



HUMAN ANATOMY MODELS

3B SMART ANATOMY

Find all products online at [3bscientific.com](https://www.3bscientific.com)



ABOUT 3B SCIENTIFIC

The 3B Scientific Group of Companies is a global leader in manufacturing and selling anatomy models, medical simulators, and educational training solutions. With headquarters in Hamburg, Germany and offices worldwide, we are dedicated to providing innovative tools that elevate medical education and enhance training experiences globally.

Driven by the mission to advance medical and healthcare education, 3B Scientific continually pushes the boundaries of medical simulation and educational excellence. As Todd A. Murray, CEO of 3B Scientific, states: "Innovation lies at the core of our actions, enabling us to expand the possibilities of medical simulation, enrich educational experiences, and support educators worldwide. We are committed to delivering exceptional customer service and high-quality products at accessible prices."

3B Scientific is on a continuous journey of growth, focusing on medical simulation and anatomy education. We consistently introduce innovative products and welcome new brands to our family. For more details about our lowercase group, visit our website at 3bscientific.com.

In the following pages, you'll find a curated overview of our anatomy models and the innovative 3B Smart Anatomy app.

We are here to support you. Please contact us with your questions or inquiries!

Your 3B Scientific Team



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> 3B SMART ANATOMY CLOSES THE GAP BETWEEN DIGITAL AND ANALOG ANATOMY EDUCATION

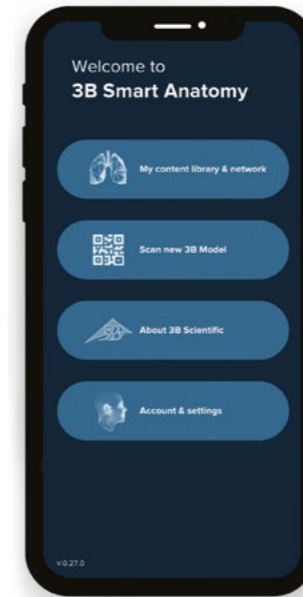
ANATOMY GOES MOBILE WITH 3B SMART ANATOMY

Every original 3B Scientific® Anatomy Model opens direct access to its virtual twin on your smartphone, tablet or desktop – anytime and anywhere.

Start 3B SMART ANATOMY to:

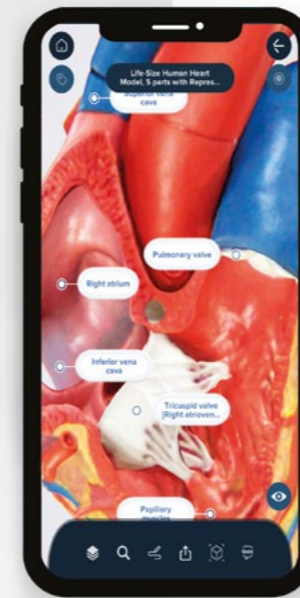
- Test your skills in anatomy quizzes
- Use the commenting function to add notes to your digital model
- Access your files both online and offline

> SCAN TO LEARN MORE ABOUT 3B SMART ANATOMY AND OUR MODELS.



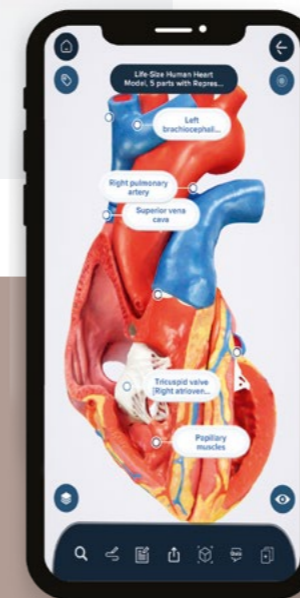
Simple main menu allows easy navigation:

- Access to your personal image library and network
- Scan function which allows you to scan your 3B Scientific® Model and unlock its virtual content
- About your Account and personal settings



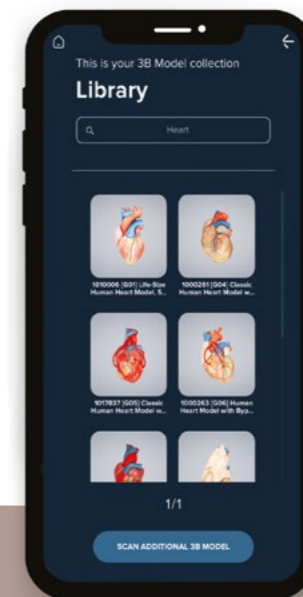
Once you have opened the 3D virtual content, you have access to a variety of useful tools:

- Image rotation / zoom in / zoom out
- Call up of anatomical structures (in multiple languages)
- Drawing and Note function allows you to customize your personal view with additional useful information
- Augmented Reality function
- Quiz function to test and improve your anatomical knowledge



Test your personal anatomical knowledge with the Quiz function:

- Receive instant results
- Final score evaluation

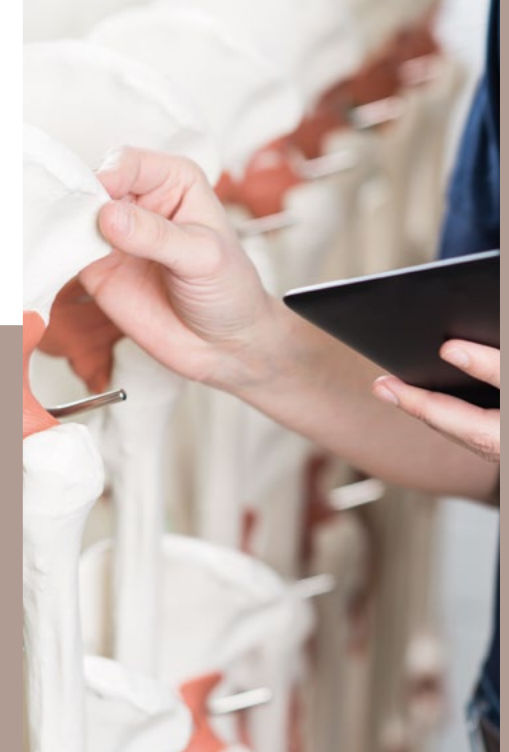


You can view and manage your 3B Scientific® Models and their virtual content at any time in your personal library.



The quality standards upheld in every 3B Scientific® product are guaranteed by permanent and uncompromising controls.

AT 3B SCIENTIFIC, WE OFFER A TOP-NOTCH SERVICE AND PRODUCTS THAT YOU CAN ALWAYS RELY ON. OUR ANATOMY MODELS, MEDICAL SIMULATORS, AND SKILL TRAINERS ARE METICULOUSLY CRAFTED USING THE LATEST ADVANCEMENTS IN MEDICAL RESEARCH AND EDUCATIONAL METHODOLOGIES.



HUMAN ANATOMY

The 3B Scientific Group of Companies has been setting quality standards in manufacturing innovative solutions for medical education since 1948. Today, 3B Scientific is a global brand with a worldwide presence, including Brazil, China, France, Germany, Hungary, Italy, Japan, South Korea, Spain, Thailand, Turkey, the United Kingdom, and the USA.

3B Scientific has been certified in accordance with ISO 9001 since 2000. Since 2004, 3B Scientific is an original member of the Worlddidac Quality Charter.

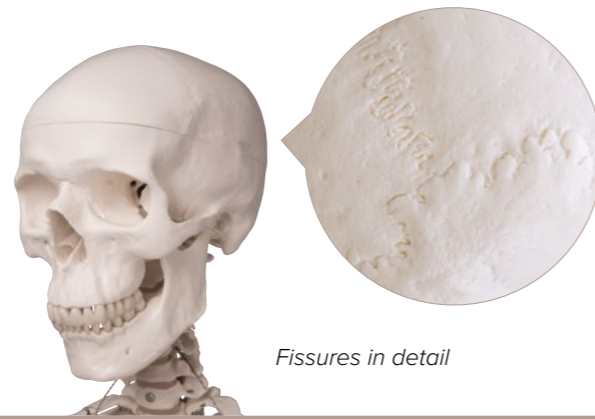
Choose 3B Scientific and benefit from:

- **Life-Size Skeleton and Soft Tissue Models:** Many are cast from real specimens for accuracy.
- **Durable Materials:** Built to withstand everyday use.
- **German Engineering:** Designed and developed in Germany specifically for the educational requirements of medical professionals.
- **High-Quality Standard:** Upheld in every 3B Scientific® product due to our certified quality management process.
- **Enhanced Learning:** All original 3B Scientific® anatomy models come with the 3B SMART ANATOMY app.

