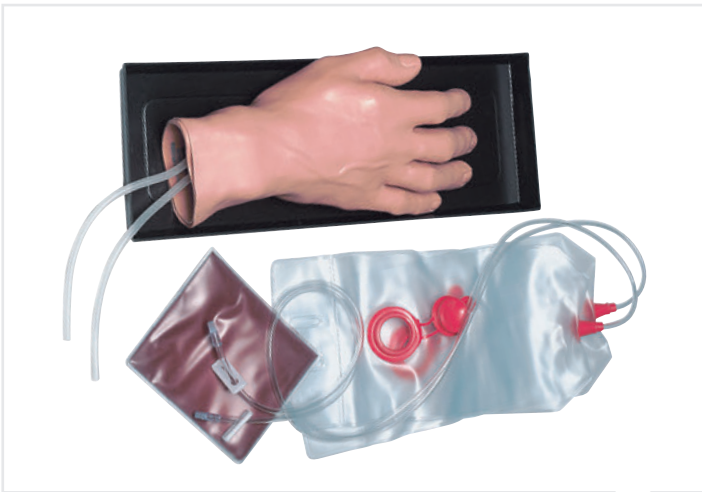
Safe, economical injection simulators!

Intra-muscular Injection Pad

A simple trainer that simulates muscle tissue for hands-on training.

- Injection made to a depth of 50 mm
- Life-like skin allows multiple punctures
- Will absorb fluid

M-1005190



I.V. Training Hand

An economic and easy to transport model to train I.V. injection. Made of durable material for repeated use. 35 x 13 x 5 cm; 0.8 kg

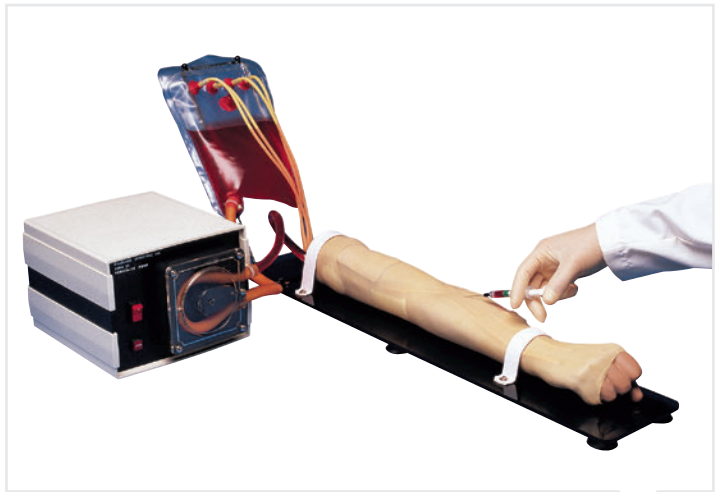
Features:

- Palpable life-like veins that even roll-over
- Suitable for blood sampling or fluid injection
- Supplied with carrying tray and artificial blood

M-1005754

Optional Equipment

Hand Skin	M-1005755
Arm/Hand Vein Set	M-1005756
Reservoir Blood Bag	M-1005757



Arterial and Venous Patient Training Arm

This right arm combines all features required for arterial stick exercises, i.v., i.m. and subcutaneous injection and infusion training as well as blood collection exercises:

- Arterial stick exercises: Arterial pulses are automatically generated at the radial and brachial locations with a peristaltic pump. AV anastomosis for simulation of haemodialysis
- I.v. injection in venous network of arm and hand. A pressure bulb allows to increase or decrease venous pressure
- I.m. injection in deltoid area
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the arm
- Incisions and suturing exercises can be practiced on a special pad
- Supplied with artificial blood, blood dispensing bag, funnel, talcum powder, replacement skin, base and carrying bag.

Standard	M-1005810
115Volt	M-1005810
230Volt	M-1005810



Intramuscular Injection Sites Poster

This visual aid was developed specifically for teaching, demonstrating, training, and studying of intramuscular injection site locations. The poster illustrates site landmarks and muscles in the deltoid, dorsogluteal, and vastus lateralis regions. Laminated and perfect for mounting in a classroom or skills lab. Available in English only. 8 X 24"

M-1018427



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Geriatric IV Arm

Developed from a live cast, this arm is unique to the industry. Its properties include veins that roll away or disappear as you attempt to catheterize the vessel and the specially developed skin is exceptionally thin. If your students work with the aged, this adjunct to your teaching lab will enable them to better serve this group as they pursue their careers.

M-1005777



Advanced Venipuncture and Injection Arm

Made with a soft vinyl skin cover and a core of stitchable foam to provide a life-like suturing experience for students or a realistic suturing demonstration by an instructor. Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough so that sutures will not pull out when tightened. The unit is supplied with three "wounds." These "wounds" can be sutured repeatedly until the skin around them is finally worn out; then, new "wounds" can be cut. Although disposable, the leg provides hundreds of sturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times.

Light Skin M-1005678

Dark Skin M-1005679



Venatech IV Trainer

This IV trainer is easily attached to a person's arm so the student can practice venipuncture techniques, including positioning on a live subject, without the risks associated with puncturing living tissue. The trainer includes the three main veins used in phlebotomy in correct anatomical position. Besides performing actual IV practice, the trainer helps students learn basic communication skills such as explaining the procedure to the patient, asking them to close and release their fist, etc.

M-1017966



Advanced Four-Vein Venipuncture Training Aid™

The Advanced Venipuncture Training Aid™ featuring four barely discernable blue veins in 3 different sizes - with the fourth vein deeply placed in a semi-transparent, tissue-like material. A "pop" is felt as the needle enters the vein, followed by a realistic "flashback" of simulated blood, confirming the proper needle placement. The unique material offers many improved properties - 50% less needle drag when accessing the underlying veins, improved tear resistance to allow twice as many "sticks", no "oily/sticky" surface, no baby powder needed and it is stain resistant. The blue veins are made of Dermalike V™, a material with properties more similar to real veins, as you do not use excessive force to access the veins compared to the latex tubing still being used by other manufacturers. See online at 3bscientific.com for full description.

Light M-1017967

Dark M-1017968



Four-Vein & Two-Vein Venipuncture Training Aids

The Four-Vein Venipuncture Training Aid has four barely discernable blue veins in three different sizes – with a fourth vein more deeply placed. The Two-Vein Venipuncture Training Aid has two barely discernable blue veins of different inside diameters, positioned at the same depth in a semi-transparent, soft tissue-like material. Your patients don't have one size of veins, so why practice and learn on a "one size vein fits all" IV arm? These models were specifically designed to make accessing more challenging, as this is how technique and confidence are improved.

This model permits clinicians to learn technique and gain initial confidence when accessing the larger veins. Competency and technique can be improved by progressing from the easier large veins to the more difficult smaller and deeper veins. Many hospitals and home health sites utilize these training aids to insure that the competency of all staff members is assessed, maintained, demonstrated and improved continually.

Now made with latex-free Dermalike™ with 50% less needle drag when accessing the underlying veins and improved tear resistance to permit a greater number of needle "sticks". Redesigned, these models now come with a snap-on cover to protect the tissue pad when stored. These compact, lightweight, easily transportable, economical, and non-staining training aids are a great alternative to larger, heavier and more expensive models.

Two-Vein, Light M-1017969

Two-Vein, Dark M-1017970

Four-Vein, Light M-1017971

Four-Vein, Dark M-1017972



Intramuscular Injection Simulator

Here is the perfect volunteer for training your beginning health care students to administer intramuscular injections. Always available for class demonstrations or practice by groups of 1 to 30, the simulator offers both visual and tactile learning of three types of intramuscular injections.

A simulated bony structure is embedded in the torso and represents the superior end of the femur, the posterior superior and anterior superior iliac spines, and the sacrum. The bony structure allows students to identify proper injection sites. Cut-away section of the upper, outer quadrant of the left gluteal area allows students to visualize the underlying structures. The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown.

Skin and muscle textures, as well as bone shape and position, closely resemble a live patient. As a result, perforation of the tissue with a needle duplicates the sensation of administering an actual injection. Simulator comes complete with teaching guide, supply of syringes, and hard carrying case. 3 year warranty. 22 x 16 x 10"; 18 lbs.

- Practice dorsogluteal, ventrogluteal, and vastus lateralis injections
- Palpable anatomical landmarks

M-1005586



Spinal Injection Simulator

A valuable training/teaching aid for the realistic demonstration and practice of all spinal injections. Excellent simulation qualities and easy-to-change vertebral column with replaceable skin make this Life/form® product the very best available.

Careful duplication of the anatomy ensures proper resistance in needle puncture and accurate palpation reference points. The replaceable skin can be changed without tools in minutes. The spinal column can be charged with fluid and placed in sitting or lateral positions for injection practice. The L1 and L2 sections of the vertebral column are clearly visible. The functional portion of this injection model includes L3-L5 vertebrae, plus the sacrum and coccyx. Simulator includes a fluid supply bottle with connectors, teaching guide, and hard carrying case. 1 year warranty. 48 x 44.5 x 26.5 cm; 12.0 kg

M-1005603

Replacement Parts

Skin, Musculature, Spinal Cord
Lubricant, 250 ml

M-1005604

M-1008575



Lumbar Epidural Injection Trainer

Help anesthetists to acquire the necessary tactile skills for epidural anesthesia prior to hands-on patient experience. If the epidural needle is inserted too deeply a slight resistance is felt before the needle penetrates the dura. 27 x 210 x 110 cm

Features

- Tactile and visual access to the lumbar spine, the epidural space and the dural sac
- Positioning for lying or lateral recumbent position
- Spinous processes and the interspinous spaces are palpable beneath the skin
- Epidural injection is carried out using either air or saline to detect loss of resistance and if accidental dural puncture occurs, "cerebrospinal fluid" will appear
- Can be easily dissembled at any time to show position of needle during penetration
- Consists of skin, muscle layer, ligamentum flavum, vertebral bones and intraspinal ligament
- Supplied with an all-metal Tuohy needle and a loss of resistance syringe

M-1005153

Replacement Parts

Smooth Skin
Ligamentum flavum,
Muscle layer
Instrument kit (puncture needle & syringe)
Vertebral bones and Intraspinal ligament 5 Spinal
Cord fluid-filled sachets

M-1005154

M-1005155

M-1005157

M-1005158

M-1005156



Arterial Puncture Arm

This easy to use training aid is ideal for practice in and demonstration of drawing arterial blood samples and for monitoring blood gases.

Puncture locations can be identified through palpation of the pulse of radial and brachial artery. Realistic arterial pressure produces a life-like backflow of blood in the syringe, confirming proper needle location in the artery.

Delivered with 2 syringes and tubules, artificial arterial blood, 2 replacement arterial sections and carrying case.

M-1005598

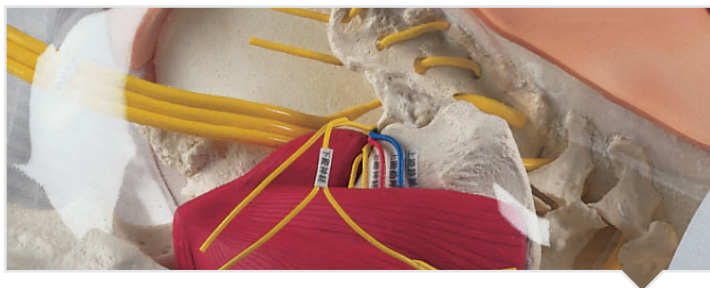


Injection Arm

This right arm combines all features required for i.v., i.m., subcutaneous injection and infusion training as well as blood collection exercises:

- I.v. injection in subtle venous network of arm and hand: cephalic, basilic, antecubital, radial and ulnar veins. A pressure bulb increases or decreases venous pressure
- I.m. injection in deltoid area
- Subcutaneous injection on the volar side of the forearm and the lateral side of the arm
- Supplied with artificial blood, blood dispensing bag, funnel, talcum powder, replacement skin and veins, base and carrying bag

M-1005809



Two-in-One i.m. Injection Model of Buttock

This unique model of a human buttock has a special two-in-one function: On the right hand side, the anatomy of the bones, ilium crista, greater trochanter, m. gluteus medius, nerves and veins can be studied through the transparent outer structure. The student can transfer what he has learned about the position of nerves, veins etc. to the left hand side on which intra-muscular injections can be practiced. Anatomical landmarks can be palpated through the soft skin to identify the correct positions for injection. The injection of fluid (water) is possible. Correct injections are confirmed by a green light, if the injection is placed in a wrong position or too deep, a red light will appear and a buzzer will sound.

M-1005394



Buttockmate - i.m. Injection

This easy to handle simulator of a human buttock can be fastened with a belt on the body of a student or a training doll. It allows practicing of intra-muscular injections and also the injection of fluid (water) is possible. If the injected part is incorrect, a buzzer, which works with a 9 volt battery and a red light, will give a warning sound. The durable, soft and very realistic skin shows no needle marks even after many exercises.

M-1005395



Surgery Trainer

Allows for open surgery practice and offers an advanced skills capability for cut and suture practice. The single sided skin pad and a piece of abdominal bowel are replaceable. Sutures and string not provided.

- Highly portable
- Rubber suction feet secure the base providing easy working conditions
- Washable, durable and all parts are replaceable

M-1005144



Chester Chest™ with ADV ARM

A new, more advanced arm which can also be ordered separately to upgrade your Chester Chest™! Unequaled teaching aid which makes it possible to learn how to use the following long term vascular accesses perfectly:

- Implanted Port
- Central Venous Catheter (CVC)
- Peripherally Inserted Central Catheter (PICC)

M-1009801

Optional Item

Advanced Arm for Chester Chest
Replacement Skin
Carrying Bag

M-1005840
M-1005841
M-1009801



Arterial Stick Arm

Infusible arteries designed for training the proper arterial puncture procedure for blood gas analysis. For use with M-1005257 and M-1005260.

M-1005276



Lumps and Bumps Box

A simple and very effective tactile trainer has been developed to make a Lumps and Bumps Box. The trainer is ideal for juniors getting to grips with their sense of touch and to understand the basic art of description about the feeling through gentle palpation.

- The trainer can be lap held and placed on a smooth surface where strong sucker feet provide stability while in use
- Contains 2 skins and 2 layers of foam, an assortment of shapes compatible with modern teaching for Clinical skills centers
- Can be varied and customized to suit individual needs

M-1005164

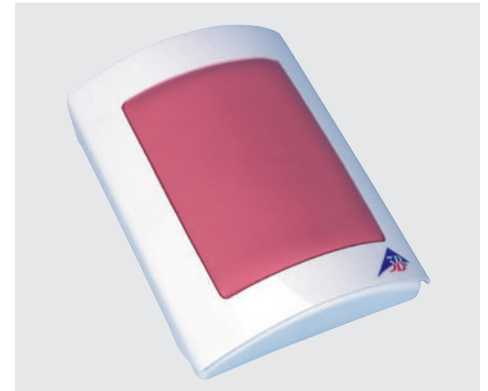


Suture Practice Trainer

This is a basic skill trainer which offers a limited facility for knot tying. The foam can be turned over and or replaced. Sutures and string not provided.

- Highly portable
- Rubber suction feet secure the base providing easy working conditions
- Washable, durable and all parts are replaceable

M-1005147



Skin Suture Trainer

A great low cost way to practice surgical opening and closing techniques.

- Economical reversible pad
- Designed to make complex incisions such as "flap and dog turn" suturing more realistic
- A sub-dermal layer is present to make secure intra-dermal sutures
- Base has suction feet to enable slip free use

M-1005134



Realistic Resistance

Life/form® Pediatric Lumbar Puncture Simulators

The Life/form® Pediatric Lumbar Puncture Simulator represents a 10-12 month old infant placed in a left lateral decubitus position with the neck and knees flexed, approximating the necessary fetal position. The embedded iliac crest offers exceptional realism, while the removable spine, spinal canal and skin pad make training simple and hassle free. Lumbar puncture may be performed in the L3-L4, L4-L5, or L5-S1 spaces. The correct site can be located by palpating the iliac crest and spine. A small “give” will be felt as the spinal needle is advanced slowly into the proper space. Fluid will flow when the needle is in proper position. Students will appreciate the opportunity to practice this delicate but commonly performed procedure on a simulator that is both appealing and anatomically accurate.

M-1017244

For additional product features visit us at
3bscientific.com!



Infant IV Arm

Life-like reproduction of an infant arm for mastering extremity venipuncture procedures and fluid administration in the superficial veins of the hand. Venipuncture is possible in antecubital fossa and dorsum of the hand. Fluid may be infused for realistic flashback. 1.4 kg

M-1005239



Infant IO Leg

A great model for students to use as they master infant intraosseous infusion techniques. Simulated tibia and anatomical landmarks at the tibial tuberosity and medial malleolus. Fluid may be infused for realistic flashback. Drain in heel connects to reservoir bag. 1.4 kg

M-1005240



Infant IV Training Leg

Use this new leg model to teach extremity venipuncture procedures and intravenous fluid administration in the superficial veins of an infant’s foot. Venipuncture is possible in medial and lateral malleolus sites. Heel stick simulation. Fluid may be infused for realistic flashback. 1.4 kg

M-1005242



Baby Umbi

Baby Umbi is a female newborn infant reproduction designed for the practice of umbilical catheterization. The simulator has a retractable umbilical cord for actual catheterization. Also included are two arteries and veins molded into umbilical cord facilitate low UAC, high UAC, and umbilical vein catheter. Securing the dressing procedures may be practiced as well.