Our models feature precise anatomical details, hand-painted to highlight intricate structures such as muscles and nerve fibers. These are easily identifiable with our comprehensive digital manuals, learning cards, and the 3B SMART ANATOMY app, enhancing teaching and interactive study. Crafted from non-toxic materials for safe, hands-on learning, our models are cast from real specimens to ensure realistic features and textures. Rigorous production processes maintain our high standards for every bone, skeleton, model, and simulator, all backed by the 3B Scientific warranty. Explore the following pages and experience our models enhanced with virtual reality through 3B SMART ANATOMY.



Each model is hand-finished by highly trained and skilled technicians to ensure a consistently high quality.



Fissures in detail

› High-quality human skeleton models, cast from a real specimen

STAN THE CLASSIC HUMAN SKELETON MODEL

The Classic Skeleton Model Stan has been the standard of quality in hospitals, schools, universities, and laboratories for over 50 years. Stan is the most affordable full-size skeleton of this quality available anywhere; ideal for active use in teaching and demonstrations. This human skeleton model is easy to handle, anatomically correct (cast from real specimen) and economically priced.

All 3B Scientific® human skeleton models offer highest quality in workmanship and materials!

- Life-size and realistic weight
- Top-quality cast from real specimens
- Extremely accurate in every detail with final assembly carried out by hand
- Made from a durable, unbreakable synthetic material
- 3-part assembled skull with magnetic connections
- Limbs can be removed quickly and easily
- Movable joints for demonstration purposes
- On a stable metal stand with 5 wheels for secure relocation
- Transparent dust cover included
- Developed in Germany
- Includes 3B SMART ANATOMY

3B SMART ANATOMY Stan on Pelvic Mounted Roller Stand 176.5 cm; 9.57 kg	1020171
------------------------------------------------------------------------------	---------

3B SMART ANATOMY Stan on Hanging Stand (Hanging Stand shown on page 13) 192.5 cm; 8.77 kg	1020172
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Recommended: Heavy Duty Protective Cover, Black Protect your investment with our heavy-duty protective cover. Suitable for all 3B Scientific® full-size skeletons.	1020761
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MAX THE CLASSIC SKELETON WITH MUSCLE INSERTIONS AND ORIGINS

This skeleton contains all the standard benefits of a 3B Scientific® Skeleton plus painted muscles to demonstrate 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.

DEMONSTRATE THE STRUCTURAL INTERACTION BETWEEN MUSCLES AND BONES WITH MAX

All features exclusive to Max at a glance:

- Shows the structural interaction between bones and muscles
- Depicts over 600 structures of medical significance
- Painted muscle origins in red and insertions in blue
- Includes 3B SMART ANATOMY

3B SMART ANATOMY Max on Pelvic Mounted Roller Stand 176.5 cm; 9.57 kg	1020173
-----------------------------------------------------------------------------	---------

3B SMART ANATOMY Max on Hanging Stand (Hanging Stand shown on page 13) 192.5 cm; 8.77 kg	1020174
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Painted muscle insertions and origins



› ALL 3B SCIENTIFIC® SKELETON MODELS COME WITH THE FREE 3B SMART ANATOMY APP. SEE PAGE 4 FOR DETAILS.



Elasticated knee ligaments

> Leo is all about ligaments!

LEO THE CLASSIC SKELETON WITH ELASTICATED LIGAMENTS

This skeleton contains all the standard benefits of a 3B Scientific® Skeleton plus ligaments to represent the structural interaction between bones and ligaments. The elasticated ligaments on the major appendicular joints (shoulder, elbow, hip, and knee) are mounted on the right side.

All features exclusive to Leo at a glance:

- Structural representation of interaction between bones and ligaments
- All ligaments are elasticated to show movement
- Includes 3B SMART ANATOMY

3B SMART ANATOMY	
Leo on Pelvic Mounted Roller Stand	1020175
176.5 cm; 10 kg	

SAM THE CLASSIC SKELETON WITH ELASTICATED LIGAMENTS, LABELS, MUSCLE INSERTIONS AND ORIGINS

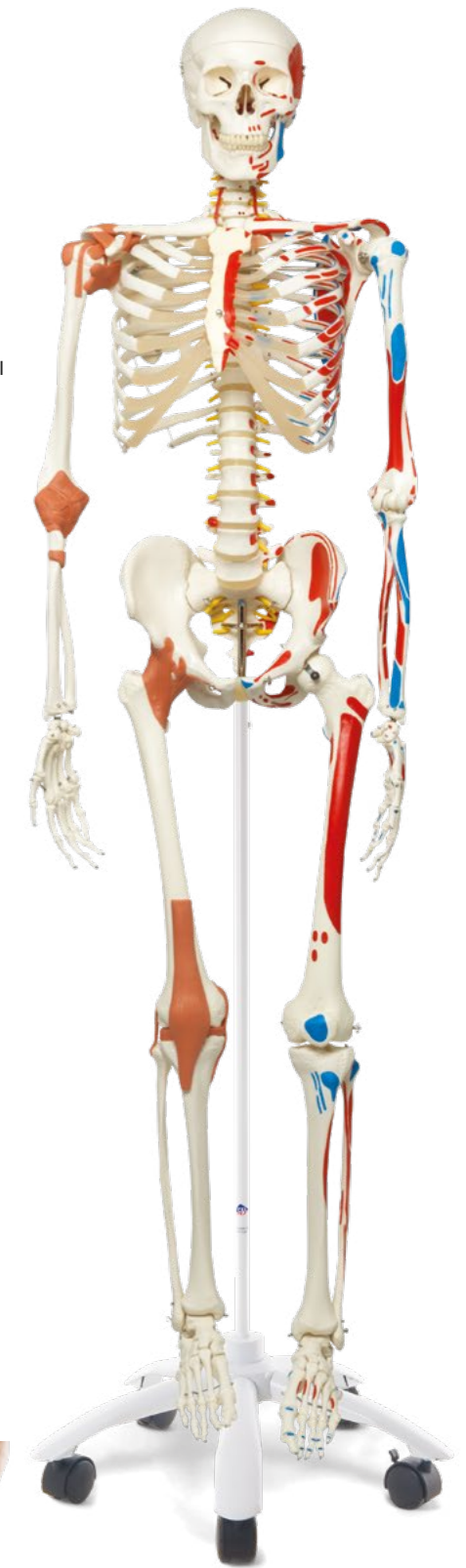
This skeleton contains all the standard benefits of a 3B Scientific® Skeleton plus a bendable vertebral column, ligaments and painted muscles. Sam's fully flexible vertebral column allows you to demonstrate all natural postures, including the movements of the skull and head joints. The unique combination of a flexible vertebral column, muscle origins and insertions, 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.

SAM IS YOUR ALL-PURPOSE TEACHING TOOL FOR ALL LEVELS OF STUDENT OR PATIENT EDUCATION

Sam the Super Skeleton does it all:

- Hand-painted muscle origins and insertions
- Flexible spine and ligaments for natural postures (can be removed from stand)
- Slipped disc between the 3rd and 4th lumbar vertebrae
- Protruding spinal nerves and vertebral arteries
- Full flexibility of limbs on left side, right side has full flexibility of knee and hip with limited flexibility of elbow and shoulder
- Includes 3B SMART ANATOMY

3B SMART ANATOMY	
Sam on Pelvic Mounted Roller Stand	1020176
176.5 cm; 10 kg	
3B SMART ANATOMY	
Sam on Hanging Stand (Hanging Stand shown on page 13)	1020177
192.5 cm; 10 kg	



Emerging spinal nerves



> TEST 3B SMART ANATOMY – DETAILS ON PAGE 4.



> Phil moves!

PHIL THE PHYSIOLOGICAL SKELETON WITH REALISTIC JOINT MECHANISMS

Phil is unique in his near life-like realization of the joint mechanisms. He 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 and 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 when the arms are raised. Even the restricted mobility of the iliosacral joint and the sacrococcygeal joint can be demonstrated.