M-1014172



Life/form® Pediatric Arm

Providing realistic sensation and response, the life-like vinyl skin actually rolls as you palpate to allow location of the vein. A soft foam is used to simulate the deltoid muscle and allows the student to “get the feel” of administering intramuscular injections to children. Simulated bone in the shoulder defines and limits the injection area. Water may be used as an injection fluid in the shoulder area. Includes a Life/form® Arm with white skin, fluid supply bag, 3 cc syringe, one pint Life/form® blood, teaching guide, and hard carrying case.

M-1017973

Replacement Parts

Replacement Skin & Vein Kits	M-1018148
1 Quart Life/form® Venous Blood	M-1005611
1 Gallon Life/form® Venous Blood	M-1005691



Life/form® Pediatric Head

An invaluable tool for demonstrating and practicing infusions and injections in the temporal and jugular veins of a newborn to a twelve-month-old infant. The neck is made of soft, flexible foam to provide a realistic feel of palpation and puncture. Supplied with hard carrying case.

The pediatric head includes the following:

- Head (to represent a six-month-old infant) with skin and veins
- Fluid supply bag
- 2 different gauge winged infusion needles
- Artificial blood

M-1005630

Replacement Parts

Replacement Skin & Vein Kits	M-1005631
Vein Replacements Only	M-1005632
1 Quart Life/form® Venous Blood	M-1005611
1 Gallon Life/form® Venous Blood	M-1005691



Circumcision Training Kits

Made with soft, life-like material, which is realistic to the touch. The trainers include the foreskin, glans penis, frenulum, meatus, and coronal groove. Practice separating foreskin from the glans, removal of the foreskin, and suturing techniques. The trainers have been designed for clamp methods, dorsal slit, and sleeve circumcisions.

Infant Kit	M-1017254
Pre-teen Kit	M-1017255
Teen Kit	M-1017256
Young Adult Kit	M-1017257



Practice lumbar puncture techniques!

Baby “Stap”

Reproduction of a neonatal infant positioned for the practice of lumbar puncture techniques. 1.4 kg.

- Lateral decubitus position
- Realistic interchangeable spine
- Spinal cord may be palpated for location of correct puncture site
- Fluid may be infused

M-1005237



Life/form® Difficult Access Infant IV & IO skin

The Life/form® Difficult Access Infant IV & IO skin sleeves have been developed to fit over the arms and legs of most infant training products. This soft, life-like skin is meant to represent a chubbier infant and may be used to prepare for intravenous and intraosseous insertions where the vascular system may be difficult to access. The durable skin should allow for many uses before replacement is necessary. Pkg. of 3.

- It's simple
- Can change it out in seconds
- Easy to use
- Provides for challenging practice

M-1017974

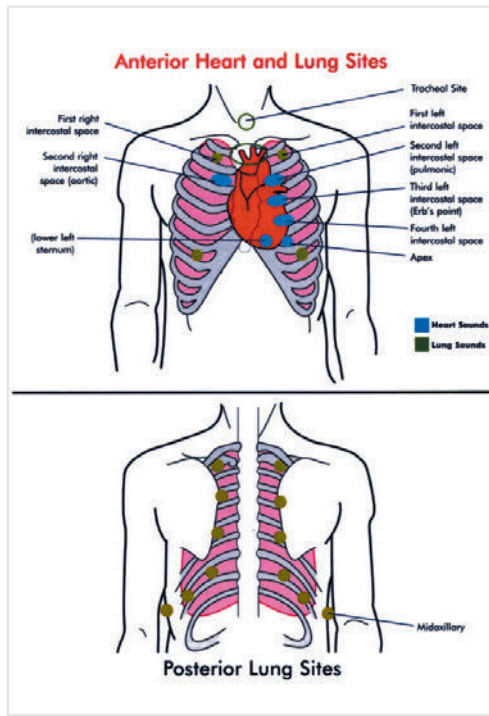
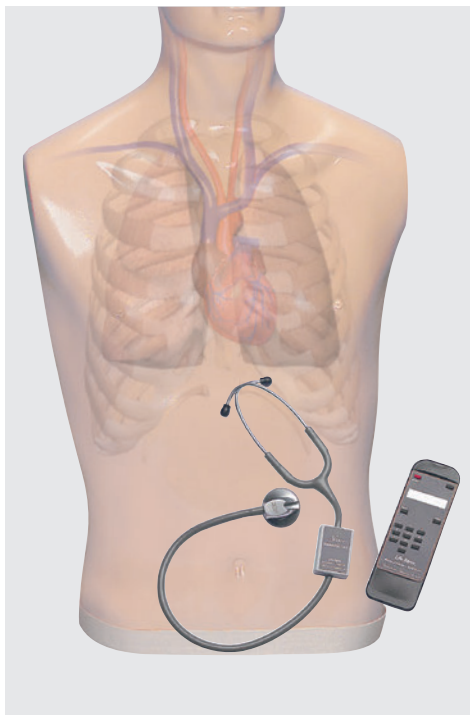


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Auscultation Trainer and SmartScope™

The instructor selects from a menu of heart and lung conditions by wireless remote control. The manikin presents itself as a real patient without visible auscultation sites. The student must palpate to identify correct auscultation locations, and will hear different heart and lung sounds as the SmartScope™ is moved to different locations on the manikin. A diagnosis of the condition selected by the instructor can be made by comparing the variations in sounds occurring at different sites. Just like a real patient!

Lung sounds can be detected at 5 anterior, 10 posterior, and two midaxillary locations. Students can practice auscultation at six anterior heart sites. The remote control does not have to be pointed directly at the manikin or SmartScope™ to work and one remote control will operate multiple sets of SmartScopes™ or manikins simultaneously. Listen to the sounds either using headphones or the SmartScope™ or by connecting to an amplifier or speaker (not included). Range on the unit is up to 100 feet of remote access.

Trainer

M-1005642

Trainer with Amplifier

M-1018149



Infant Auscultation Trainer

The Life/form® Infant Auscultation Trainer simulates heart, bowel, and lung conditions selected by the instructor via wireless remote control. The student must palpate to identify the correct auscultation sites and will hear different heart, bowel, and lung sounds as the SmartScope® is moved from site to site. The trainer duplicates human infant conditions as closely as electronic technology allows – it's almost the real thing.

The instructor can program the remote control, selecting from two dozen conditions and even switch conditions so students can compare and make a diagnosis. Note: Infant remote and SmartScope® are not compatible with Adult Auscultation Trainer. Includes Infant Auscultation Trainer, SmartScope® remote, and hard carry case. Additional SmartScope® and remote are available. 3 year warranty.

M-1017975



Child Heart and Lungs Sound Trainer

This self-contained heart and lung sound generator delivers site-specific heart and lung sounds typical of a four-year old child. Use any stethoscope in the normal auscultation site for pediatric assessment to listen as ten lung speakers and a heart speaker mimic actual sounds. The unit can be run from either a conventional PC using your mouse and monitor, or through the special handheld remote. An external speaker jack allows you to broadcast sounds to the entire classroom, or you can use it for audible testing of more than one student at a time. Classroom broadcasts of speakers/sounds in specific locations allow students to hear precise sound anomalies encountered when they auscultate the manikin. No programming required. Simply plug in, attach your USB mouse and monitor cable, and point and click your way to student excellence in lung and heart sound knowledge.

M-1017237

Visit **3bscientific.com** for a complete list of heart, bowel, and lung sounds!



Sounds and Arrhythmia Tutor

Two-in-one TUTOR reproduces digitally stored heart and breath sounds or arrhythmias. Perfect for Nursing Schools, EMS Education Programs, Medical Schools and any healthcare settings where sound and rhythm recognition is critical.

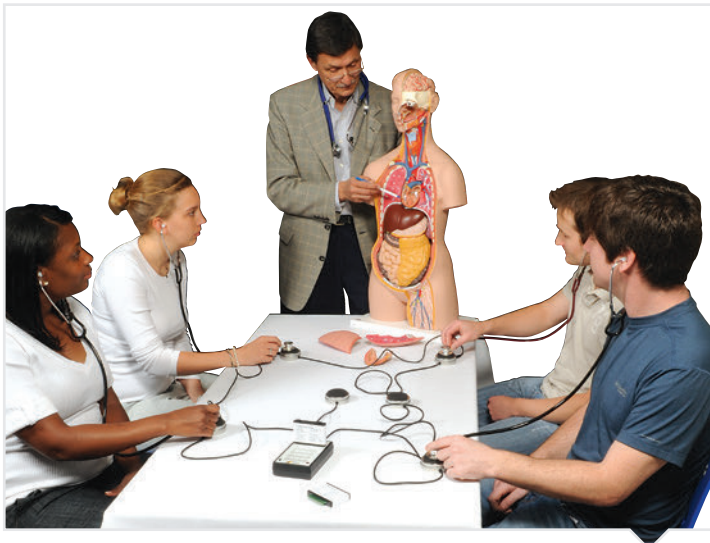
These sounds are heard with stethoscopes from Sounders, either the two mounted in the top or from other Sounders or an external speaker. Up to 50 Sounders can be connected at the rear panel jacks. There is a volume control and two LEDs that illuminate during systole as well as an illuminated display showing the example currently playing. Sound Menu items are selected from the 16-panel keypad. Rhythms may be viewed on any monitor or by connection to the Arrhythmia Display Interface. This unique TUTOR allows instructors the flexibility to change menus by changing plug-in modules. Includes 2 stethoscope sounders. Sound menus sold separately.

M-1017976

Optional Item

Arrhythmia Display Interface **M-1018150**

For a complete list of sound menus visit us at [3bscientific.com!](http://3bscientific.com)



Additional Stethoscope Sounders

Additional stethoscope sounders are available to allow multiple students to auscultate at the same time. The sounders link one after another and allow students to listen using their own stethoscopes.

M-1005892

Sounds	Item No.
Basic Heart Sounds	M-1018175
Murmurs	M-1018176
Breath Sounds	M-1018177
Pediatric Breath Sounds	M-1018178
Pediatric Heart	M-1018179
Rates and Rhythms	M-1018181
ACLS - Advanced Cardiac Life Support	M-1018182
ACLS II - Advanced Cardiac Life Support	M-1018183
CCU/ICU	M-1018184
CCU/ICU II	M-1018185
CCU/ICU III	M-1018186
Ventricular Waveforms	M-1018187
Acute Myo-Infarcts Massive Anterior	M-1018188
Paced Beats	M-1018189
Pediatric PALS	M-1018190
Mitral Valve Disease	M-1018191
Aortic Regurgitation	M-1018192
Congenital Heart Disease	M-1005891
Cardiomyopathies	M-1018177
Mitral Stenosis Moderately Severe	M-1018178



Heart and Breath Sounds Simulator

Portable and scalable, the TUTOR MS is a hand-held simulator that generates both heart and breath sounds. It is excellent for one-on-one instruction or for groups of up to 15 students. By utilizing stethoscope Sounders students can auscultate at the same time or connect a speaker to broadcast the actual patient heart and breath sounds. The TUTOR MS is perfect for any setting where the determination of both heart and breath sounds is important and can be tailored to any situation by toggling between different external menus to meet your needs. In addition, the unit has two lights that illuminate during systole (heart menu) and expiration (breath menu). Includes 2 stethoscope sounders. Sound Menus sold separately.

M-1005884

Sounds	Item No.
Basic Heart Sounds	M-1005885
Murmurs	M-1005886
Breath Sounds	M-1005887
Pediatric Breath Sounds	M-1005888
Pediatric Heart	M-1005889
Infant Heart & Breath Sounds	M-1005889
Bowel Sounds	M-1018195



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Ear Examination Simulator

The ear examination simulator consists of a head with 6 interchangeable flexible ears with life-like external and internal structures of the ear. Embedded colored prints in 5 out of the 6 ears allow the diagnosis of various pathologies. One ear is not colored, but can be used for earwax removal exercises.

M-1005645

Supplementary Ears

This set includes 4 ears which allow observation of Chronic otitis media with large perforation, Attic cholesteatoma (A), Attic cholesteatoma (B), and Atelectatic middle ear otitis and tympanosclerosis.

M-1005646



Life/form® Diagnostic and Procedural Ear Trainer

Life-like right and left ears teach diagnostic and procedural techniques and are removable for easy maintenance and storage. For the ultimate in realism, the middle ear can be filled with various fluids. Trainer comes complete with two ears, approximately 100 pre-cut eardrums, specially formulated ear wax, one standard middle ear cartridge with syringe, adjustable stand, and a hard carry case. Otoscope, ventilation tubes, and surgical instruments are not provided. See online for additional product features.

M-1017258



Infant Auscultation Trainer

The Life/form® Infant Auscultation Trainer simulates heart, bowel, and lung conditions selected by the instructor via wireless remote control. The student must palpate to identify the correct auscultation sites and will hear different heart, bowel, and lung sounds as the SmartScope® is moved from site to site. The trainer duplicates human infant conditions as closely as electronic technology allows – it's almost the real thing.

The instructor can program the remote control, selecting from two dozen conditions and even switch conditions so students can compare and make a diagnosis. Note: Infant remote and SmartScope® are not compatible with Adult Auscultation Trainer. Includes Infant Auscultation Trainer, SmartScope® remote, and hard carry case. Additional SmartScope® and remote are available. 3 year warranty.

M-1017259

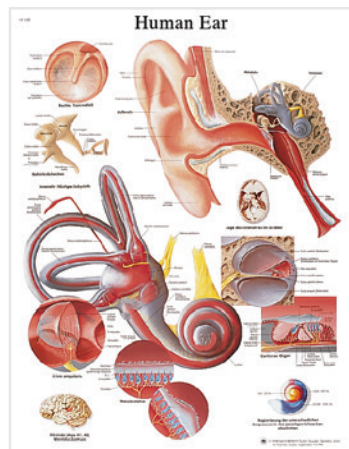


Standard Otoscope

An affordable otoscope that offers high quality optics and workmanship.

- German 2.7V lamp for bright illumination
- Bayonet locking otoscope head
- Removable 4X magnifying lens
- Rheostatic on/off switch

M-1017476



Human Ear Chart

Size: 50 x 67 cm (20 x 26")

M-1001500



Blood Pressure Arm

This life-like simulator allows the presetting of values for both systolic and diastolic pressures. It is possible to audibly discern the five Korotkoff phases. With this realistic unit, the student can find the preset results and the instructor can unfailingly know if the student has performed the procedure accurately. The electronically generated sounds are digitally recorded. Teacher can easily calibrate unit for use with any sphygmomanometer. The Blood Pressure Simulator includes the Life/form® Arm Replica with embedded speaker, sphygmomanometer, electronic control unit (six "AA" batteries included), instruction booklet, and hard carrying case. The simulator does not include a stethoscope. Three-year warranty.

Deluxe with Speaker System M-1005623



Blood Pressure Training System

This left arm connects to adult Patient Care Manikins (if mentioned as an option). Systolic and diastolic pressures, auscultation gap and pulse rate are adjustable. The cuff pressure can be seen on a display. A speaker system with volume control makes the stethoscope sounds audible for large groups. This blood pressure training arm is for use with the M-1005782 and M-1005785.

Standard M-1005828
with Speaker System, 110V M-1005829
with Omni and Speakers, 220V M-1005830



Blood Pressure Simulator Arm with PDA

This blood pressure training arm is complete with a palpable antecubital pulse. Includes blood pressure trainer, cuff, 9-volt battery and carry case. This simulator is a great way to teach and learn the technique of taking a patient's blood pressure.

Features:

- Blood Pressure Trainer with LCD guided operation
- Systolic, diastolic, heart rate and auscultatory gap are programmable
- Representation of both systolic and diastolic pressures
- Indication of gauge reading as pressure is increased or decreased
- Volume adjustable
- May articulate to adult MPL manikins, excluding Tuff Kelly

M-1017977



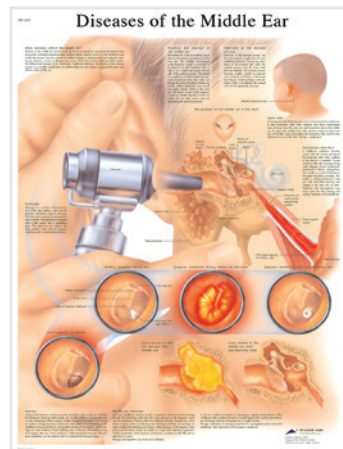
Prospector™ Teaching Stethoscope

A training aid that allows student and instructor to listen simultaneously.

Feature & benefits:

- Two sets of flexible chrome-plated brass binaurals
- Two spare pairs of eartips included
- Weighs 6.5 oz., overall length 44.5"
- 1 year warranty

M-1017477



Diseases of the Middle Ear Chart

Size: 50 x 67 cm (20 x 26")

M-1001506



Wilma Wound Foot™

The newest and most comprehensive model of its kind, molded from an 80-year old patient for a true-to-life experience when assessing the various wounds. Twenty different conditions are presented on Wilma Wound Foot™ so you can see and understand how they are different.

This model is an effective tool for educating all health-care professionals and patients in the identification and staging of wounds and their probable etiologies. Routine cleansing and dressing changes can be taught and practiced on all the wounds by healthcare providers, patients, families and caregivers.

A great tool for training, competency testing, skills assessment and dressing techniques! See online for the wounds, pressure ulcers and foot abnormalities that are presented on Wilma Wound Foot™ and for full description.

M-1017978



Ostomy Care Simulator

Reproduction of an abdomen showing the anatomy of both a colostomy and ileostomy to provide life-like functions and appearance. Dilatation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags. The colostomy can be irrigated. Drainage and excretion at the ileostomy (water) and colostomy (simulated stool) can be pumped by syringes. Delivered with simulated stool and carrying case.

M-1005591



Life/form® Pressure Ulcer/Bedsore Models

These models illustrate all found wound stages and are used to give instruction on the care and cleaning of the ulcers. The four stages include Stage 1 with its reddening and unbroken skin, Stage 2 with an open wound that is reddened with partial skin loss, Stage 3 with a deep, open wound that reaches through all layers of skin and into the muscle, and Stage 4 which is the most severe and deep with an open wound that reaches through all layers of skin and damages muscle, bone, tendons and joints.

Light Skin
Dark Skin

M-1017979
M-1017980



Seymour II™ Decubitus Treatment Simulator

Displaying the following pressure ulcers* (NPUAP 2007 - National Pressure Ulcer Advisory Panel): Stage I, Stage II, Stage III with undermining, tunneling, subcutaneous fat and slough, deep Stage IV with exposed bones, undermining, tunneling, subcutaneous fat, eschar and slough. Also shown are a suspected DTI, unstageable full eschar/slough wound, and a dehiscent wound. The Stage III and Stage IV are positioned so that a "bridging" dressing for use with a vacuum assisted closure and negative pressure wound therapy devices can be demonstrated and practiced.

M-1009798



Life/form® Infant Ostomy Trainer

Created to educate caregivers and parents on how to give special care to an infant with a stoma. The anatomy of the colostomies were carefully reproduced to provide life-like appearance and functions. A soft, pliable material is used for the stomas in order to achieve the most realistic tactile sensation. The syringes included are used to inject simulated stool through ports to the colostomy sites. Consistency of the simulated stool can be thinned by adding water. See online for full description.

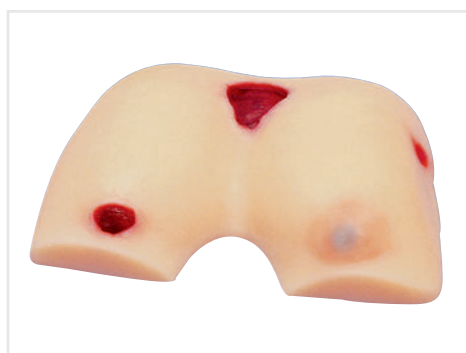
M-1013059



Ostomy Care Model

This BIOlike™ life-size model contains four stomas that can be lubricated and dilated with an inserted finger. The model may be washed, taped, bandaged, and fitted with ostomy bags. Comes with lubricant, draping sheet, and carrying case. 33 x 46 cm

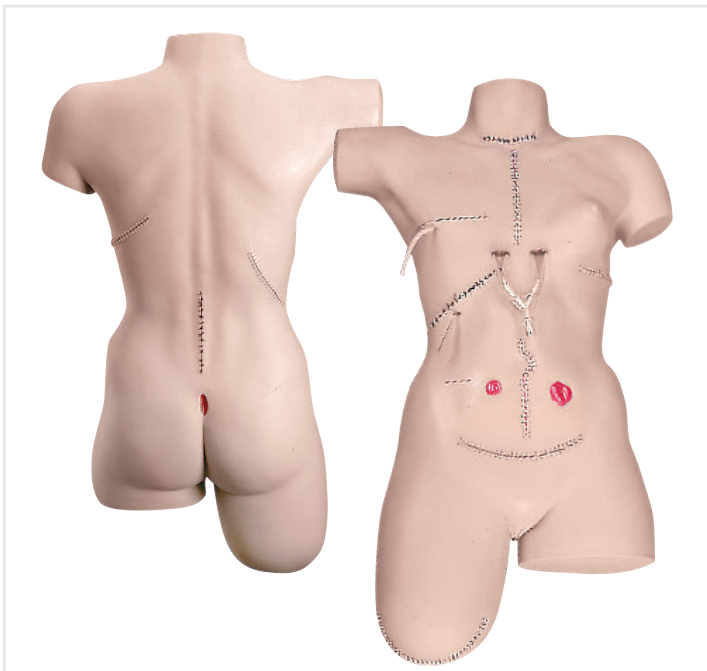
M-1005570



Bedsore Cleaning and Dressing Model

The varying stages of pressure sores on this unique model can be washed, treated with antiseptics or most medicines, and dressed just like real flesh. Made from BIOlike™ synthetic tissue. Comes with carrying case and draping sheet. 24 x 37 x 9 cm

M-1005569



Surgical Sally Bandaging Simulator

A readily available patient with 14 surgical wounds. The skin has been reformulated so it is drier, allowing the bandages to adhere better. Special vinyl formulations have been used to create the most life-like look and feel possible. The flexible, flesh-colored skin realistically responds to adhesives and all types of bandaging procedures. Wound closures feature surgical staples for the Mid-Sternal Split, Thoracotomy, Nephrectomy, Laparotomy, Abdominal Hysterectomy, and Amputation Stump. Staples and sutures cannot be removed. 3 year warranty. 84 x 30.5 x 63.5 cm; 12.0 kg. See online for full description.

M-1005590



Suture and Stapling Practice Trainers

Made with a soft vinyl skin over a core of stitchable foam to provide a life-like suturing experience for students or a realistic suturing demonstration by an instructor. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened. The unit is provided with three "wounds." These can be sutured repeatedly until the skin around them is finally worn out; then, new can be cut. Conservatively, more than one hundred cuts can be made on the trainer and each of these cuts can be sutured several times.

- Realistic skin texture with wrinkles, pores, and visible finger prints
- Disposable limbs provide hundreds of suturing experiences before wearing out
- Trainer comes complete with a starter package of sutures, instruction booklet

Practice Arm M-1005585

Practice Leg M-1005683



Life/form® Interactive Suture Trainer

The trainer attaches easily to a person's or manikin's arm, leg, or hip, allowing practice of suturing techniques in addition to essential communication and patient interaction skills. This convenient, cost-effective kit offers practice at all skill levels, including tying knots, placement of staples, and suturing both superficial and deep wounds. By making their own incisions, the instructor or student is able to determine the depth of suturing and the proper technique to be used. Wounds automatically open when cut. Includes suture pad, attachable pad base with straps, needle holder, suture scissors, tissue forceps, scalpel, soft carrying case, nylon suture, instrument case and instruction manual. Pad in base measure 7 x 3 x 4".

M-1018196



Life/form® Suture Kit

The instructor or student will have the ability to make incisions and determine the depth of suturing and the technique to be used. Practice and demonstrate tying knots, stapling and placement of staples, use of surgical glue, suturing deep tissue, and suturing subcutaneous tissue.

Features epidermis, dermis, fascia, fat, and muscle layers. The skin will allow placement and closure of superficial sutures. Includes suture pad, tray to hold pad, durable carrying case, needle holder, suture scissors, tissue forceps, scalpel, nylon suture and small case to hold the instruments. Pad measure 6 x 4 x 1.5".

M-1017981



Stump Bandaging Simulators

Practice and demonstrate standard bandaging procedures as well as the attachment of prosthetic devices. Instruction booklet included.

Lower Stump Bandaging Simulator

One leg is amputated below the knee, the other at mid-thigh. The torso is long enough to allow bandaging around the body over the uninjured hip at the level of iliac crest.

M-1005681

Upper Stump Bandaging Simulator

The upper torso has two arms – one amputated above the elbow, the other above the wrist. Both arms are slightly extended to facilitate bandaging.

M-1005680

Set of 2 Stump Bandaging Simulators

M-1005682



Connect with us!

Medical Education | Bandaging & Suturing

113





Transparent Male & Female Catheter Models

This transparent model allows viewing and practice of the proper insertion, position, and inflation of a balloon catheter. When practicing catheter insertion, you will experience resistance and pressure as you would with an actual patient. Urine (water) actually flows when catheter is inserted properly. External genitalia is made of a special soft material to simulate real tissue. Comes with irrigator, irrigator stand, and case.

M-1017242
M-1017241



Infant Male & Female Catheterization Trainer

The **Life/form®** Infant Male and Female Catheterization Trainer is an inexpensive 2-in-1 trainer that provides realistic practice of this difficult skills procedure. Includes: infant manikin, one male and one female genital insert, 2 oz. lubricant, infant Foley catheter, and instruction manual.

- Practice insertion, position, catheter balloon inflation and deflation
- Feel resistance and pressure as with a real patient
- Urine flows when catheter is in proper position
- Replaceable male and female genitals

M-1013060



Male & Female Catheterization Set

Practice male and female urinary catheterization on these newly designed anatomically correct models. Training is enhanced by a new material that has a realistic feel and flexibility. Both models utilize a 16 FR catheter and can be used to demonstrate balloon inflation procedures. A fluid reservoir allows for urine output upon successful completion of the insertion procedure. Instructors are able to teach sterile technique and insertion and removal of catheter, as well as practice preparing the patient for the procedure.

Set **M-1017251**
Male only **M-1017252**
Female only **M-1017253**

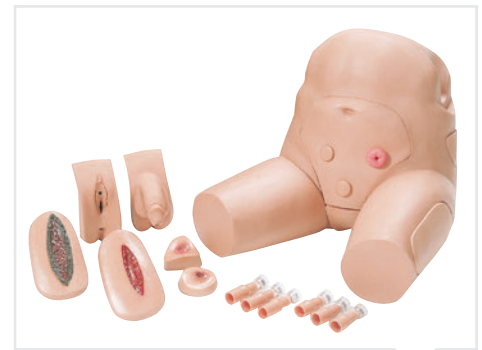


Enema Administration Simulator

Each student can realistically practice administering an enema using this life-like model. The upper buttock is flexible so that the trainee must raise the buttock in order to locate and make insertion into the anus. The simulator features a one quart fluid reservoir that is adequate for most demonstration and practice purposes. For large groups, a drain tube is provided so that the fluid can be drained directly into a large container or sink for continuous use. 1 year warranty.

- No special equipment required
- Life-like in every detail
- Portable and easy to keep clean
- Includes a hard carrying case, enema administration set, and teaching guide

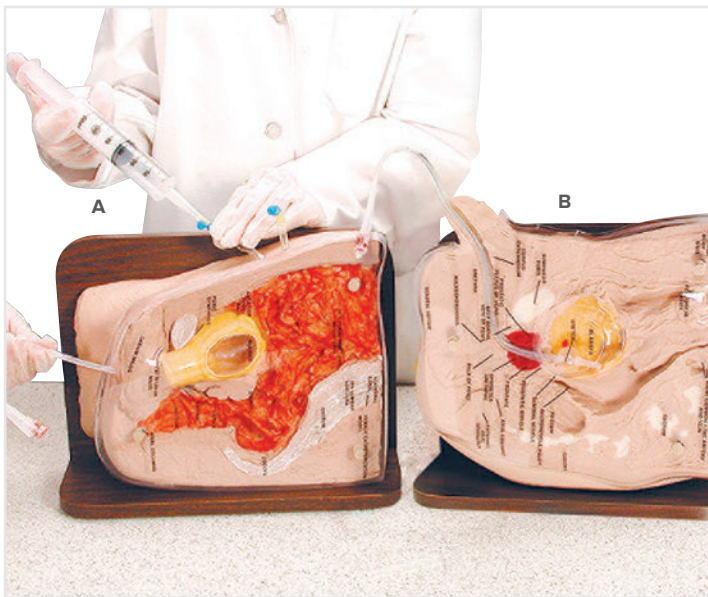
M-1005626



Home Care In-Service Trainer

Life-size, male pelvis with interchangeable genitalia designed for practicing urologic and rectal access gastrointestinal care procedures. Wound care modules add realism in community health scenarios.

M-1013718



A. Female Cath-Ed II Simulator

The Cath-Ed II provides practice in female catheterization. Including most of the same features as the Male Cath Ed I Simulator except the vulva has been molded intact to facilitate identifying the urethra and proper spreading of the labia. Comes with a hard carrying case, lubricant, catheters, 50 cc bulb, syringe, and instruction manual. 1 year warranty. 15 x 14 x 8 cm; 14 lbs. **Note:** Dover Products was the original sponsor for these products.

M-1017982

B. Male Cath-Ed I Simulator

The mid-sagittal dissections allow detailed study of the internal anatomy and provide students an opportunity to follow what happens when they catheterize a patient. The removable plastic cover identifies key anatomical structures. With practice on Cath-Ed I Male Simulator, normal restrictions at the bulbous urethra and bladder sphincter can be detected and identified. A functional bladder has been incorporated to allow simulated urine to flow when the catheter is inserted properly. A Foley catheter can be demonstrated and seen through the viewing port. Includes a hard carrying case, lubricant, catheters, 50 cc bulb, syringe, and instruction manual. This simulator does not have a functional bladder. 1 year warranty. 15 x 14 x 8 cm; 17 lbs.

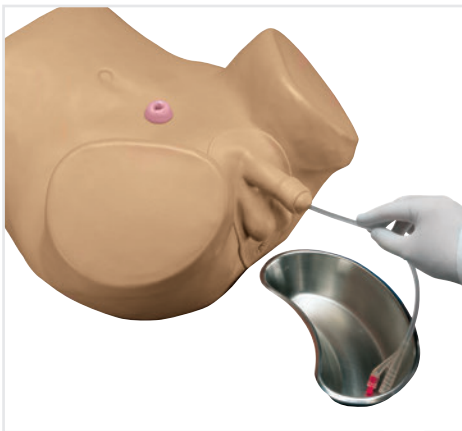
M-1017983

Replacement Parts

10 Urethral Catheters, CH16
Lubricant, 250 mL

M-1005612

M-1008575



Advanced Patient Care Male & Female Catheterization Simulator

Considered fundamental in all nursing studies, the delicacy and intricacy of catheterization mandates training on a simulator to ensure patient comfort and student confidence.

Features:

- Male and Female lower torso with realistic parts
- Normal size prostate gland for palpation during rectal examination
- Internal and external bladder reservoir for standard catheterization exercises
- Functional suprapubic stoma to practice skin prep, stoma hygiene, and application of disposable and permanent ostomy bags
- Modular urethral valve prevents fluid leakage

Male M-1017545

Female M-1017544

Male & Female Catheterization & Ostomy Care Simulator (not shown)

This "two-in-one" simulator allows:

- Catheterization: The interchangeable male and female genital organs feature a modular urethral valve to prevent fluid leakage
- Ostomy care: 3 stomas (transverse colostomy, ileostomy, suprapubic) may be dilated and allow practice of irrigation procedures as well as application of ostomy bags
- Each stoma is connected to an internal tank. Supplied with carrying bag

M-1005806

Male & Female Catheterization Simulator

The Catheterization Simulator is constructed with a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter. The normal feeling of resistance and pressure will be experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder. When the catheter enters the bladder, artificial urine (water) will flow from the catheter as it would with a real patient. This simulator is the torso of a middle-aged woman with thighs abducted for proper position during catheterization. The external genitalia and perineum are molded in life-like form. The labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus. Includes a hard carrying case, lubricant, catheters*, and teaching guide. 1 year warranty. 61 x 40.5 x 33 cm; 11.0 kg

***Note:** A Foley catheter can be used if extreme care is taken to inflate the cuff only when it is in the proper position. Just as in a real patient, the cuff must be completely deflated before the catheter is removed. Improper use of a Foley can result in damage to the simulator, just as when using a Foley catheter with a real patient.

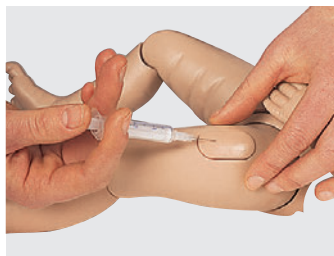
Male M-1005587

Female M-1005588

Heart Catheterization Simulator

This simulator is ideal for practicing central venous catheterization. All appropriate landmarks are palpable for realistic identification of insertion sites. Remove skin to reveal location of veins, arteries, and other landmarks. Artificial blood flows from needle to provide confirmation of proper needle location. Venous catheters can be snaked into place once the introducer is properly inserted. Includes fluid supply bags, replaceable skin, tubing sealant, needles, one quart of blood, and teaching guide in a hard carry case. Fluid supply stand not included. Three-year warranty.