DEMONSTRATE NATURAL MOVEMENT AND REALISTIC JOINT MECHANISMS WITH PHIL

This skeleton has all the features of the Standard Classic Skeleton Model Stan, plus:

- The flexible spine allows for natural movement
- Near life-like realization of the joint mechanisms
- Includes 3B SMART ANATOMY

3B SMART ANATOMY
Phil on Hanging Stand
192.5 cm; 9.6 kg

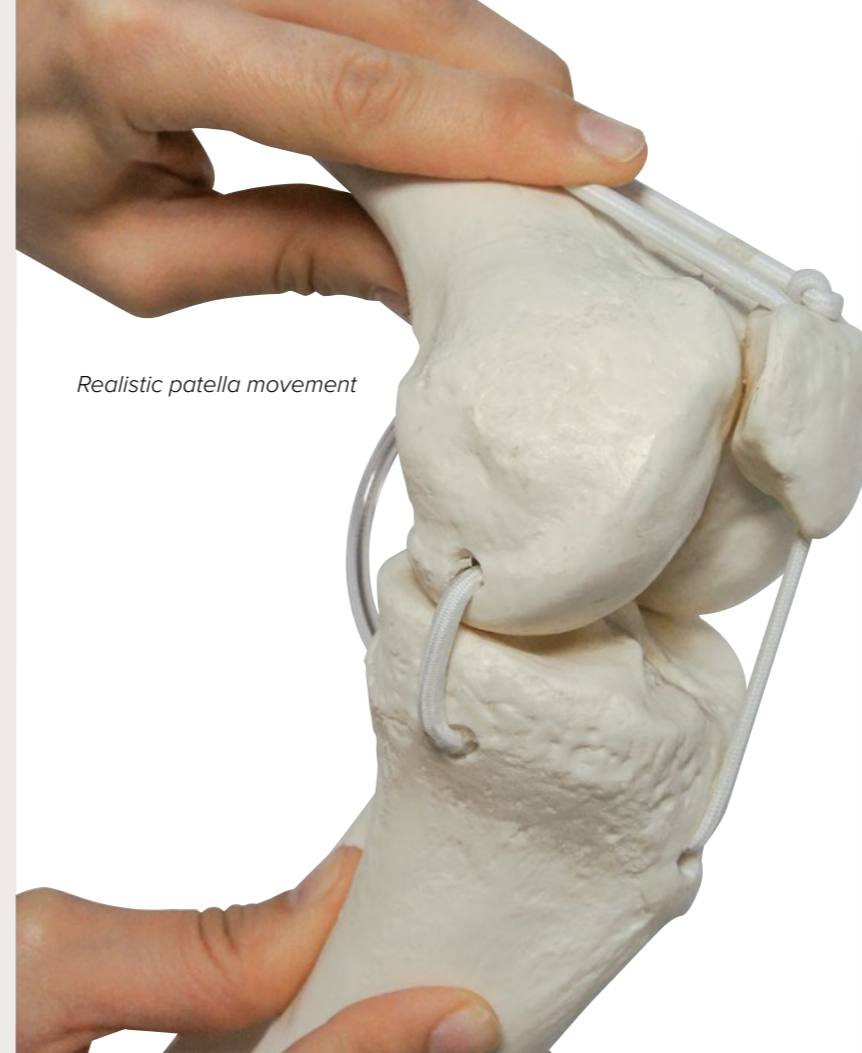
1020179

FRED THE FLEXIBLE SKELETON WITH EXTREMELY BENDABLE SPINE

Fred's spine can be bent to mimic any natural human movement. Once flexed, the spine 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.

3B SMART ANATOMY
Fred on Pelvic Mounted Roller Stand
176.5 cm; 9,6 kg

1020178



Realistic patella movement

> Frank's moves are truly unique!

FRANK THE FUNCTIONAL SKELETON FOR LIFE-LIKE MOVEMENT

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 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.

DEMONSTRATE LIFE-LIKE MOVEMENT UNSEEN IN ANY OTHER SKELETON MODEL WITH FRANK

This skeleton contains all the features of the Standard Classic Skeleton Stan, plus:

- The flexible assembly of all joints lets you perform life-like movement
- Complex motions of upper extremities can be demonstrated
- Includes 3B SMART ANATOMY

3B SMART ANATOMY
Frank on Hanging Stand
192.5 cm; 9.6 kg

1020180





THIS HIGH-QUALITY SKELETON REPLICA IS GREAT FOR ANY IN-DEPTH STUDY OF THE HUMAN SKELETON AND SCIENTIFIC ANATOMY STUDIES.



3B SMART ANATOMY
DISARTICULATED FULL SKELETON, WITH MUSCLE ORIGINS AND INSERTIONS

This disarticulated 3B Scientific® Skeleton is hand painted to show muscle origins in red and muscle insertions in blue on the left side. The skull is detachable into 3-parts for detailed anatomical study. Consists of 179 pieces.

- Both hands and feet are wire mounted
- Vertebral column strung on thin, nylon wire
- Supplied in a sturdy partitioned cardboard storage box

48.5 x 27 x 42.5 cm; 6 kg **1020158**

3B SMART ANATOMY
DISARTICULATED FULL SKELETON, WIRE MOUNTED HAND/FOOT

One hand and foot on wire, the others are loosely articulated. Supplied in a sturdy partitioned storage box.

48.5 x 27 x 42.5 cm; 4.8 kg **1020157**



3B SMART ANATOMY
DISARTICULATED HALF SKELETON, WITH LOOSE HAND/FOOT

Complete with 3-part skull, sternum, hyoid and spinal column.

48.5 x 27 x 42.5 cm; 4 kg **1020156**



3B SMART ANATOMY
DISARTICULATED HALF SKELETON, WITH WIRE MOUNTED HAND/FOOT

Complete with 3-part skull, sternum, hyoid and spinal column.

49 x 43 x 26.5 cm; 4 kg **1020155**

SHORTY THE MINI SKELETON

- Top-of-the-line miniature human skeleton models
- 3-part removable skull (skull cap, base of skull and mandible)
- Removable arms and legs
- Specially mounted hip joints to demonstrate natural rotation of the hips
- Made from durable, unbreakable plastic and hand assembled
- Can be taken off the base when required
- Includes 3B SMART ANATOMY

3B SMART ANATOMY
A. Shorty the Mini Skeleton, Pelvic Mounted **1000039**
88 cm, 1.5 kg

3B SMART ANATOMY
Shorty the Mini Skeleton, Hanging Stand (not shown) **1000040**
On hanging stand that can be placed on the floor or hung on the wall. 94 cm; 1.5 kg

3B SMART ANATOMY
B. Shorty with Painted Muscles, Pelvic Mounted **1000044**
Muscle origins (red) and insertions (blue) on the left half. 88 cm; 1.7 kg

3B SMART ANATOMY
Shorty with Painted Muscles, Hanging Stand (not shown) **1000045**
On hanging stand that can be placed on the floor or hung on the wall. 94 cm; 1.7 kg

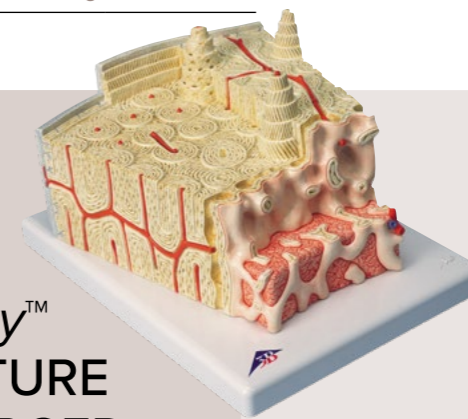


Mini Skeletons: Incredible detail and fully articulating joints!

3B SMART ANATOMY
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 **1000154**



3B SMART ANATOMY
CANCELLOUS BONE

The model shows the spongy bone inside the bone. Its filigree architecture is determined by influences such as pressure, bending and torsion. Using innovative micro CT technology, we have managed to reconstruct an exact 3-dimensional copy of a piece of cancellous bone from an original and enlarge it 100 times.

17 x 17 x 23 cm; 0.29 kg **1009698**



BENEFITS OF FLEXIBLY MOUNTED BONE MODELS:

After being pulled apart for close up study, the flexible bungee mounting enables the individual bones to return to and hold their natural positioning.



BENEFITS OF NYLON MOUNTED BONE MODELS:

The individual bones hold together in their anatomically correct location, but are loosely enough mounted for individual studies.



3B SMART ANATOMY LOOSE HAND SKELETON WITH ULNA AND RADIUS*

Loosely mounted on bungee string, ulna and radius are wire mounted.

1019369

3B SMART ANATOMY LOOSE HAND SKELETON (NYLON MOUNTED)*

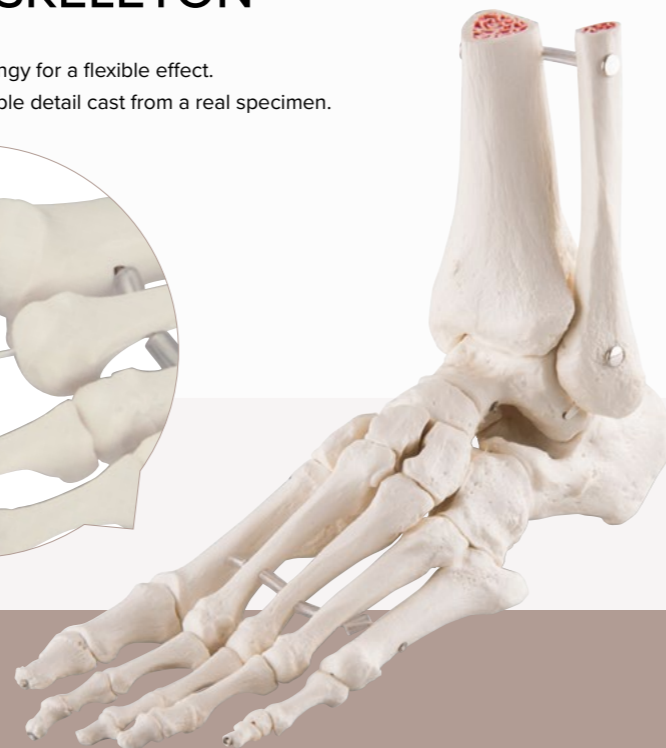
1019368



3B SMART ANATOMY LOOSE FOOT AND ANKLE SKELETON

This loose foot and ankle skeleton comes mounted with an elastic bungy for a flexible effect. The foot skeleton includes portions of the tibia and fibula with incredible detail cast from a real specimen.

1019358



3B SMART ANATOMY LOOSE FOOT SKELETON (NYLON MOUNTED)*

1019356



**It is not possible to specify left or right version, you will randomly receive a left or right sided model. However, this may be possible for large quantities. Please call us for further details.*

BENEFITS OF WIRE MOUNTED BONE MODELS:

Once flexed, the joints stay in the position you choose for demonstration purposes. The individual bones will always remain in a natural anatomical position.



**3B SMART ANATOMY
HAND SKELETON
WITH ULNA AND RADIUS***

1019370



**3B SMART ANATOMY
HAND SKELETON
(WIRE MOUNTED)***

1019367



**3B SMART ANATOMY
LEG SKELETON***

1019359



**3B SMART ANATOMY
ARM SKELETON***

1019371



**3B SMART ANATOMY
LEG SKELETON WITH
HIP BONE***

1019366



**3B SMART ANATOMY
FOOT SKELETON
(WIRE MOUNTED)***

1019355



**3B SMART ANATOMY
ARM SKELETON WITH
SCAPULA AND CLAVICLE***

1019377



**3B SMART ANATOMY
FOOT SKELETON
WITH TIBIA AND FIBULA
(WIRE MOUNTED)***

1019357



**3B SMART ANATOMY
A. ULNA***

1019373



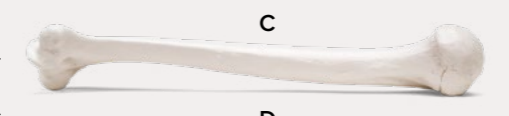
**3B SMART ANATOMY
B. RADIUS***

1019374



**3B SMART ANATOMY
C. HUMERUS***

1019372



**3B SMART ANATOMY
D. FIBULA***

1019364



**3B SMART ANATOMY
E. FEMUR***

1019360



**3B SMART ANATOMY
F. TIBIA***

1019363



**3B SMART ANATOMY
G. HIP BONE***

1019365



**3B SMART ANATOMY
H. PATELLA***

1019362



**3B SMART ANATOMY
I. ATLAS UND AXIS,
WIRE MOUNTED**

1000140



**3B SMART ANATOMY
J. ATLAS AND AXIS,
WITH OCCIPITAL PLATE**

1000142

Elastically mounted together on removable stand.



**3B SMART ANATOMY
K. HYOID BONE**

1000143

Mounted on stand.



**3B SMART ANATOMY
L. STERNUM
WITH RIB CARTILAGE**

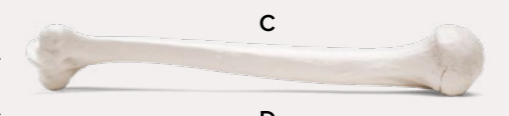
Replica human sternum with rib cartilage.

1000136



**3B SMART ANATOMY
M. CLAVICLE***

1019376



**3B SMART ANATOMY
N. SCAPULA***

1019375



**3B SMART ANATOMY
O. RIBS***

12 individual ribs of one side, unmounted.

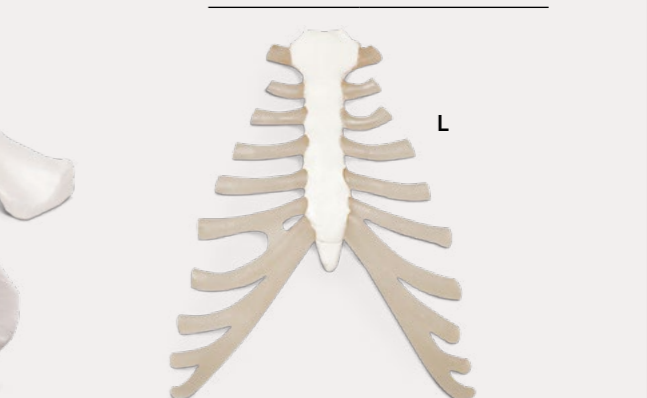
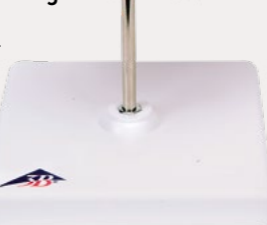
1000137



**3B SMART ANATOMY
P. SACRUM AND COCCYX**

Assembled

1000139



*It is not possible to specify left or right version. You will randomly receive a left or right sided model. However, this may be possible for large quantities. Please call us for further details.



3 levels of amazing detail!

3B SMART ANATOMY
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.

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

28.5 x 13 x 6.5 cm; 1.2 kg 1000349

3B SMART ANATOMY
HAND SKELETON MODEL WITH LIGAMENTS AND MUSCLES, 4-PART

This high quality anatomically correct hand model with ligaments and muscles is great for detailed study of the hand and lower forearm.

All bones, muscles, tendons, ligaments, nerves, arteries, and veins are featured:

- Dorsal side: extensor muscles and portions of the tendons at the wrist passing under the extensor retinaculum
- Palmar face is represented in three layers, removable for detailed study of the deeper anatomical layer (median nerve, superficial palmar arch)
- Deepest anatomical layer shows the intrinsic muscles and deep palmar arterial arch

33 x 12 x 12 cm; 0.4 kg 1000358



3B SMART ANATOMY
HAND SKELETON MODEL WITH ELASTIC LIGAMENTS

This single-part model shows the anatomy of the ligaments in the hand in detail. The elastic ligaments allow for the demonstration of the flexibility of wrist and fingers. The carpals (ossa carpi), the metacarpals (ossa metacarpi) and finger bones (ossa digitorum manus) are shown as osseous structures. In the distal area of the forearm, the radius and the ulna are represented.

14 x 10 x 28 cm; 0.24 kg 1013683



3B SMART ANATOMY
HAND SKELETON MODEL WITH LIGAMENTS AND CARPAL TUNNEL, 3-PART

This 3-part hand skeleton model shows the anatomical detail of the ligaments and tendons found in the hand, wrist, and lower forearm. The interosseous membrane between the radius and ulna is shown along with the bones of the hand.

Removable parts:

- Palmar side of the hand: flexor retinaculum
- Structures of the carpal tunnel: flexor retinaculum, median nerve and tendons

30 x 14 x 10 cm; 0.3 kg 1000357



3B SMART ANATOMY
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 1000350



> 3 LAYERS REVEAL THE INTERNAL ANATOMY OF THE FOOT!

REMOVABLE LIGAMENTS AND MUSCLES

3B SMART ANATOMY

FOOT SKELETON MODEL WITH LIGAMENTS AND MUSCLES, 6-PART

This anatomically detailed model of the foot and lower leg can be disassembled into 6 parts for detailed study of the following structures: bones, muscles, tendons, ligaments, nerves, arteries, and veins. The frontal view of the foot model features the extensor muscles of the lower leg. The tendons can be followed on their passage under the transverse and crucial crural ligaments all the way to their insertion points. In addition all tendon sheaths of the foot area are visible. On the dorsal portion of the foot, the gastrocnemius muscle is removable to reveal deeper anatomical elements.