M-1017260



Pediatric Nurse Training Newborn

This advanced and incredibly realistic model with male and female features includes internal organs (heart, lung, intestine system, stomach, and bladder), interchangeable genital organs and fully movable head, arms and legs. It allows the trainees to easily practice tracheotomy care, male and female catheterization, enema insertion, injections (femoral, gluteal I.M. and subcutaneous). See online for full description and accessories.

M-1000505

Optional Equipment

Injection Pads for thigh and hip

M-4000162

Life/form® Micro-Preemie Simulator

This 25-week ELBW (Extremely Low Birth Weight) neonate is the smallest and most realistic pre-term infant available. Invaluable for training nurses and parents in care and handling techniques for babies that have had multiple medical interventions; the perfect team training aid for multiples or other high-risk delivery and transport scenarios. The baby can be ventilated and will accept a functional ET tube, NG tube, umbilical catheter, and IV line, as well as a non-functional chest tube and stomas. Detachable neural tube defect and omphalocele. See online for full description and functionalities

Light Skin M-1017238

Dark Skin M-1018197



Nurse Training Infant

This newborn-size infant allows health care facilities and medical staff to teach special procedures and develop a nursing care plan for special needs infants. The simulator was developed for a wide range of educational training, including beginning nursing students.

Procedures that can be practiced include:

- Tracheostomy care (lavage and suctioning)
- Gastrostomy cares (lavage and gavage)
- Nasogastric care (placement, lavage, gavage, and suctioning)
- Urethra catheterization (insertion, placement, and care)
- Colostomy stoma (basic care purposes only)

Female M-1018099

Male M-1018198



Mike® and Michelle® One Year Pediatric Care Simulator

By simulating a one-year old with rotatable arms and legs (jointed elbows and knees) and articulating head, this manikin allows training of basic and advanced pediatric patient care procedures. Supplied with t-shirt, shorts, neck brace and carrying bag. 89 x 38 x 22 cm; 5.0 kg

Practice these techniques:

- Bathing and bandaging activity
- Intramuscular injection sites in left deltoid and right upper thigh
- Interchangeable male organ
- Tracheotomy opening
- Male and female catheterization
- Removable internal tanks
- Enema administration

M-1005804

Optional Parts

I.V. Injection Arm

M-1005795



Newborn Patient Care Baby

This manikin simulates a 0-8 week old newborn with rotatable soft arms and legs. Supplied with T-Shirt, diaper and carrying bag It allows training of basic and advanced pediatric patient care procedures such as:

- Bathing and bandaging
- Tube feeding and gastric suction (movable tongue)
- Heel stick and finger prick practice
- Male and female catheterization
- Enema administration

M-1005802



Nursing Baby

Nursing Baby (SimPad® capable) is an infant manikin designed for scenario-based training of the care and management of a variety of infant in-hospital patients. Training includes sounds auscultation, IV and IO skills. Nursing Baby comes with full-body infant manikin, 3 simulated rectal suppositories, manikin lubricant, baby pants, simulated blood, carrying case, and directions for use.

M-1005245

Additional Items Required

SimPad **M-1013866**



Male Baby Care Model

This baby boy will never lose its patience. Parents-to-be or the baby care trainee can perform bathing, changing, dressing and feeding simulation until these techniques are mastered. Very useful for pre-birth courses!

M-1000506



Physio Baby, with Male Clothes

This cute baby-doll is ideal for training the main principals of baby care at school and in preparation courses for young parents. Unisex, with male or female clothes.

It allows dressing, undressing, washing, changing diapers, and many other procedures. Due to the realistic size of a newborn infant you can use ordinary baby clothes.

Limbs, head and waist are flexible so that you can also practice baby gymnastics and physiotherapy exercises.

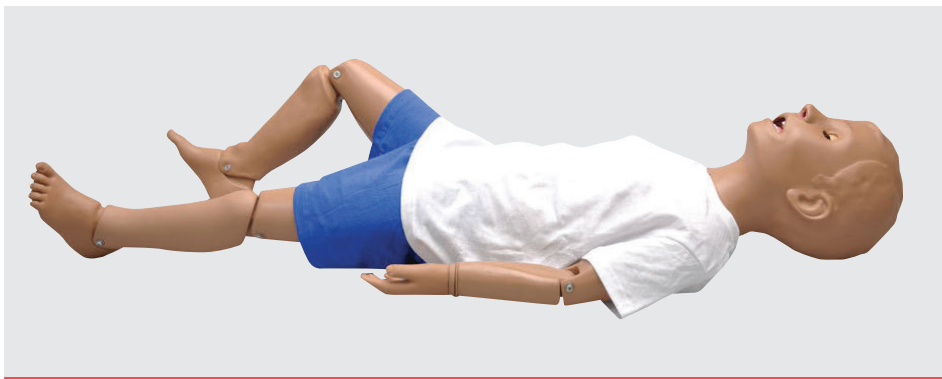
Male M-1005094

Female M-1005095



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Mike & Michelle® Child Patient Care Manikin

This manikin simulates a five-year old child with rotatable arms and legs (jointed elbows and knees) and articulating head. Supplied with T-Shirt, shorts, neck brace and carrying bag. It allows training of basic and advanced paediatric patient care procedures such as:

- Bathing and bandaging
- Ophthalmic exercises
- Oral and dental hygiene (articulating jaw with teeth and tongue)
- Tube feeding and gastric suction
- I.M. injection (upper thigh and deltoid)
- Tracheotomy care
- Male and female catheterization
- Enema administration

M-1005808



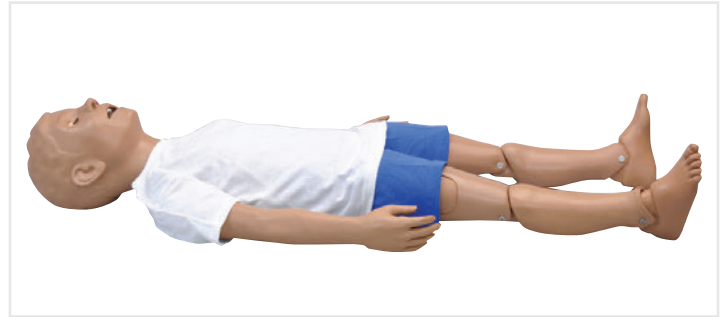
Nursing Kid

Nursing Kid (SimPad® capable) is a training manikin realistically representing a six-year old child. He is designed for skill and scenario based training of the care and management of a variety of pediatric in-hospital patients. Training includes sound auscultation, IV cannulation, urinary catheterization, and general pediatric patient care. This child is ideal for clinical training in core pediatric in-hospital clinical skills. Nursing Kid includes: Full-body pediatric manikin, manikin lubricant, simulated blood, hospital gown and directions for use.

M-1005244

Additional Items Required

SimPad **M-1013866**



CPR Trauma Care Simulator, 5-year Old Child

The Mike and Michelle five (5) year CPR and trauma care simulator is an excellent training tool for basic life support. This simulator permits student and teacher to practice CPR as well as emergency medical treatment on an accurate representation of the school-age child.

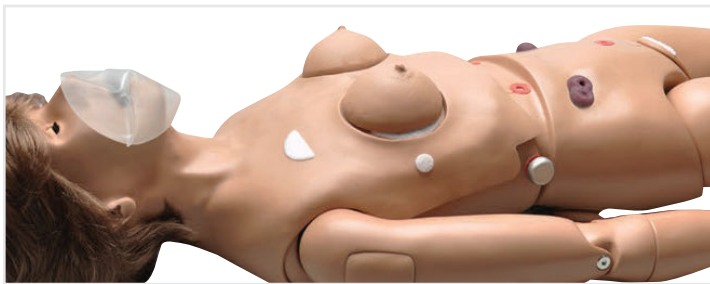
M-1017539



Internal Fetal Monitor Trainer

This life-like 3D trainer provides realistic simulation for proper insertion of an internal electrode for fetal heart monitoring. This three-dimensional model includes the fetal head, lower uterine segment, and cervix made from lifelike materials. The fetal model is encased in a durable plastic case which allows for easy visualization of parts. The fetal head can also be removed to practice fetal spiral electrode application while visualizing the procedure. Also includes one model of cervical dilatation depicting 4 cm of dilatation. All parts are easily removed for washing. Includes lubricant, instructions, and nylon carry case.

M-1017263

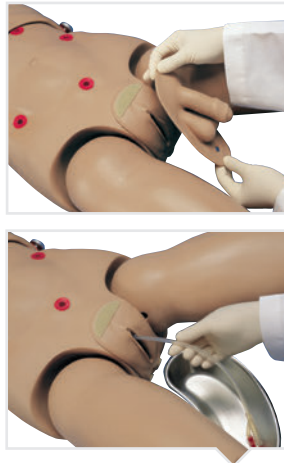


Code Blue I Multipurpose Patient Care and BLS Manikin

This adult manikin features training of basic and advanced patient care as well as Basic Life Support functions. The legs can be removed for compact storage. Supplied with neck brace. Visit 3bscientific.com for full details.

- Hair care and surgical draping
- Bathing and bandaging
- Oral and dental hygiene (movable jaw with removable dentures)
- Ophthalmic care
- Ear irrigation and application of otic drops
- I.m. injection (arm and buttock)
- CPR Monitor: displays cadence and depth of compression and ventilation

M-1005782



Susie Simon® Patient Care Simulator with Ostomy

Full-size adult manikin with jointed elbows, wrists, knees and ankles. Soft, realistic hands, feet, fingers, toes and face skin. See online for full description.

- Removable upper and lower dentures for oral hygiene
- Realistic eyes for ophthalmic exercises
- Ear canal or otic drops and irrigation
- Mouth, nose, and tracheotomy openings for nasogastric lavage and gavage
- Interchangeable male organ
- Intramuscular injection site in right and left upper arm and buttock
- Enema administration capability
- Realistic urethral passage and bladder for catheterization exercises
- Vaginal douching and pap smear exercises
- Sculpted stomas of a transverse colostomy, ileostomy, and suprapubic stoma
- Bathing and bandaging activity

M-1005785

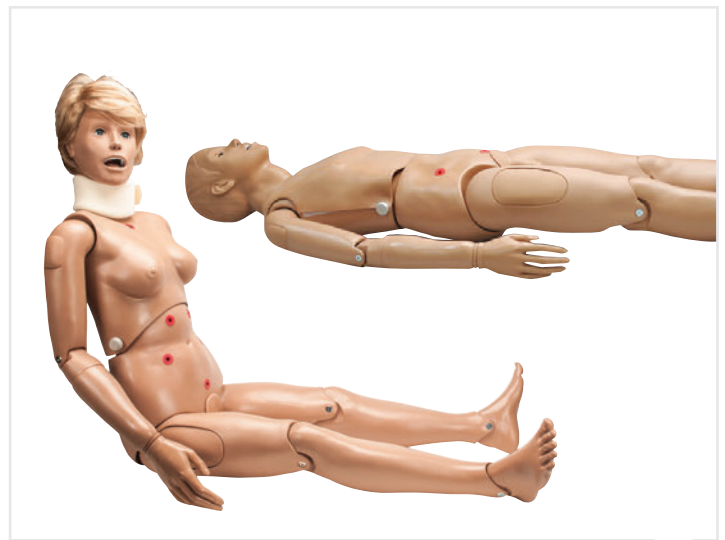
Replacement Parts

Arm Injection Site **M-1005786**

Optional Equipment

Buttock Injection Site **M-1005787**

Carrying Bag **M-1005788**



Basic Patient Care Manikin, Male and Female

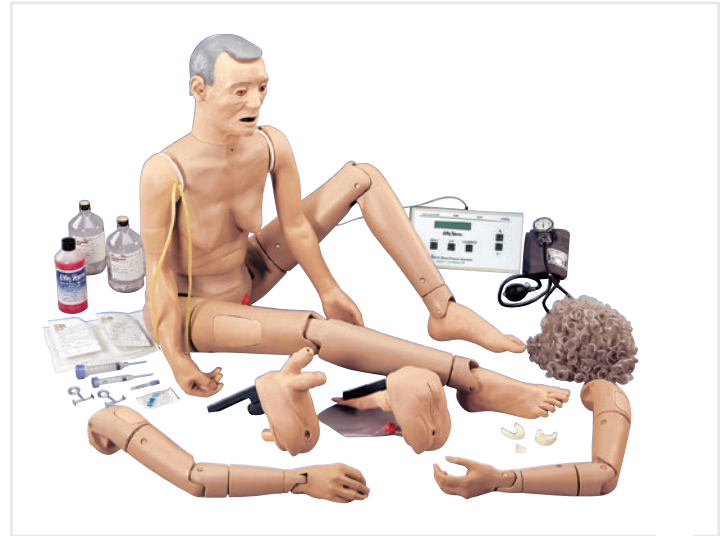
Full-size adult manikin with movable joints and soft fingers and toes for training of important basic nursing skills such as:

- Hair care and surgical draping
- Bathing and bandaging
- Oral and dental hygiene (movable jaw with removable dentures)
- Ophthalmic care
- Ear irrigation and application of otic drops
- I.m. injection (arm and buttock)

The legs can be removed for compact storage. Supplied with neck brace.

Male M-1005803

Female M-1005807



Geriatric Patient Care

The Advanced GERi™ Manikin simulates over 35 nursing and medical procedures. Ideal for OBRA Required Training. Life/form® 3-Year Warranty. Carry case not included.

Features:

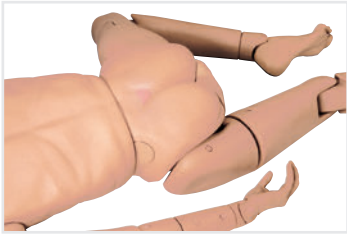
- Right IV Training Arm with a shoulder intramuscular injection site featuring replaceable skin and veins that roll when palpated; realistic flashback confirms proper needle placement
- Left Blood Pressure Training Arm that reproduces all five Korotkoff sounds and allows the instructor to vary systolic and diastolic levels, pulse rate, volume, and auscultatory gap
- Standard arms with right and left shoulder intramuscular injection sites

M-1005606



Connect with us!





KERI™ Complete Nursing Skills Manikin

The KERI™ Nursing Skills Manikin uses Life/form® molding and modeling techniques to provide an unusually realistic appearance without being age-specific. Life/form® simulations have been included in KERI™ to allow the practice of more than 35 patient care procedures. See online for full description.

M-1013742

Basic Geri™ Nursing Skills Elderly-Care Manikin

For the economy-minded program that still wants the best! The basic Geri™ Manikin provides all the regular features of the Geri™ Complete Manikin, except internal fluid reservoirs have been eliminated for greater economy. Urinary catheterization cannot be performed on the Basic Geri™. 14 kg

M-1005620

Geri™ Nursing Skills Elderly-Care Manikin

This nursing manikin features an elderly appearance and is convertible between male and female. Besides basic nursing skills this manikin also allows the practice of male and female catheterisation. Skin wrinkles, reddened skin fold, a dilated pupil, a stage I decubitus sacral ulcer, a normal mole and a cancerous mole are represented. The neck and all major joints are fully movable into any natural human position. Hands and feet are made of soft, flexible material for added realism. Meets all OBRA (Omnibus Budget Reconciliation Act) requirements. Delivered in storage carton.

M-1005597



Expand your Geri™ and KERI™ training!

Nursing Care Wound Kit for Geri™/KERI™ Nursing Manikins

This wound kit offers a highly detailed variety of disease, pressure and surgically induced wounds to assist practitioners in understanding the treatment of their patients. The kit comes with a spray container of odors including sweat and vomit. See online for full moulage & accessory kit components.

M-1017984



Geri™ and KERI™ Optional Pressure Ulcer Foot

The Life/form® Geri™/KERI™ Optional Pressure Ulcer Foot is great at reinforcing that pressure ulcers are more likely to appear on pressure points such as heels, tips of toes, between toes, or anywhere the bones may protrude and rub against socks, shoes, or bed sheets. The pressure ulcer foot contains all four severities of stages 1-4. Easily attaches to any Geri™ or KERI™ Patient Care Manikin and includes an instruction key card.

M-1017985



3B Scientific® Patient Care Manikin

The bestselling patient care simulator allows practice of most procedures from basic and advanced nursing, to clinical and emergency skills. Made of durable, unbreakable, water-resistant plastics, it is also flexible, allowing natural movement of the arms, legs and joints. Internal organs are removable and fitted with drainage seals for easy cleaning. Bladder and intestinal section are watertight and connected to the external genitalia to allow catheterization. Six special injection pads allow repeated injections and years of use. Also included is an amputation stump to practice dressing techniques. 174 cm; 21.0 kg

Included is:

intestine tube, catheter, duodenal probe, talcum powder, Vaseline, and lubricant.