The sole of the foot is represented in three layers:

- The first removable layer displays the flexor digitorum brevis
- The second removable layer consists of the quadratus plantae, the tendon of the flexor digitorum longus, and the flexor hallucis muscle
- The third layer reveals even deeper anatomical details of the foot

23 x 26 x 19 cm; 1.1 kg 1019421

3B SMART ANATOMY

FOOT SKELETON MODEL WITH LIGAMENTS

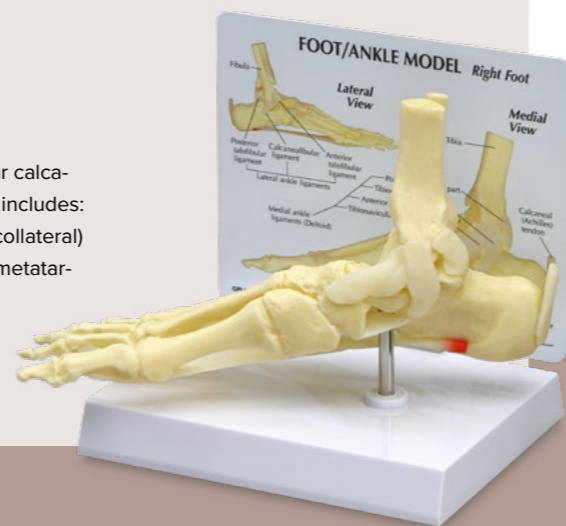
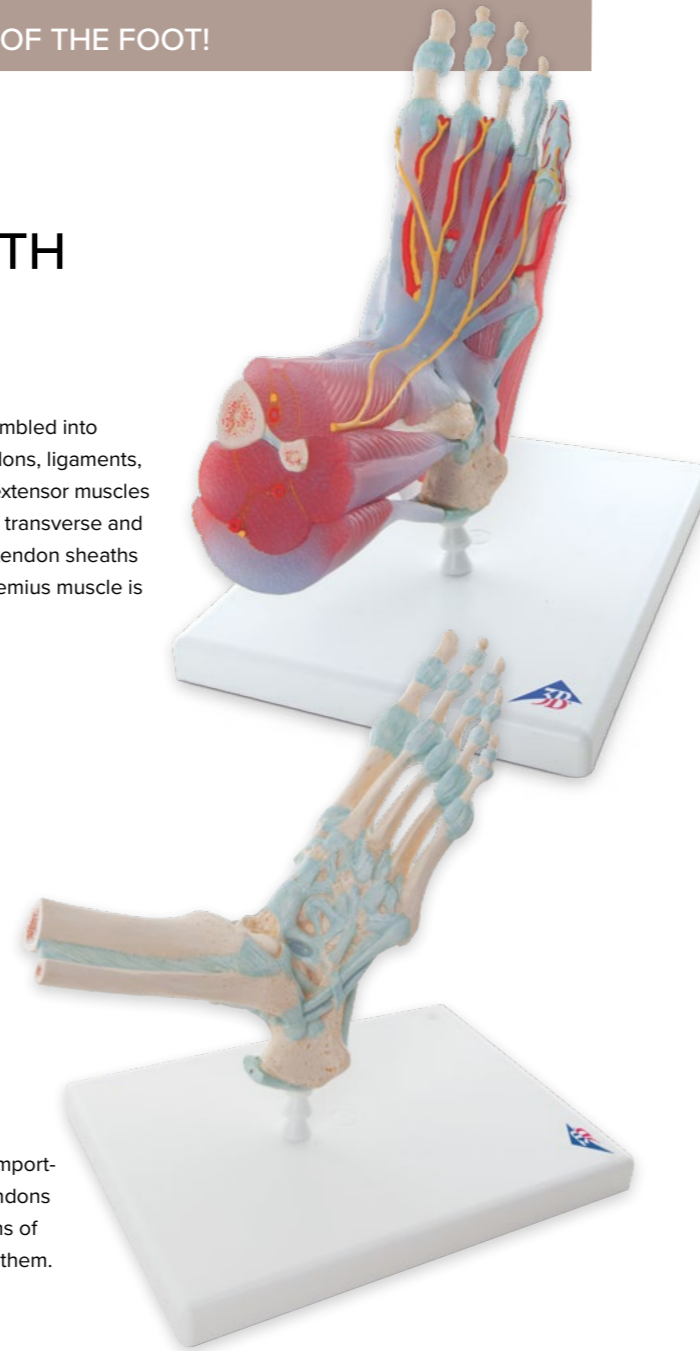
High-quality anatomical replica of the human foot and ankle, showing all important ligaments and tendons including the Achilles and peroneus longus tendons of the ankle. The foot skeleton consists of the foot bone and lower portions of the tibia and fibula, including the intraosseous membrane found between them.

23 x 18 x 30 cm; 0.6 kg 1000359

FOOT/ANKLE PLANTAR FASCIITIS MODEL

The model is a full size solid cast of ankle and foot bones features the plantar calcaneonavicular (spring) ligament with plantar fasciitis. Foot/ankle anatomy also includes: tibia, fibula, calcaneus, calcaneal (Achilles) tendon, deltoid ligament, lateral (collateral) ligament, plantar aponeurosis, cuneiform, phalanges, cuboid, navicular, and metatarsal bones.

22.9 x 7 x 10.2 cm 1019522



> TOOLS FOR PATIENT EDUCATION



SINGLE FOOT MODELS

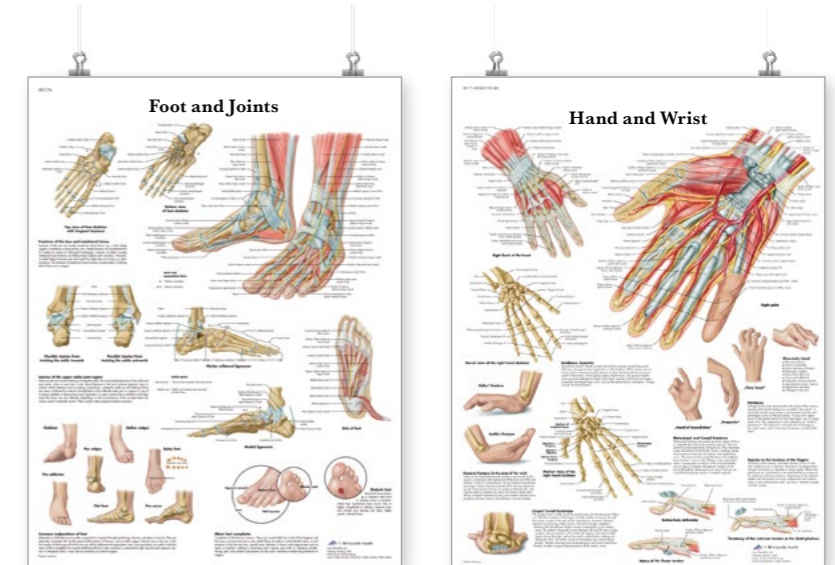
Superficial structures, as well as internal bones, muscles, ligaments and nerves of the human foot are shown in these high-quality models.

3B SMART ANATOMY A. Hollow Foot (Pes Cavus), 13 x 23 x 10 cm; 0.5 kg	1000356
3B SMART ANATOMY B. Normal Foot (Pes Normal), 13 x 24 x 9 cm; 0.4 kg	1000354
3B SMART ANATOMY C. Flat Foot (Pes Planus), 12 x 24 x 10 cm; 0.4 kg	1000355

> ADD A CHART AS A CONSTANT VISUAL EDUCATION TOOL!

FOOT AND JOINTS ANATOMY POSTER

Laminated. 50 x 67 cm 1001490



HAND AND WRIST ANATOMY POSTER

Laminated. 50 x 67 cm 1001484



➤ REMOVABLE MUSCLES FOR ADVANCED ANATOMICAL STUDIES:

- + Muscles can be taken off to study origins and insertions
- + All muscles can be studied individually
- + Muscle positioning can be trained
- + Highly realistic coloring of bone and muscles
- + Muscular origins and insertions are raised and color-coded
- + Removable parts for the study of the deeper anatomy
- + High-quality, non-hazardous material for long lasting models

3B SMART ANATOMY
KNEE JOINT

The 12-parts can quickly be removed for easy demonstrations both in medical training and patient education. The muscles and muscle portions can be taken off for detailed study of the deeper anatomical layers. Color-coded and raised areas indicate the muscle origin and insertion points on the femur, tibia, and fibula. Additionally, the model shows parts of the fibular and tibial collateral ligaments.

33 x 17 x 17 cm; 0.9 kg 1000178



11 removable parts

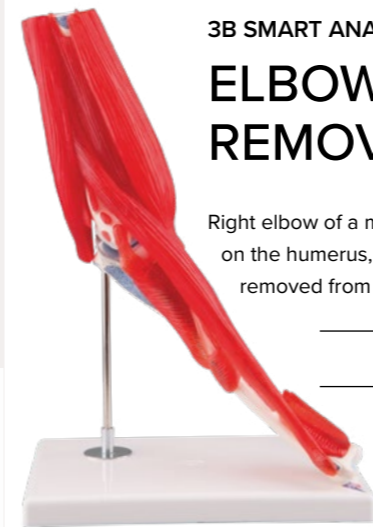
Realistic details!



3B SMART ANATOMY
ELBOW JOINT WITH REMOVABLE MUSCLES, 8-PART

Right elbow of a male with individual muscles plus muscular origins and insertions on the humerus, radius, and ulna. The muscles can easily be attached to and removed from the corresponding areas of origin and insertion.

25 x 41 x 25 cm; 1.74 kg 1000179



3B SMART ANATOMY
HIP JOINT WITH REMOVABLE MUSCLES, 7-PART

The model shows the 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. The hip muscles have been mounted on their corresponding regions of origin and insertion and are removable. The relationship of the muscular system and skeletal system are represented clearly with this human hip joint model.

18 x 32 x 18 cm; 1.9 kg 1000177



3B SMART ANATOMY
SHOULDER JOINT WITH ROTATOR CUFF, 5-PART

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. By removing the four individual muscles, all movements of the shoulder joint can be performed (abduction, inward rotation, adduction, outward rotation).

18 x 18 x 24 cm; 0.85 kg 1000176

MINI MUSCLED JOINT SET



Set of four, reduced size (approximately 50% of stock models), joint models of the hip, elbow, shoulder and knee (does not contain the structures of the hand and wrist).

1019518

MUSCLED HIP WITH SCIATIC NERVE

Full size normal right hip with proximal femur and lower lumbar vertebrae including: sciatic nerve, gluteus medius, gluteus minimus, iliacus, inferior and superior gemellus, obturator internus, piriformis and psoas muscles, articular capsule ligaments, L4-L5 with sacrum.

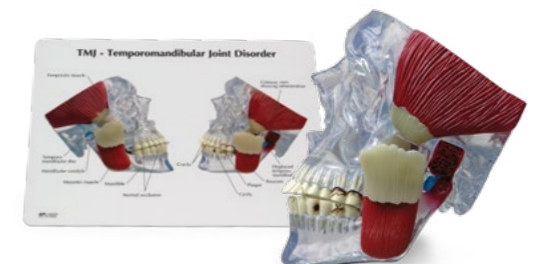
18.4 x 12.1 x 25.4 cm 1019505



TMJ MODEL

Temporomandibular Joint (TMJ) model, demonstrating the problematic conditions associated with the joint capsule. Emphasis on the disc surrounding bone inflammation and the effects on the teeth (cracks, chips, cavities, and characteristics of bruxism).

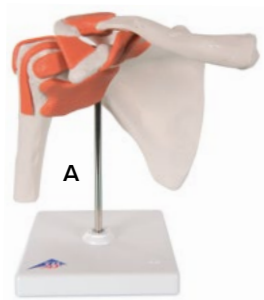
15.2 x 15.2 x 16.5 cm 1019541



> DEMONSTRATE MOVEMENT

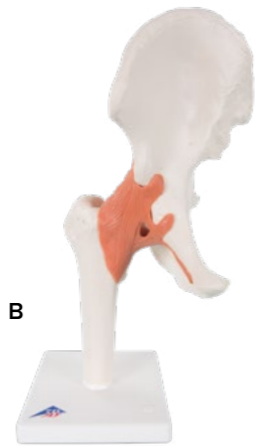
CLASSIC FLEXIBLE JOINT MODELS

The classic series of high-quality, life-size, functional joint models features the same look and size as the deluxe models but without the natural bone coloring process and the blue paint representing cartilage.



3B SMART ANATOMY
A. FLEXIBLE SHOULDER

16 x 12 x 20 cm **1000159**



3B SMART ANATOMY
B. FLEXIBLE HIP

17 x 12 x 33 cm **1000161**



3B SMART ANATOMY
C. FLEXIBLE KNEE

12 x 12 x 34 cm **1000163**



3B SMART ANATOMY
D. FLEXIBLE ELBOW

12 x 12 x 39 cm **1000165**

> DEMONSTRATE MOVEMENT AND IMPACT ON CARTILAGE

DELUXE FUNCTIONAL JOINT MODELS

You can use these high-quality, functional joint models to demonstrate physiological movements. Thanks to the attached ligaments you can perform the following movements: abduction, anteversion, retroversion, internal and external rotation. The color of the natural-cast bones is extremely realistic thanks to a special coloring process. The cartilage on the joint surfaces is marked in blue. All deluxe functional joint models are mounted on a base for easy display.

3B SMART ANATOMY
E. FUNCTIONAL SHOULDER

22 cm; 0.41 kg **1000160**

3B SMART ANATOMY
F. FUNCTIONAL HIP

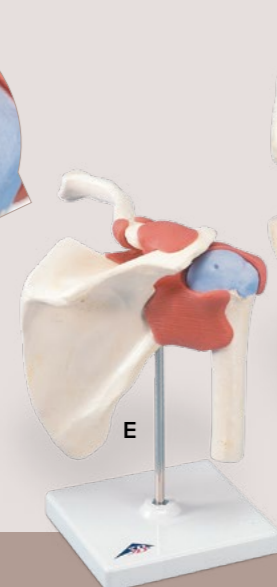
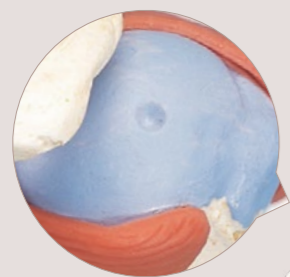
32 cm; 0.56 kg **1000162**

3B SMART ANATOMY
G. FUNCTIONAL KNEE

32 cm; 0.55 kg **1000164**

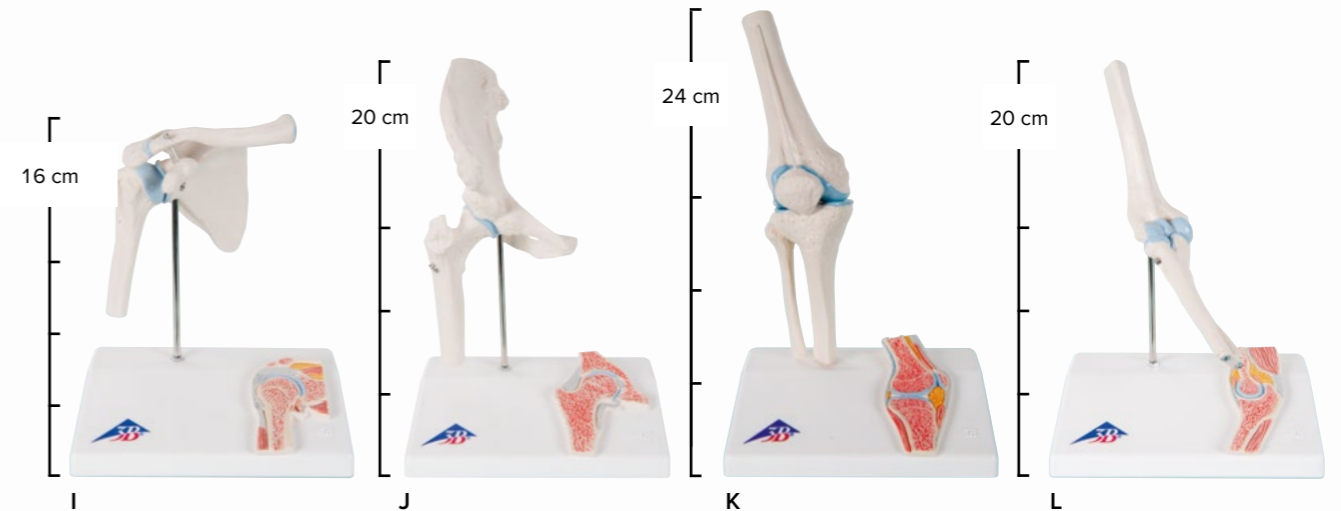
3B SMART ANATOMY
H. FUNCTIONAL ELBOW

33 cm; 0.28 kg **1000166**



MINI JOINT SERIES WITH CROSS-SECTION

The mini joint series has been reduced to half the natural size while keeping all of the functionality. A joint cross-section has been added to the base to give an inside view.