The only manikin you need to teach and practice:

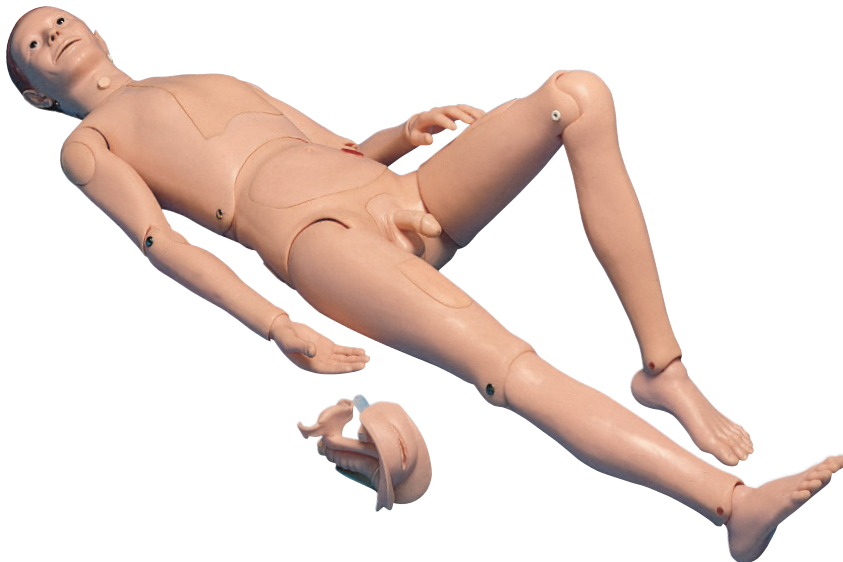
- Personal hygiene, cleaning (removable partial prosthesis)
- Lifting, mobilization
- Bandaging and wound dressing (including stump dressing)
- Irrigations (eye, ear, nose, stomach, intestine, bladder)
- Injections (intramuscular and subcutaneous)
- Nasogastric lavage and gavage
- Oxygen treatment, artificial respiration
- Tracheotomy care
- Catheterization (male and female)
- Ostomy care (colostomy)
- Enema administration

M-1000502

Replacement Parts

Work Set M-4000147

- Vaseline
- Talcum Powder
- 1 Duodenal tube
- 1 Single-use catheter CH 14
- 1 Rectal tube CH 28
- 250 ml Lubricant
- Replacement seals and screws



3B Scientific® Patient Care Manikin, II

Our best-selling patient care simulator M-1000502 is also available in a basic version without internal organs and is primarily designed for geriatric care and basic patient nursing. All procedures described above can be practiced except nasogastric lavage and gavage, internal irrigations, ostomy care, catheterization, and enema administration. 174 cm; 20.0 kg

M-1000503

Upgrade Kit for M-1000503

M-1000504

Easily converts the M-1000503 Basic Patient Care Manikin into the M-1000502 Deluxe version. 3.0 kg



Decubitus Ulcers

Size: 50 x 67 cm (20 x 26")

M-1001606



Rheumatism

Size: 50 x 67 cm (20 x 26")

M-1001476



Connect with us!





Skill training for healthcare professionals!

Nursing Kelly

Nursing Kelly (SimPad® capable) is designed for scenario-based training of the care and management of a wide variety of patients. Training includes blood pressure measurement, auscultation, wound care assessment and management. This full body adult male manikin is perfect for beginning education of healthcare professionals. Extra shipping charges may apply.

Features:

- Instructor-controlled blood pressure arm allows for realistic palpation and auscultation. Systolic and diastolic pressures, auscultatory gap, and volume are variable
- Articulating IV training arm has replaceable skin and infusible vein system allowing peripheral intravenous therapy
- IV cannulation, medication administration, site care and maintenance are allowed in the antecubital area and the dorsum of the hand, accessing the median, basilic, and cephalic veins
- Ability to practice medication dose calculations and administration through intramuscular injections at the deltoid, gluteal, ventrogluteal, and thigh sites
- Belly plate with interchangeable stomas depicting colostomy, ileostomy, and suprapubic cystostomy
- Realistic male and female urinary catheterization and enema procedures may be performed with fluid return

M-1005243

Nursing Wound Modules

M-1005251

Add wound modules to create realistic scenarios for wound assessment and care!

Use SimPad® to enhance training with these patient care manikins!

SimPad®

When simulation tools are easy to use, teaching becomes more effective. The SimPad® system is designed in close collaboration with simulation users over many years to ensure an easy and efficient way to run simulations. Developed in collaboration with simulation users from many healthcare disciplines, SimPad was designed with the consumer's needs in mind. SimPad is easy, effective and affordable. SimPad is virtually a "Pick up and Play" experience, featuring an intuitive, interactive handheld touchscreen, enabling simulations to be run easily and effectively. The SimPad System can be operated in Automatic Mode, using existing pre-designed scenarios, or in Manual Mode, allowing instructors to customize simulations, facilitating a broad range of educational experiences. In addition, the SimPad System can be used with a wireless patient monitor.

The SimPad System provides a comprehensive library of physiological patient parameters, including vital signs, ECG recordings, organ and patient sounds. The Log function allows instructors to keep track of simulation outcomes, a useful tool for debriefing and assessment. SimPad's total portability allows users to train for any situation, in any environment, bringing instructors closer to students for a more efficient and effective learning experience.

Compatibility with simulators and manikins, both new and existing, allows institutions to integrate new technology, and revitalize their current simulation platforms. SimPad is compatible with VitalSim platform, as well as non-manikin activities such as standardized patients and task trainers. With SimPad, educators spend less time learning how to use the technology, and more time actually using it.

M-1013866



Nursing Kelly



Nursing Anne



Nursing Kid



Nursing Baby





Nursing Anne

Nursing Anne (SimPad® capable) is an efficient, effective, flexible manikin for clinical training in women's health, obstetrics, post-partum, wound assessment and care, and general patient assessment and care.

Product Features:

- Head with anatomical landmarks, trachea and esophagus, along with simulated lungs and stomach allow the practice of many procedures, including NG, OG, tracheal care and suctioning
- Normal and abnormal heart, breath, and bowel sounds, and fetal heart tones for auscultation
- Extensive library of rhythm variants for ECG interpretations using standard clinical monitors
- Instructor-controlled blood pressure arm allows for realistic palpation and auscultation. Systolic and diastolic pressures, auscultatory gap, and volume are variable
- Articulating IV arm allows for practice of IV cannulation, medication administration, and site care and maintenance
- Practice medication dose calculations and administration through intramuscular injections at the deltoid, gluteal, ventrogluteal, and thigh sites
- Optional modules can be added for breast examination, post-surgical mastectomy care, fundus massage skills, and assessment and care of wounds and surgical incisions
- Scenarios for the optional SimPad® available from the SimStore™ library provide standardized training while customizable scenarios and real-time instructor control allows adaptation to meet individual student's needs

M-1005212

SimPad® capable manikin!

Nursing Anne Add-on Modules



Wound Care and Assessment Set

- Abdominal Incision Module with Painted Sutures
- Abdominal Incision Module with Staples and Penrose Drain
- Abdominal Incision Module with Nylon Sutures and Penrose Drain
- Abdominal Subcutaneous Heparin and Insulin Injection Module
- Abdominal Packing Module
- Infected Colostomy Stoma
- Ventro-Gluteal and Gluteal Decubitus Ulcer Modules
- Below Knee Amputation Stump
- Thigh Packing and Irrigation Module
- Thigh Suture Module
- Thigh Debridement Module
- Varicose Vein Leg with Stasis
- Ulcer Diabetic Foot Module

M-1005274



Breast Exam Module

The Breast Exam Module facilitates training in the recognition of breast disorders, sizes of nodules, and relative locations by simulating multiple abnormalities found during breast examinations.

- Normal anatomy of female breasts
- Interchangeable abnormalities to be used with breast modules
- Fibroadenoma
- Cyst
- Solid lump/mass

M-1005271

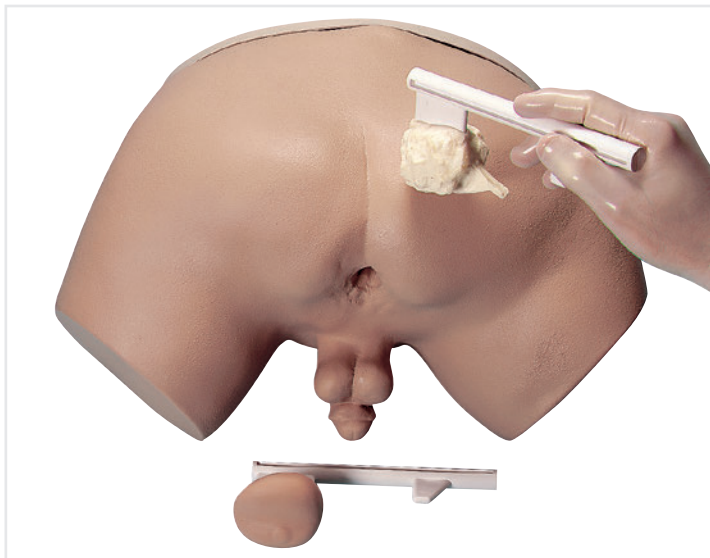


Mastectomy Module

The Mastectomy Module is a wonderful addition to the Nursing Anne and is used to practice post surgical mastectomy care procedures.

- Normal anatomy of a post operative left total mastectomy
- Surgical area skin closed with staples
- Drain tube placed just under the skin

M-1005272



Prostate Examination Simulator

This prostate exam simulator consists of a male abdomen body and 4 different interchangeable prostate glands which can be inserted to allow realistic practice in diagnosis of prostate cancer by rectal examination. Comes complete with four glands, hard carrying case, lubricant, cleaner, and teaching guide. 54.5 x 38 x 30.5 cm; 11.0 kg

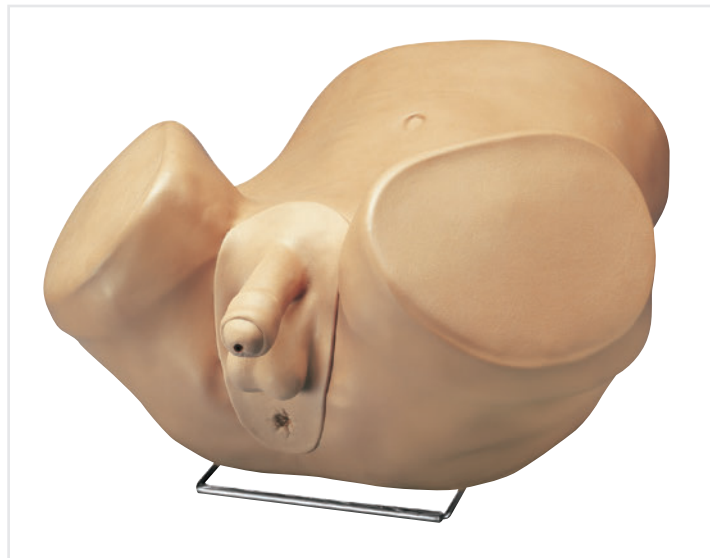
Stage A Gland: Benign, slightly enlarged, but otherwise normal prostate gland.

Stage B Gland: A discrete, hard nodule is palpable in the upper right quadrant, simulating a beginning stage of carcinoma.

Stage C Gland: The spread of carcinoma is demonstrated in this gland. The small nodule has increased in size and has become an external hard mass on the surface of the gland.

Stage D Gland: This gland is totally replaced with carcinoma. The entire gland will feel hard and irregular.

M-1005594



Advanced Patient Care Male Prostate Simulator

Features:

- Realistic anal opening permits insertion of a lubricated, gloved finger
- Four interchangeable modules depicting a moderately enlarged benign prostate, a prostate with two discreet nodules, a prostate with an easily palpable large mass, and a prostate with malignant invasive cancer
- Prostates individually mounted on clear plastic cards for easy placement and removal
- Instruction manual
- Soft carrying bag

M-1013902



No Scalpel Vasectomy (NSV) Model

A compact simulator developed to assist in learning a new method of vas occlusion. To provide realism, the leg stumps are designed to "get in the way" of the student as the procedure is mastered. Includes two removable scrotal skins and two testicles, two long vas assemblies that can be advanced as needed for NSV exercises, and instructions for use.

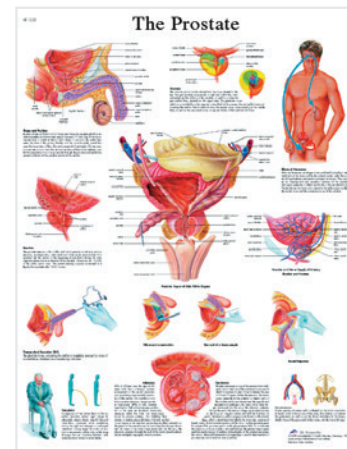
M-1017240



Prostate Identification Trainer

Supplied in a four sided box which houses 4 prostates: Normal Benign, Enlarged Benign, Early Malignant and Advanced Malignant. Each is identified via a single, gloved finger access port. The soft but firm touch of these prostates has been extensively tried and tested by specialist urologists.

M-1005163



Prostate Gland Chart

Size: 50 x 67 cm (20 x 26")

M-1001566

▶ More charts available online at 3bscientific.com ◀



Demonstrate & Practice Multiple Procedures

ZOE® Gynecologic Simulator

Designed by physicians and healthcare providers. Simulator represents a female adult lower body with relevant internal anatomical landmarks and anatomically accurate fimbriae and ovaries. The Gynecologic Exam Simulator combines and delivers the ability to demonstrate multiple gynecologic procedures, practice laparoscopic examination and mini-laparotomy, recognition of pathologies, and placement of contraceptive devices. Talcum powder, lubricant and soft nylon carrying bag.

Features:

- Vaginal speculum and bi-manual pelvic examination
- Uterine sounding
- Insertion and removal of contraceptive devices such as IUD, 75mm diaphragm, or female condom
- Laparoscopic visualization and occlusion of fallopian tubes
- Mini-laparotomy

Note: The image shows an opened model to make the inner structures visible. The model is supplied with a closed abdomen.

M-1005797

Optional Equipment

7 Uteri – Normal with External Pathologies	M-1005798
7 Uteri – Normal with Internal Pathologies	M-1005799
Postpartum Uterus	M-1005812
2 Early Pregnant Uteri	M-1005813



EVA Gynecologic Trainer

A life-like female pelvis for developing diagnostic skills in gynecologic procedures, anatomical instruction, abdominal palpation, and speculum instruction. EVA allows the comprehensive, stress-free introduction of gynecological examinations, or more advanced tactile comparisons of pelvic pathologic conditions in a classroom setting, easing the way into clinical experience. Constructed of soft, easily cleaned, vinyl materials that approximate skin texture, EVA provides detailed, life-like anatomical features and references. Manikin comes with instruction sheet and soft nylon bag. 3 year warranty. 30.5 x 33 x 33 cm; 4.0 kg

- Normal cervix and uterus for IUD insertion and removal
- Normal parous cervix
- Cervix with endocervical polyp
- Cervix with ectropion characteristics
- Cervix with neoplasia (carcinoma)
- Pregnant 10 week uterus
- 2 adnexal masses

M-1005723



GYN/AID® Gynecologic Simulator

This simulator represents a female adult's lower body with soft outer skin as well as anatomically accurate fimbriae and ovaries. Various pelvic examinations including recognition of pathologies and placing of contraceptive devices can be trained. 51 x 46 x 25.5 cm; 8.5 kg

Features:

- Vaginal speculum and bi-manual pelvic examination
- Uterine sounding
- Insertion and removal of contraceptive devices such as IUD, diaphragm, cervical cap, contraceptive sponge or female condom

The simulator is supplied with normal and abnormal cervixes and uteri which can be easily changed:

- 1 normal anteverted uterus with transparent top and round ligaments
- 1 normal uterus
- 6 uteri with external pathologies
- 2 normal cervixes with patent os for IUD insertion removal
- 6 cervixes with pathologies

M-1005789



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Pelvic Examination Simulator Set

The Set includes two simulators with identical outward appearance. However, the palpable internal structure differs. One of the simulators is considered "normal" and contains normal ovaries, cervix, and uterus. The other "abnormal" simulator has an ovarian cyst; the ovary has a solid tumor, and the uterus is indicative of leiomyoma uteri. Bony landmarks and normal and atypical organs are anatomically correct in size, shape, texture, and location. The tumor and masses have realistic texture and are placed to ensure anatomical accuracy.

The Pelvic Examination Simulator Set includes two simulators ("normal" and "abnormal"), instruction manual, lubricant, glove, and two hard carrying cases. 3 year warranty.