3B SMART ANATOMY
I. MINI SHOULDER

12 x 14 x 16 cm **1000172**

3B SMART ANATOMY
J. MINI HIP

16 x 12 x 20 cm **1000168**

3B SMART ANATOMY
K. MINI KNEE

10 x 14 x 24 cm **1000170**

3B SMART ANATOMY
L. MINI ELBOW

16 x 12 x 20 cm **1000174**

> ENHANCE PATIENT EDUCATION WITH DETAILED PATHOLOGICAL MODELS



3B SMART ANATOMY
SECTIONAL KNEE JOINT MODEL, 3-PART

Demonstrate disorders of the knee joint with this full size model. Shows a healthy right knee joint with parts of femur, tibia and fibula, as well as the ligament system and the patella with parts of the femoral tendon. Can be disassembled to reveal internal structures. Mounted on base.

12 x 12 x 24 cm, 0.5 kg **1000180**



MENISCUS KNEE MODEL WITH 6 TEARS

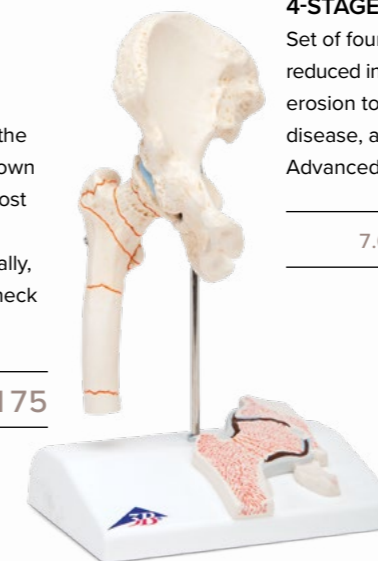
Full size normal right knee model demonstrating common meniscus tears. Condition shown includes: horizontal tear, flap tear, bucket handle, degenerative tear, radial tear and longitudinal tear.

16.5 x 6 x 15.2 cm **1019500**

3B SMART ANATOMY
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, typical wear and tear, and osteoarthritis of the hip joint. Additionally, a frontal section through the femoral neck is shown in relief on the base.

14 x 10 x 22 cm; 0.3 kg **1000175**



4-STAGE OSTEO KNEE MODEL SET

Set of four knee models show the stages of the Osteoarthritic knee, reduced in size, illustrating: degenerative joint disease (osteoarthritis), erosion to joint articular cartilage, progression of degenerative joint disease, and osteophytes (bone spurs) at the articular surfaces. Advanced stage knee is articulating for additional view of joint.

7.6 x 4.44 x 14 cm **1019502**



> 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.

- + Represents even the finest anatomical structures with realistic texture, color, and the porous characteristics of real human bone
- + Makes an excellent alternative to real bone
- + Great for use in medical teaching settings and in patient education

AN EXCELLENT WAY TO STUDY THE DETAIL OF THE ANATOMY OF THE HUMAN SPINE!

3B BONElike™ VERTEBRAE SETS

These realistic, high-quality casts of original bones show even the finest anatomical structures in great detail. Supplied on a base.

3B SMART ANATOMY

A. 3B BONElike™ CERVICAL VERTEBRAE – SET OF 7

30 x 21 x 6 cm; 0,2 kg 1000021

3B SMART ANATOMY

B. 3B BONElike™ LUMBAR VERTEBRAE – SET OF 5

30 x 21 x 6 cm; 0,2 kg 1000155

3B SMART ANATOMY

SET OF 24 3B BONElike™ VERTEBRAE MODELS

This set is a worldwide unique original anatomical replica of human vertebrae with the most precise illustration of even the finest anatomical structures, exhibiting excellent quality. The vertebrae set includes the 7 cervical, 12 thoracic and 5 lumbar vertebrae.

- Made of 3B BONElike™ material, feels and looks like real bones
- Realistic weight
- Excellent as a substitute for real bones for medical teaching purposes and patient consultation
- Each vertebra is labeled for identification purposes
- Supplied in transport and storage case with individual compartments for all 24 vertebrae

41 x 40 x 12 cm; 2,4 kg 1000156



3B SMART ANATOMY

3B BONElike™ VERTEBRAL COLUMN MODEL

This anatomical replica of the human spine is a flexible, mounted, true-to-life model of the human vertebral column in excellent 3B BONElike™ quality. The spine is an original reproduction of all anatomical details with realistic weight. It consists of the male pelvis and occipital bone. Occipital bone and atlas can be detached individually from the spine for detailed study. Stand is sold separately – please see 1000132 on page 34 to add to your order.

85 cm; 1,5 kg 1000157



EXCELLENT SUBSTITUTE FOR A
REAL HUMAN SPINE!



3B SMART ANATOMY

3B BONElike™ CHILD'S VERTEBRAL COLUMN MODEL

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

It is particularly useful in studying the phases of bone growth:

- Vertebrae – partially incomplete development of vertebral bodies and vertebral arches
- Sacrum – as yet incomplete fusion of individual sacral vertebrae. This commences at around the age of 15
- Pelvis – still open Y cartilage as main growth plate of the acetabulum. The hip, pubic and ischial bone parts are not yet connected (didactically fixed with brackets in the model). These fuse around the age of 14–16

1000118



> FULLY FLEXIBLE SPINE MODELS FOR HANDS-ON DEMONSTRATIONS!

CLASSIC SPINES

All models of the classic series are of the highest quality, made of an extremely durable material for everyday use. They are anatomically correct and precisely detailed, showing even the finest structures. Flexibly mounted for more realistic demonstrations.

3B SMART ANATOMY

CLASSIC FLEXIBLE SPINE MODEL*

Affordable spine model. Extremely popular in medical education. Male pelvis.

74 cm; 1.8 kg 1000121



3B SMART ANATOMY

CLASSIC FLEXIBLE SPINE MODEL WITH FEMUR HEADS*

Same features as the Classic Flexible Spine plus the femur heads. Male pelvis with femur heads.

83 cm; 2.1 kg 1000122



3B SMART ANATOMY

CLASSIC FLEXIBLE SPINE MODEL WITH FEMALE PELVIS*

This version comes with a female pelvis in addition to the features of the Classic Flexible Spine.

74 cm; 1.8 kg 1000124



3B SMART ANATOMY

CLASSIC FLEXIBLE SPINE MODEL WITH FEMUR HEADS AND PAINTED MUSCLES*

Didactic benefit: muscle origins (red) and insertions (blue) are hand-painted on left innominate, femur and vertebrae. Otherwise, same features as the Classic Flexible Spine.

- Male pelvis
- Painted muscle origins and insertions on left innominate femur and vertebrae

83 cm; 2.1 kg 1000123



Painted muscle origins

> COLORED FOR SIMPLIFIED EDUCATION
– VISIBLE EVEN FROM A DISTANCE IN THE CLASSROOM!

DIDACTIC SPINE MODEL

The 5 different sections of the spinal column are differentiated by color on these models:

- 7 cervical vertebrae
- 12 thoracic vertebrae
- 5 lumbar vertebrae
- Sacrum
- Coccyx

Didactic colors help to easily follow explanation about the human spine, even from a distance. They are extremely durable models of high quality.

Other great features of all spines in the Didactic Series include:

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

3B SMART ANATOMY

MALE PELVIS WITH FEMUR HEADS*

82 cm; 2.1 kg 1000129

3B SMART ANATOMY

DIDACTIC FLEXIBLE SPINE MODEL (not shown)*

Male pelvis

74 cm; 1.9 kg 1000128



> DEMONSTRATE THE CONNECTION AND INTERACTION OF THE SPINE WITH INDIVIDUAL RIBS!

3B SMART ANATOMY

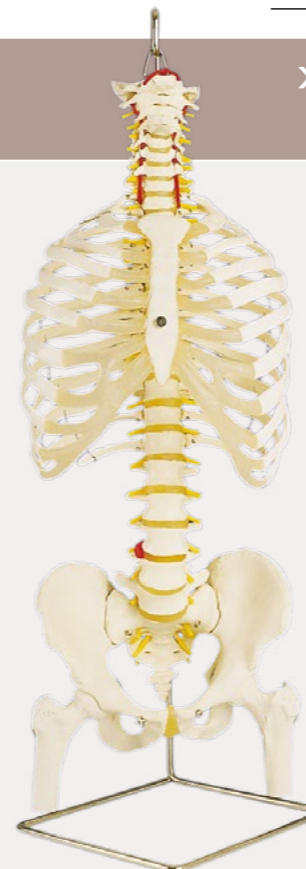
CLASSIC FLEXIBLE SPINE MODEL WITH RIBS AND FEMUR HEADS*

Flexible spine model with ribs show the interaction of individually ribs with the spine and associated structures.