M-1017850

Normal Pelvic Examination Simulator Only

M-1018328

Abnormal Pelvic Examination Simulator Only

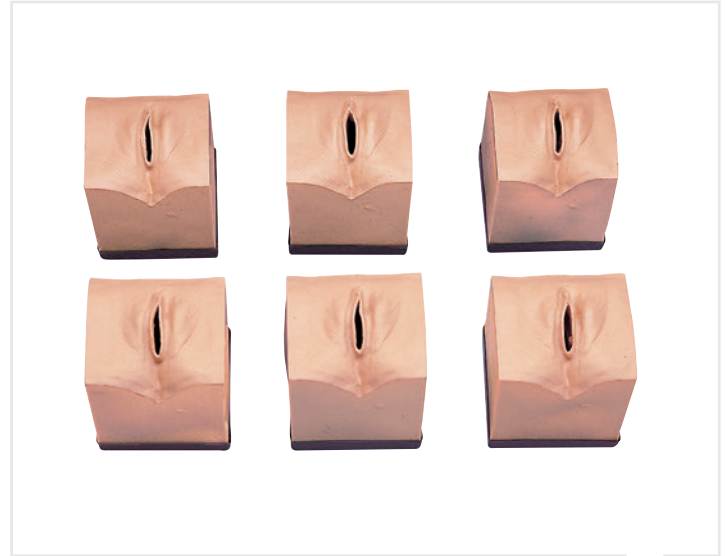
M-1018329



Vaginal Examination Simulator

This state-of-the-art patient care simulator is ideal for training in vaginal examination, bi-manual pelvic examination, IUD insertion techniques, and viewing cervical normality vs. abnormalities. The Vaginal Examination Simulator includes seven normal and abnormal uteri, one normal uterus with six detachable cervical replicas, two uteri for IUD introduction, two spare internal tanks, stomach cover, lubricant, and carrying bag. Simulator is also available in black skin tone on a special-order basis.

M-1017986



New realistic material!

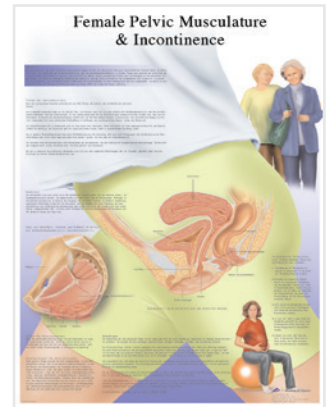
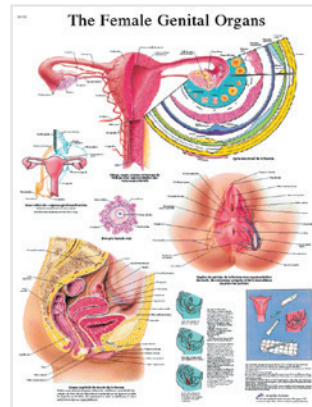
Cervical Examination Simulator

This birthing simulator consists of 6 anatomical pelvic blocks which are ideal to teach, demonstrate and practice cervical examination prior to birth. Although externally identical, the internal textures, tissue densities and correct anatomical sizes are carefully represented to provide the most realistic female genital condition possible. This anatomical model is a great addition to any lesson about the process of birth, including gynecological training. The simulator is delivered with teaching guide and storage case.

The following stages of the cervix during birth are represented:

- Stage 1 (no dilatation, no effacement)
- Stage 2 (2 cm dilatation, 50% effacement)
- Stage 3 (2 cm dilatation, full effacement)
- Stage 4 (5 cm dilatation, full effacement)
- Stage 5 (7 cm dilatation, full effacement)
- Stage 6 (9 cm dilatation, full effacement)

M-1005599



Laminated Charts

Size: 50 x 67 cm (20 x 26")

Female Genital Organs

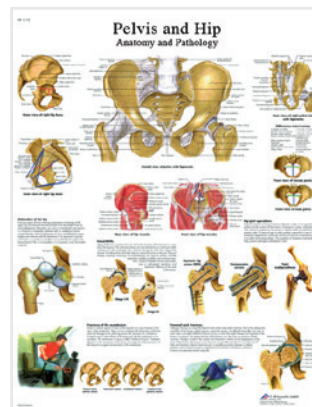
M-1001568

Female Pelvic Musculature & Incontinence

M-1001570

Pelvis and Hip

M-1001486





Childbirth Simulator

A perfect model to teach and practice diagnostic and therapeutic manipulation before and during the birth. A female pelvis with covered belly cavity, removable vulva and a fetus. Delivered on baseboard. 30 x 55 x 55 cm; 5.5 kg

M-1001260



Advanced technology for medical education!

Birthing Station Simulator

This birthing simulator is especially designed to demonstrate and practice the palpation of the birth canal. It shows the relationship between fetal head and ischial spines of the pelvic bone during birth. A simulated fetal head of the birth simulator can be locked in three different stations to demonstrate its position above, between and below the ischial spines. This anatomical birthing model is a great addition to any lesson about the human birth process. The birthing simulator is delivered with storage case. It is great for any gynecological and birth training.

M-1005589



Fetal Monitoring and Labor Progress Model Set

This versatile model provides a life-like simulation for performance of vaginal examinations, application of the fetal spiral electrode and intrauterine pressure catheter, assessing dilation, palpating fetal fontanelles and suture lines, and assessing position of the vertex. This three-dimensional model includes the fetal head, lower uterine segment, and cervix made from life-like materials. The fetal model is encased in a durable plastic case which allows for easy visualization of parts. The fetal head can also be removed to practice fetal spiral electrode application while visualizing the procedure. All parts are easily removed for washing. A practice/resource guide is included with directions for use. Comes with carrying case. 14 x 13 x 21 cm; 4.5 kg

This life-like 3D model includes:

- Fetal head
- Lower uterine segment
- Fetal Buttocks
- Cervix
- Five Labor progress components

M-1005579



Life-like Childbirth Simulator

This life-like simulator gives your trainees practice in normal vaginal delivery as well as procedures for breech and vertex presentation. The simulator contains two interchangeable abdominal overlays – one containing an additional fetus in a simulated amniotic fluid sac for practicing Leopold's manoeuvre, the other being transparent to allow a view of the fetal position. 53.5 x 33 x 43 cm; 9.0 kg

Features:

- Anatomically correct female pelvis with representation of internal landmarks such as spinal column, angled birth canal, ileum, ischium, sacrum, sacro spinious ligaments and greater sciatic notch
- Full term fetus with fontanelles and cranial sutures
- Placenta with six disposable umbilical cords and clamps
- Easily replaceable spare vulva
- Simulated blood powder
- Soft carrying bag

M-1000002

Required item

Full Term Newborn for Forceps Delivery

M-1005699



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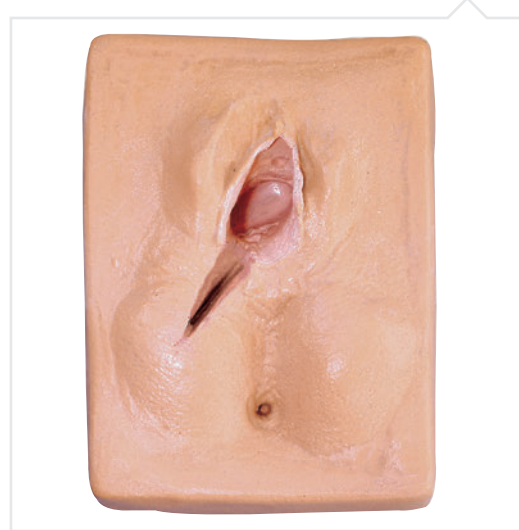
New material makes it even more realistic!

Episiotomy Suturing Simulator

A realistic way for students to learn good surgical techniques without time constraints or concern for patient safety. The life-like texture allows the student to develop a "feel" for instrument handling, tension on suture, and the right method of tying knots. Simulators can be used by the student in a learning lab with an instructor, or by the student alone in the clinical setting just prior to patient experience. The set includes three episiotomies and is delivered in a storage case with instruction booklet. 20 x 15 x 7 cm; 1.5 kg

- 3 Episiotomy Simulators: Midline, left mediolateral, right mediolateral
- Highly portable

M-1005627



Perineal Laceration Kit

This obstetrical simulator offers an unprecedented opportunity for students to master the techniques needed to repair most common birth injuries. By making their own incision into the soft, life-like pad, students and instructors can create a traditional episiotomy or nearly any type of first- through fourth-degree lacerations. Embedded within the tissue are discreet structures representing the bulbocavernosus muscle, transverse perineal muscle, and external anal sphincter. These muscles can be cut and repaired individually just as they would be in a real patient. Don't be fooled by its incredible soft, realistic feel; the simulated tissue will remain tough and resilient through many training sessions. A fully adjustable stand holds the pad and molded base at any angle. The Perineal Laceration Training Kit includes soft pad with molded base, adjustable stand, dissection instruments in fold-over case, one suture with curved needle, and a soft carrying case. Replacement pads available.

M-1013817

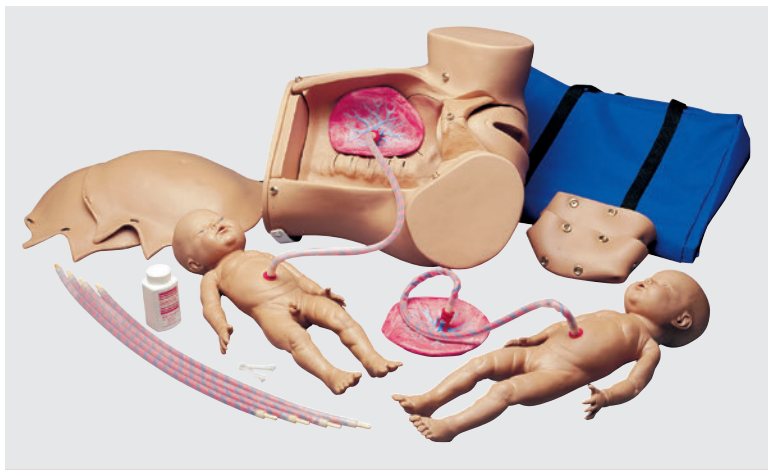
Cervical Replica

This desktop cervical model is an excellent patient education tool for physicians and health care providers. Instructions manual included.

M-1017243



▶ Need more information? Visit us at 3bscientific.com! ◀



Bestseller

Advanced Childbirth Simulator

An outstanding training model for medical students to build confidence and practice in childbirth. This versatile simulator is used worldwide by healthcare educators. It not only provides an excellent simulation of the normal delivery experience for the student and educator, but also provides instruction in abnormal and multiple deliveries. Used in medical schools, doctor offices, clinics and even legal presentations. 53 x 33 x 43 cm; 8.0 kg

Demonstrate the following obstetric procedures:

- Normal vaginal delivery
- Complete, frank, and footling breech birth
- C-section delivery
- Ritgen's maneuver
- Episiotomy
- Vertex presentation
- Intrauterine manipulation
- Vertex/vertex, vertex/breech, breech/vertex, or breech/breech presentation in multiple birth
- Prolapse of umbilical cord
- Demonstration of placenta previa: total, partial, and marginal
- Normal delivery of umbilical cord and placenta
- Palpation of fetal fontanel's
- Simulated suction of nose and mouth

Features:

- Removable diaphragm end plate for manual positioning of fetal baby/babies
- Removable stomach cover for positioning fetus
- Life-size pelvic cavity with major anatomic landmarks
- Hand-painted outline of the bony pelvis
- Three soft vulval inserts for episiotomy exercises
- One baby boy and one baby girl, each with umbilical cord and placenta
- Anatomically accurate backbone and fontanel's on fetal baby/babies
- One skin-tone stomach cover; one transparent stomach cover
- Four extra umbilical cords
- Two umbilical clamps
- Talcum powder
- Instruction manual
- Soft nylon carrying bag

M-1005790

Optional Equipment

Palpation Model for Leopold Maneuvers

Full-term fetal baby with palpable fontanel's, spine, shoulders, elbows, and knees. This fetal baby may be placed in normal, breech, or transverse positions. It is cradled between two "cushions" which may be inflated independently of each other - inflation of the lower cushion raises the fetus to the desired position; inflation of the upper cushion creates a firm abdomen as in the ninth month of pregnancy. 33 x 30 x 18 cm; 1.8 kg

M-1005823

Fetus for Vacuum Delivery (not shown)

Features smooth, soft skull with fontanel for realistic vacuum delivery. 52 x 14 x 11 cm; 1.0 kg

M-1005791



Suzie® Articulating Newborn

Now you can show delivery room nurses a hands-on demonstration of all those strange birth positions that you only see in textbooks – this newborn simulator can mimic them all! Features: 19-part simulator including articulating head and neck, shoulders, elbows, hips, and knees; realistic mouth and nostrils for simulated suctioning; palpable fontanelles, spine, shoulders, buttocks, elbows, and knees; position of newborn raised or lowered by air pressure in lower "cushion"; ease of newborn palpation adjusted by air pressure in upper "cushion." Measuring approximately 16.5", Susie® may be used with the Advanced Childbirth Simulator M-1005790. Comes with instruction manual and soft carrying bag. 81 x 20 x 20 cm; 2.3 kg

M-1005814



Labor Delivery Module

The 6 labor stations represent conditions of the cervix and vagina prior to labor, during labor, and at birth in a primigravid woman. Delivered with carrying case. 32 x 34 x 16 cm; 0.5 kg

Stations illustrated are:

- Station -5: Prior to onset of labor
- Station -4: Cervix partially effaced
- Station -3: Cervix fully effaced
- Station 0: Fetal head at plane of ischial spine
- Station +2: Cervix nearing full dilation
- Station +5: Crowning of fetal head

M-1005824



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SIMone™ Birthing Simulator

Wins euRobotics Technology Transfer Award!

Simulate high-stress situations with the award-winning M-1000516 SIMone™ birthing simulator! Using patented haptic response technology, SIMone™ gives trainers and students a realistic, unique, and unrivaled training experience heightened by a specially developed visual and audio interface.

SIMone™'s patented force feedback mechanism allows the trainee to confidently learn and develop the skills necessary for performing complicated procedures. SIMone™ gives the opportunity to practice an instrumental delivery in a realistic manner - over and over again with little or no setup time! The M-1000516 is designed so that in less than 60 seconds a new birthing scenario can be initiated. SIMone™ also trains students in:

- Recognizing the right moment to select a vaginal assisted delivery
- Correct handling of medical instruments for delivery
- Assessing position of fetal head in relation to the maternal pelvis
- Labor management using a partogram
- Medication administration to achieve progress during delivery
- Interpreting fetal heartbeat and uterine contraction through a CTG
- Interpreting respiratory sounds
- Interpreting the sounds of pain experienced by the mother

SIMone™ is a model of a female abdomen with a vulva and the spina ischiadica as landmarks. Inside the simulator is a fetal head with the sagittal suture and fontanelle for determining the position and approach of the head. The touchscreen monitor displays an exact image of the position and rotation of the fetal head within the maternal pelvis. 3B Scientific's monitoring software provides information on the progress of the birth and allows training in intervention both through the use of medication and the use of vacuum or forceps. A variety of customizable delivery scenarios are presented in the monitoring software so that modified model-based training is possible. Additionally, the cardiotocograph and partogram support the assessment and progress of the delivery scenario. Administration of medication or amniotomy are interventions that may be used in order to achieve the necessary progress during the delivery.

M-1000516



▶ SIMone™ uses patented **haptic response technology!** ◀



Mama Natalie

Mama Natalie is a simulation tool kit to provide training for a normal or a complicated birth, as well as for the interaction between the trainee and the mother. The simulator is attached to the teacher who can manually control and manage the opening of the cervix, the foetal heart sounds, the position of the baby, the afterbirth, the amount of bleeding and the condition of the uterus.

Light Skin M-1017722
Dark Skin M-1017723



NOELLE™ Birthing Simulator

This childbirth simulator provides a comprehensive teaching system which combines the best of our patient care simulators with the advanced childbirth simulator.

NOELLE™ is designed to provide a complete birthing experience before, during and after delivery. The NOELLE™ birthing simulator comes with four umbilical cords, four dilating cervices, two umbilical clamps, talcum powder, water soluble silicone lubricant, instruction manual and carrying bag.

Simulator with Baby M-1012417
Simulator without Baby M-1005815

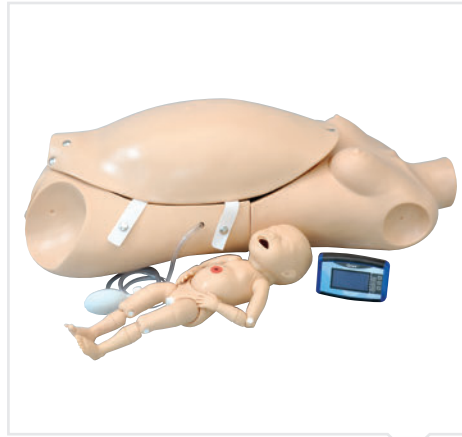


Fetus Model

This model simulates an average full-term fetus. The human fetus is made of a soft and durable cloth. The body of the fetus model is flexible to show all presentations and positions possible during birth.

The amniotic membrane allows you to show the fetal model inside the sack. The snap-on umbilical cord clearly shows the vein and arteries and a convenient drawstring closes the sack. Both amniotic and chorionic membranes are detailed accurately in two colors.

Baby M-1005571
Placenta & Umbilical Cord M-1005573



Maternal and Neonatal Birthing Torso

This comprehensive teaching system combines the best of our patient care simulators with the Advanced Childbirth simulator. It is designed to provide a complete birthing experience before, during and after delivery.

- Full size upper and lower female torso
- Removable stomach cover
- One articulating birthing baby with umbilical cord and placenta
- Automatic birthing system that rotates baby as it moves through the birth canal
- Measure head descent and cervical dilation
- Multiple placenta positions
- Replaceable dilating cervices
- Practice postpartum suturing on vulval inserts
- Practice Leopold Maneuvers

M-1015567



NOELLE® Birth Simulator with PEDI® Blue Neonate

This comprehensive teaching system combines the best of our patient care simulators with the Advanced Childbirth simulator. It is designed to provide a complete birthing experience before, during and after delivery.

- Intubatable airway with chest rise
- IV arm for meds/fluids
- Practice Leopold Maneuvers
- Automatic birthing system
- Measure head descent and cervical dilation
- Replaceable dilating cervices
- Practice postpartum suturing on vulval inserts
- One articulating birthing baby with placenta
- One resuscitation baby with intubatable airway and umbilical catheter site
- New postpartum hemorrhage and palpation module

M-1012732



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Arm Phantom Set

Model of a human arm for simulating Doppler sonographic examinations of blood vessels. Includes an ultrasonic Doppler probe and so-called phantom fluid for simulating blood. The model features a variety of tubing (simulating blood vessels), including one tube which simulates a blood vessel stricture or stenosis. Using the ultrasonic Doppler apparatus and a centrifugal pump, it is possible to simulate typical examinations used in vascular diagnosis. Doppler spectra are measured for the flow through arteries and veins with both a pulsing flow (like a heart beat) and continuous flow, allowing sounds typical of Doppler sonography to be heard. One particularly interesting feature is the possibility of observing the change in the spectra and the Doppler sound due to a stenosis (stricture) in the elbow. In addition, it is possible to calculate the flow index and resistance index from the curves measured with a pulsing flow.

Probe frequency: 2 MHz
 Probe dimensions: 200 mm x 15 mm diam.
 Length of lead: 1 m

M-1012880

Additional Items Required

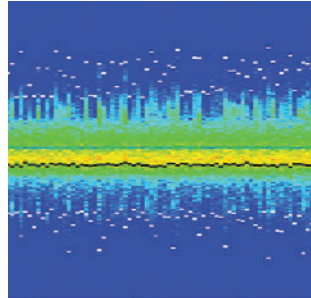
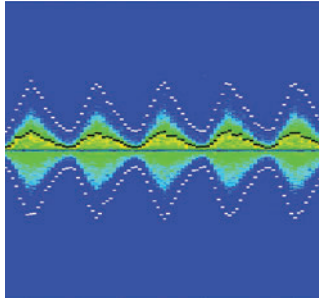
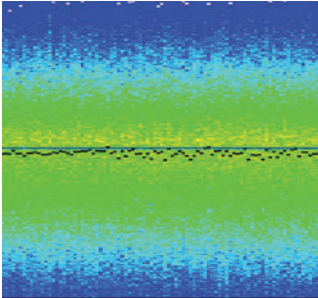
Ultrasonic Doppler Control Unit
M-1002571

Centrifugal Pump

M-1002575

Ultrasonic Coupling Gel

M-1008575



Model Eye for Ultrasonic Biometry

Model of the human eye, enlarged to a scale of 3 to 1, including the cornea, the lens and glass bodies for demonstrating the fundamentals of ultrasonic biometry. The biometric ratios in the human eye (distance between cornea and lens, thickness of lens, distance between lens and retina) are very well suited to demonstrating measurement using a pulse-echo method with ultrasound. With the help of an ultrasonic echoscope and a 2-MHz ultrasonic probe, typical echoes and the speed of sound can be measured. This allows the geometry of individual objects in the eye to be calculated. A lesion close to the back of the eye becomes apparent due to the diffuse nature of its echo. Dia. 80 mm.

M-1012869

Items Required

Ultrasonic Echoscope, USB

M-1002580

Ultrasonic Probe 2 MHz

M-1002582

Ultrasonic Coupling Gel

M-1008575

Recommended for comparison:

M-1000259 Piece, 3:1 Scale Model of the Human Eye

Did you know that 3B stands for best quality, best value, and best service? Learn more about us at **3bscientific.com!**



Ultrasound Guided Sclerotherapy Simulator for Varicose Veins

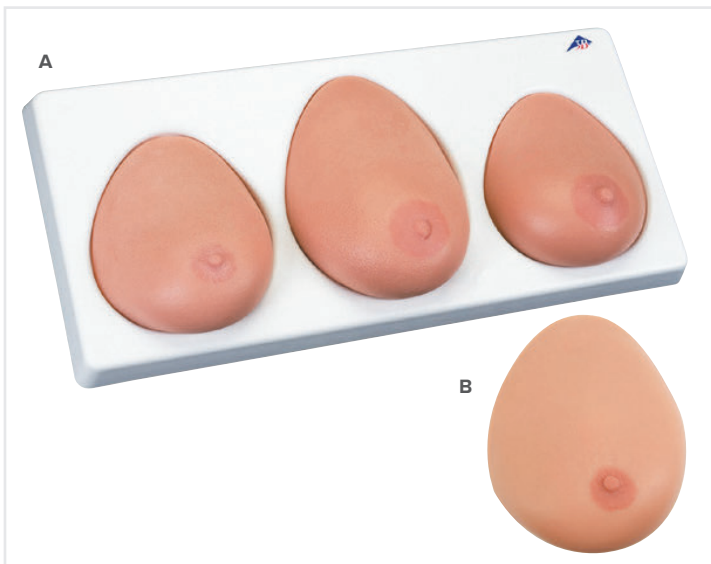
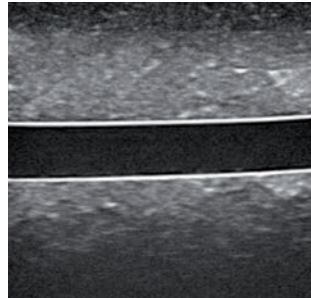
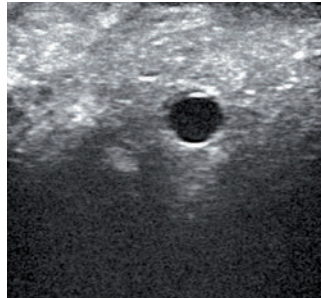
The Ultrasound Sclerotherapy Simulator enables students to acquire the preclinical skills for ultrasound guided microfoam sclerotherapy to treat varicose veins in a cost-efficient way. Angiologists, phlebologists and vascular surgeons can now easily practice using haptic response technology to develop their skills while using a simulator with realistic soft-tissue and life-like vena saphena. 15.7 x 7.5 x 4.3" (40 x 19 x 11 cm). 7.72 lbs. (3.5 kg)

Training with this simulator enables students to:

- Correctly react to the haptic response properties of human soft tissue while performing palpations and giving injections
- Become familiar with the echogenicity during ultrasound examinations due to the simulators realistic tissue texture
- Improve hand-eye coordination
- Gain confidence and experience required to successfully perform ultrasound-guided sclerotherapy on patients

M-1012792

Tested during the 16th International Congress of the International Union of Phlebology!



Breast Self Examination Model

Very realistic natural casting of three different female breasts in C and D cups, to train and practice breast examination. Supplied with base and talcum powder. 52 x 24.5 x 9.5 cm; 2.3 kg

- Made of new 3B SKIN/like™ high-quality silicone
- Benign and malignant tumors in different stages of development are featured in two breasts
- A healthy breast is supplied for comparison

A. Set M-1000344
B. Single Breast M-1000345



Life/form® Imaging Fracture Simulator

Students will be able to practice positioning skills, technical skills, and critical thinking skills as they produce radiographic images that will make learning anatomy, pathology, and image production an exciting educational experience. Exposure techniques for the simulator are in line with techniques typical to an adult humerus. Students will be able to visualize, create, and reduce bone displacement. Imaging concepts will become easy to understand as students can see how changing the position and/or projection of the X-ray beam alters the perspective of the anatomy visualized. Includes two interchangeable fracture types. Three-year warranty.

M-1017988



Connect with us!





LT Lap Tab trainer™

Technology meets simplicity with the Lap Tab trainer™ that works with your iPad, iPhone, tablet, or smartphone. No electricity required making it easy to practice or demonstrate lap skills anywhere! Developed in collaboration with Mr. Ali N. Bahsoun from Guy's and St. Thomas' Hospital, London, UK. The Lap Tab trainer™ is ideal for residents to take home and practice. Being our most portable trainer yet, the Lap Tab trainer™, folds up and is small enough to fit into a backpack and is simple to set up.

Trainer	M-1018107
Trainer with Side Ports	M-1018108
Trainer Package	M-1018111
Trainer with Side Ports Package	M-1018113
Trainer Messenger Bag	M-1018114



T3 Series

The T3 Series is a complete minimally invasive training system that does not require video equipment. It's simple to set up and portable. The T3 Classic includes the original classic pelvic box + SimScope™ (camera) + 10" monitor. The pelvic box has 7 laparoscopic ports with interchangeable grommets (5 and 10mm) and interior lighting. The SimScope™ is conveniently mounted inside the trainer at an angle set to capture the activity in the work area and has a fixed view. A handle is located on the back of the box to provide easy portability. No assembly required. The T3 Series is designed to be used for a one-person laparoscopic suturing workstation.

T3 Classic	M-1018115
T3 Joystick	M-1018116
T3 Single-Site	M-1018117



T5 Series

A complete minimally invasive training system that does not require video equipment, simple to set up and portable. It includes the large pelvic box + SimScope™ (camera) + 10" monitor. It is versatile because it can be used for basic laparoscopic skills up to advanced procedural training, including camera navigation for an individual or a team. Residents may practice on the T5 Large to acquire the skills incorporated into the FLS® modules. The large pelvic box has 14 laparoscopic ports with interchangeable grommets (5mm and 10 mm) and interior lighting.

T5 Large	M-1018118
T5 Large RM	M-1018119



T9 Series

Designed for Abdominal Intraoperative and Laparoscopic Ultrasound training. The extra large pelvic box has a slide-out drawer that houses the Abdominal Intraoperative and Laparoscopic Ultrasound Phantom "IOUSFAN" made by Kyoto Kagaku. The pelvic box has 7 laparoscopic ports that provide training and demonstration flexibility. The ports are fitted with grommets designed to hold the ultrasound wand (not included). The slide-out drawer provides easy access for inserting the Organs. A handle is located on the back of the trainer to provide easy portability.

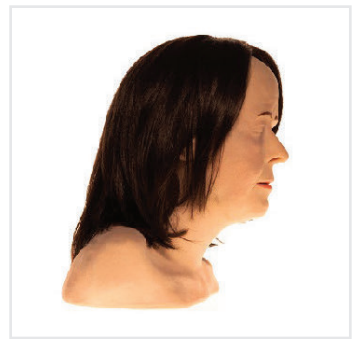
M-1018120



T12 Series

A complete minimally invasive training system that does not require video equipment, simple to set up and portable. The T12 includes the new "belly shape" pelvic box + the new Advanced 0° SimScope™ (camera) + 19" monitor. It is versatile because it can be used for basic laparoscopic skills up to advanced procedural training, including camera navigation for an individual or a team. It has a 9.5 mm diameter shaft (220mm or 310mm) which fits like a real scope into trocars and ports, the focus is easily adjusted at the camera tip by rotating in or out. Available only in 120v Power.

T12	M-1018121
T12 Soft	M-1018122



Head Models

The Cosmo and II Duomo models are ideal for practicing advanced flaps and grafts in addition to basic suturing procedures. Additional procedures that can be performed with II Duomo with Tumors and Advanced II Duomo are: Tumor excision and scar revision, wedge resection of ear, pentagonal wedge eyelid and Estlander lip switch flap.

A. Cosmo	M-1018126
B. II Duomo	M-1018127
II Duomo with Tumors	M-1018128
Advanced II Duomo	M-1018129

Cosmetic Filler Models

The skin on the Zsa Zsa model is specially made to allow injections to be performed. Basic to advanced suturing procedures can also be performed on this model. The Diaphanous Zsa Zsa has specially crafted translucent skin which allows for the checking of filler placement.

C. ZSA	M-1018130
D. Diaphanous ZSA Model	M-1018131



Sclerotherapy Pad

The Sclero pad is used to practice injections. The vessels on this pad are heat sensitive and should be injected with hot water. When injected properly, the vessels disappear and reappear in about 30 seconds. The recommended temperature of the water is 87° Fahrenheit (hot tap water will work fine). We also recommend using a 30G 1/2" needle for the injections. To maximize the use of the pad, begin injecting towards the bottom of the pad and work your way up the vessels. The pad contains 6 vessels of different diameters (0.2 mm, 0.5 mm, 2 mm, 3 mm).

M-1018133



Suture Pads

Realistic skin for basic suture training. The flat skin pad consists of an epidermis, dermis and subcutaneous layer and behaves as real skin when cut and sutured. The Garcia Pad simulates the thickness of facial skin. The Dali Pad is half-face and half-abdomen and finally the skin on the face portion is 2-3 mm thick and the skin on the abdomen portion is 3-4 mm thick.

Flat Pad	M-1018123
Garcia Pad	M-1018124
Dali Pad	M-1018125

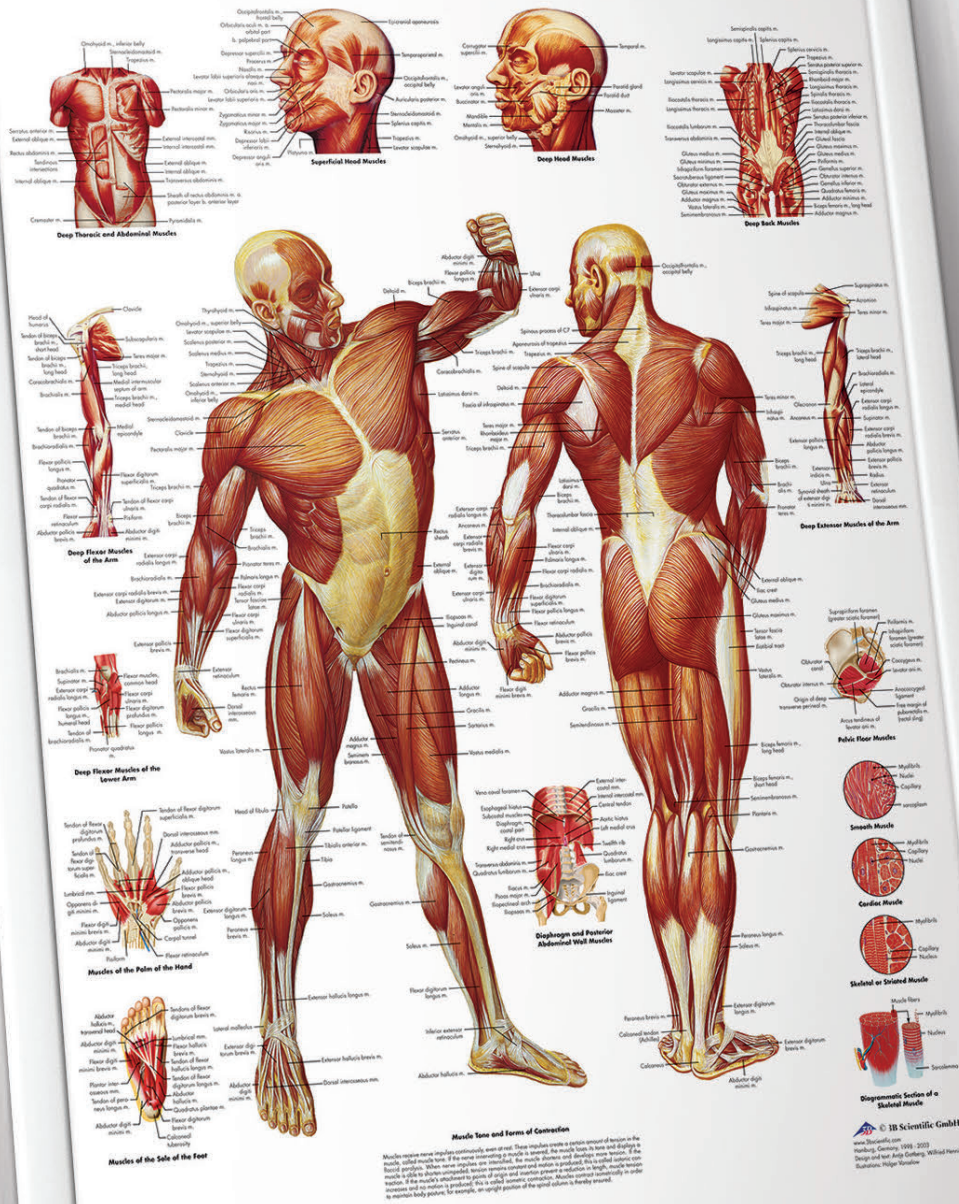


Breast Torso Model

The Breast-Torso Model is currently used to plan breast surgeries. Both basic and advanced suturing procedures can be performed on this model.

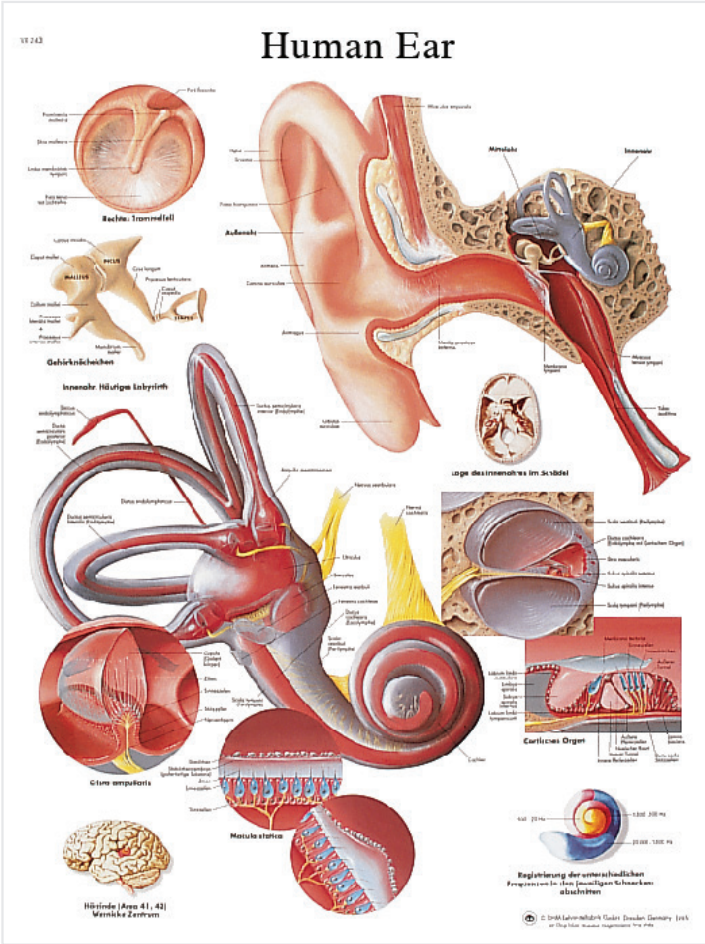
M-1018132

The Human Musculature

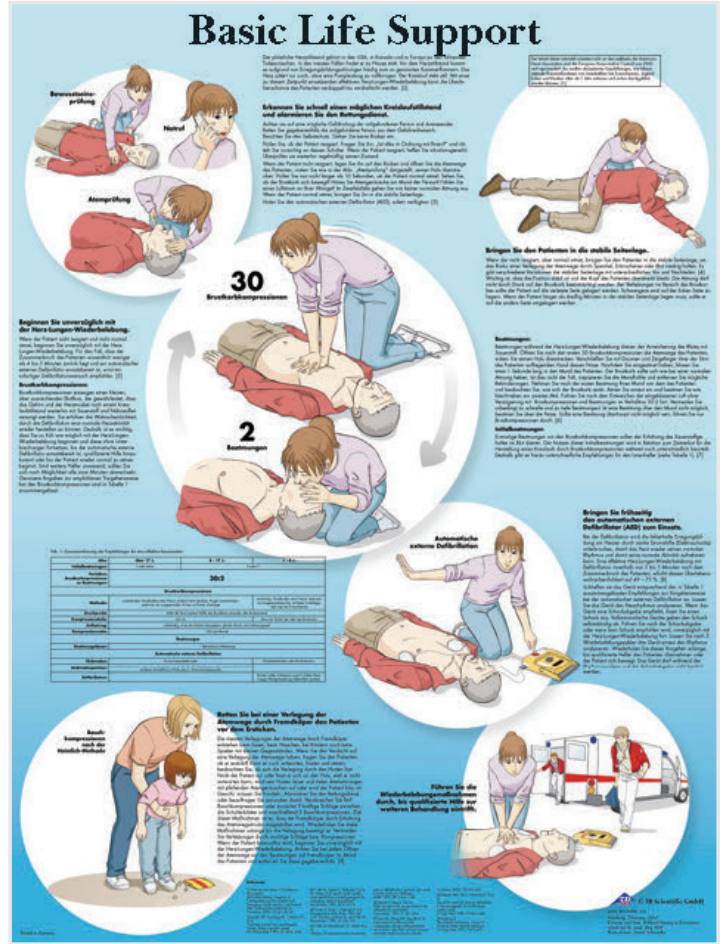


The Human Musculature Chart
M-1001470

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Frame not included.



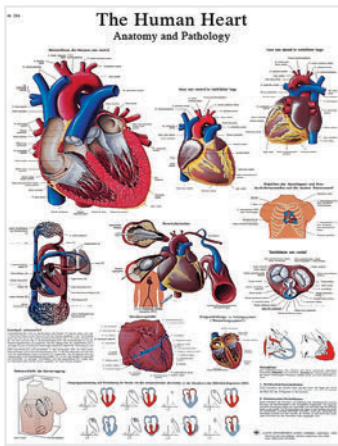
Human Ear Chart
M-1001500



Basic Life Support Chart
M-1001616

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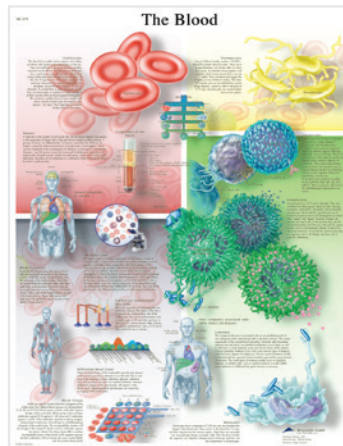
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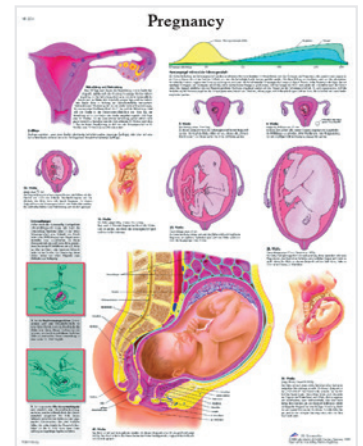
The Human Heart Chart
M-1001524



Blood Vessels & Nerve Chart
M-1001530



The Blood Chart
M-1001538



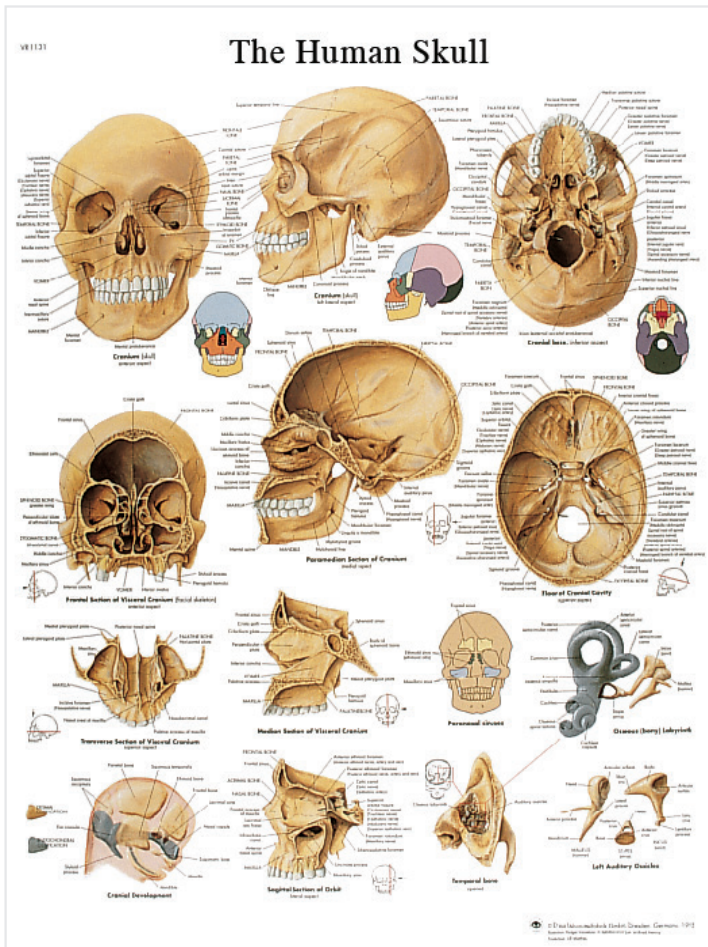
Pregnancy Chart
M-1001572



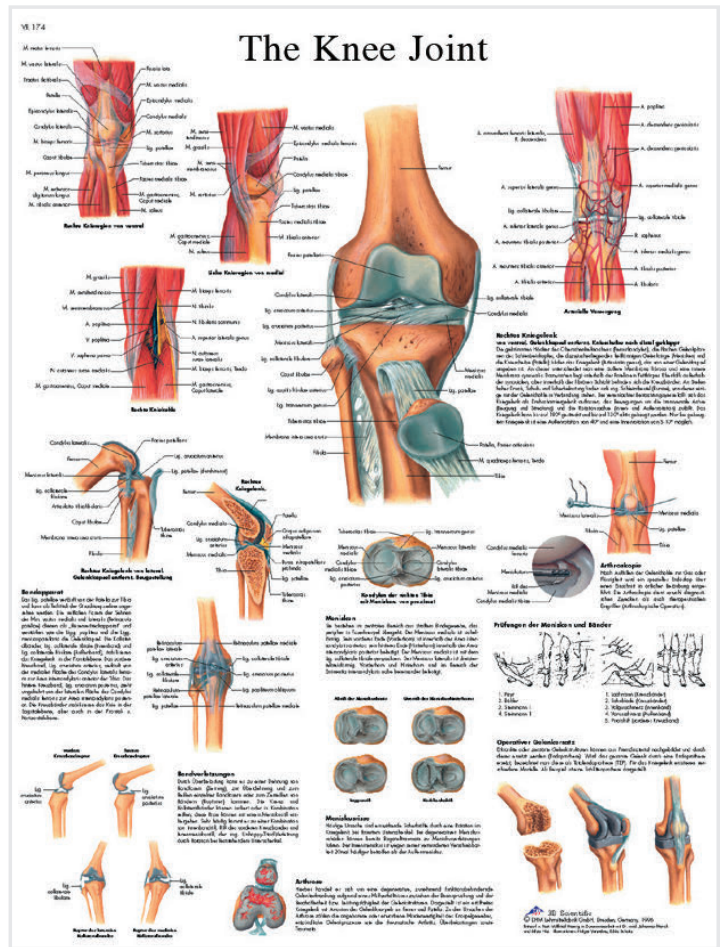
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Medical Education | Charts





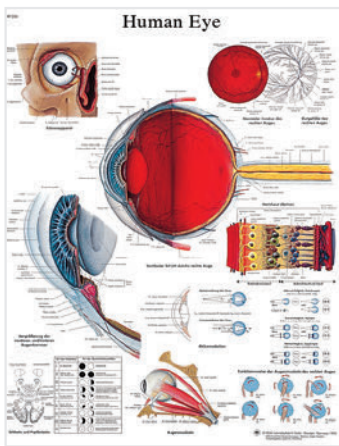
The Human Skull Chart
M-1001478



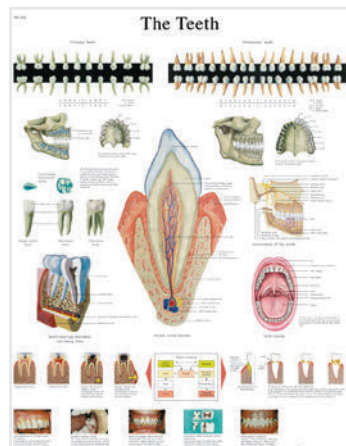
The Knee Joint Chart
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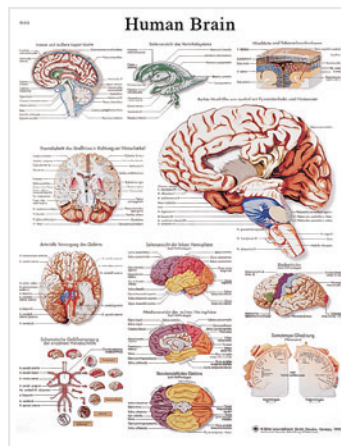
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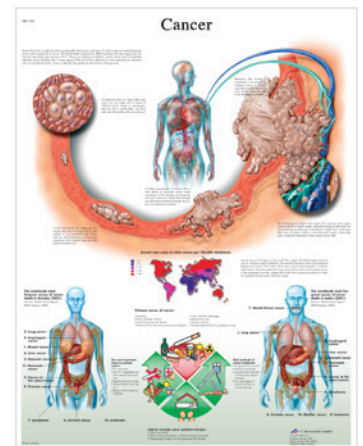
The Human Eye Chart
M-1001496



The Teeth Chart
M-1001510



Human Brain Chart
M-1001584



Cancer Chart
M-1001612

3B Scientific® Commissions
The finest anatomy illustrations available!

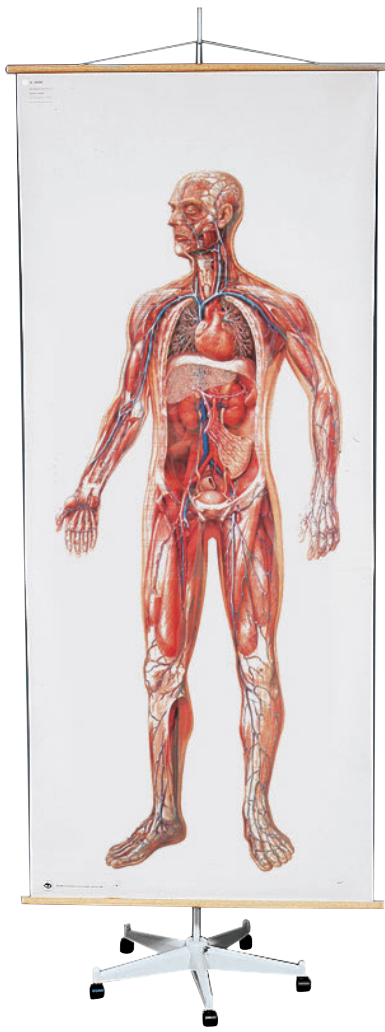
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We recommend this helpful stand for displaying the anatomical wall charts.

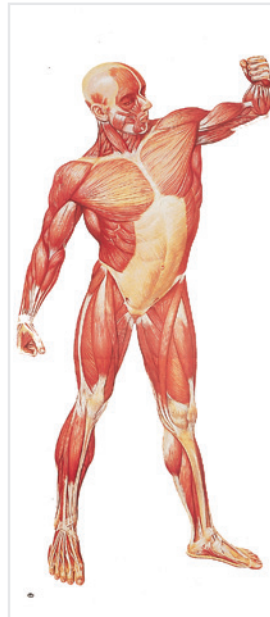
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Perfect fit for classroom & exam room doors!

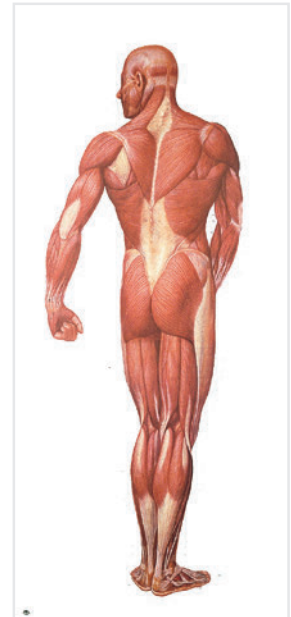


6.5 Feet Tall!
(200cm)

The Vascular System
M-1001151



Human Musculature Front Side
M-1001149



Human Musculature Back Side
M-1001153



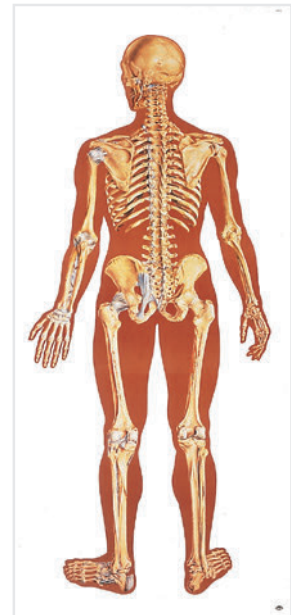
The Nervous System Front Side
M-1001190



The Nervous System Back Side
M-1001192



Human Skeleton with Ligaments Front Side
M-1001146



Human Skeleton with Ligaments Back Side
M-1000012



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