This model includes the following features:

- Movable mounted femur heads
- Complete ribcage with individual mounted ribs
- Full pelvis and occipital plate
- Fully flexible mounting
- L3-L4 disc prolapsed
- Spinal nerve exits
- Cervical vertebral artery
- Male pelvis

83 cm; 3 kg 1000120



*Stand sold separately. Please see 1000132 for details on page 34.

> SPECIAL MOUNTING WITH FLEXIBLE CORE ADDS STABILITY FOR ACTIVE HANDS-ON USE!

HIGHLY FLEXIBLE SPINES

The spine models in the Highly Flexible Series are specially mounted on a flexible core, adding extra stability. This makes them ideal for active, hands-on use and demonstrations of movement. Great for medical and patient education. These spines are extremely durable.

More features of spines in the Highly Flexible Series include:

- Complete pelvis and occipital plate
- Full flexible mounting throughout spine with added core for more stability
- L3-L4 disc prolapsed on spinal column
- Spinal nerve exits
- Cervical vertebral artery
- Male pelvis

3B SMART ANATOMY

HIGHLY BENDABLE SPINE MODEL WITH FEMUR HEADS*

Male pelvis with femur heads

83 cm; 2.3 kg 1000131

3B SMART ANATOMY
HIGHLY BENDABLE SPINE MODEL
(not shown)*

Male pelvis

74 cm; 1.4 kg 1000130



> FOR ADVANCED STUDIES, INCLUDES A SACRAL OPENING AND AN EXPOSED BRAIN STEM

ADVANCED SPINES

In addition to all features of the Classic Series, the Deluxe Series has a sacral opening and exposed brain stem for advanced studies of the anatomy of the human spine.

Other features of all spines in the Deluxe Series include:

- Sacral opening and exposed brain stem
- Extremely durable material for everyday use
- Full pelvis and occipital plate
- Fully flexible mounting throughout spine
- L3-L4 disc prolapsed on spinal column
- Spinal nerve exits
- Cervical vertebral artery
- Male pelvis

3B SMART ANATOMY

DELUXE FLEXIBLE SPINE MODEL WITH FEMUR HEADS*

Male pelvis with femur heads

83 cm; 2.1 kg 1000126

3B SMART ANATOMY
DELUXE FLEXIBLE SPINE MODEL
(not shown)*

Male pelvis

74 cm; 1.8 kg 1000125

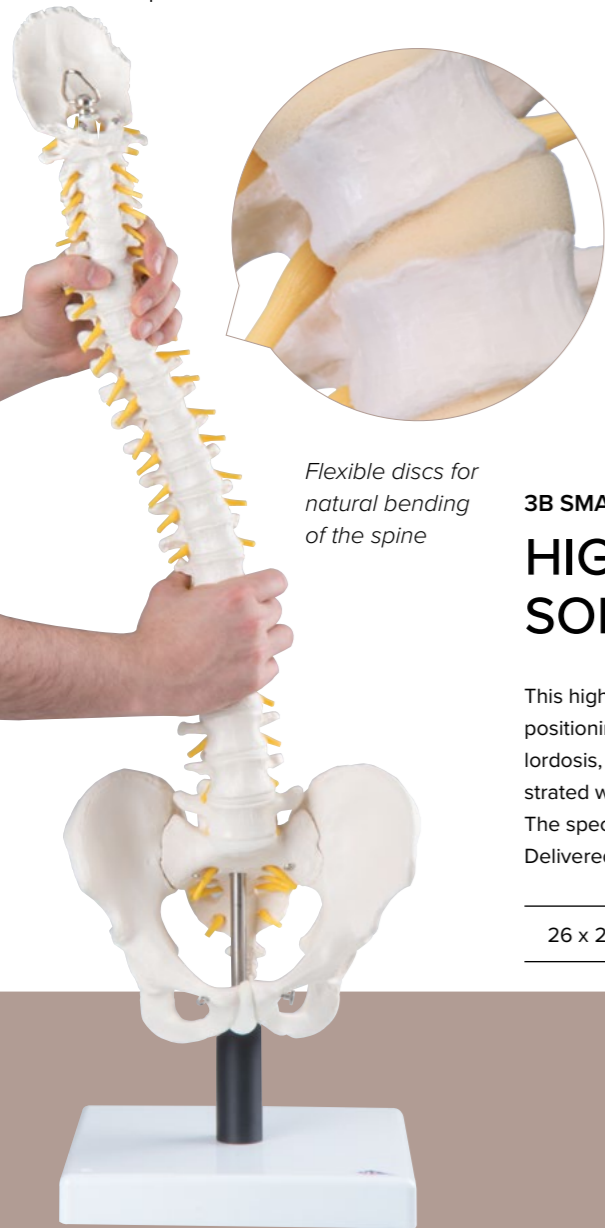


3B SMART ANATOMY

DELUXE FLEXIBLE SPINE MODEL WITH FEMUR HEADS AND PAINTED MUSCLES*

- Male pelvis with femur heads
- Hand-painted muscle origins and insertions on left innominate, femur and vertebrae

83 cm; 2.1 kg 1000127



Flexible discs for natural bending of the spine

3B SMART ANATOMY

HIGHLY BENDABLE SPINE WITH SOFT INTERVERTEBRAL DISCS

This high quality spine model shows how the discs deform during normal and abnormal positioning. It is a valuable tool to demonstrate pathological conditions such as scoliosis, lordosis, kyphosis, or subluxations. Herniation of the vertebral column can also be demonstrated with compression. The model comes complete with spinal cord and spinal nerves. The special mounting allows a clear view during demonstration and display of the spine. Delivered on removable stand.

26 x 25 x 90 cm; 3 kg 1008545

> THE 3B SMART ANATOMY APP COMES FREE WITH EVERY 3B SCIENTIFIC® ANATOMY MODEL. LEARN MORE ON PAGE 4.

*Stand sold separately. Please see 1000132 for details on page 34.

Item No.	HIGHLY BENDABLE SPINES			CLASSIC SPINES				DIDACTIC SPINES	
	1008545	1000130	1000131	1000123	1000124	1000121	1000122	1000128	1000129
Page	32	32	32	31	31	30	30	30	30
Top quality natural casts	✓	✓	✓	✓	✓	✓	✓	✓	✓
Assembled by hand	✓	✓	✓	✓	✓	✓	✓	✓	✓
Durable, unbreakable plastic	✓	✓	✓	✓	✓	✓	✓	✓	✓
Natural size	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soft intervertebral discs	✓	✓	✓	✓	✓	✓	✓	✓	✓
L3-L4 prolapsed disc	-	✓	✓	✓	✓	✓	✓	✓	✓
Highly bendable	✓	✓	✓	-	-	-	-	-	-
Flexible	✓	✓	✓	✓	✓	✓	✓	✓	✓
Muscle insertions and origins, hand-painted	-	-	-	✓	-	-	-	-	-
Spinal nerves and vessels	✓	✓	✓	✓	✓	✓	✓	✓	✓
Realistic movement of the hip	-	-	✓	✓	-	-	✓	-	✓
Male pelvis	✓	✓	✓	✓	-	✓	✓	✓	✓
Female pelvis	-	-	-	-	✓	-	-	-	-
With Ribcage	-	-	-	-	-	-	-	-	-
With Femur Heads	-	-	✓	✓	-	-	✓	-	✓
3B BONElike™ Material	-	-	-	-	-	-	-	-	-
3B Smart Anatomy	✓	✓	✓	✓	✓	✓	✓	✓	✓

ADVANCED SPINES			CLASSIC SPINES WITH RIBCAGE	3B BONElike™ SPINES		MINIATURE SPINES	
1000126	1000127	1000125	1000120	1000118	1000157	1000042	1000043
33	33	33	31	29	29	34	34
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
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✓	✓	✓	✓	✓	✓	✓	✓



SPINAL COLUMN MODELS

MINIATURE MODELS

ANATOMICALLY CORRECT AND FLEXIBLE AT A FRACTION OF THE SIZE. PERFECT FOR YOUR DESK OR AS A GIFT!

3B SMART ANATOMY

MINI HUMAN SPINAL COLUMN

The miniature model includes occipital plate of the skull, intervertebral discs, and pelvis. It is mounted flexibly to demonstrate natural movements and pathological changes.

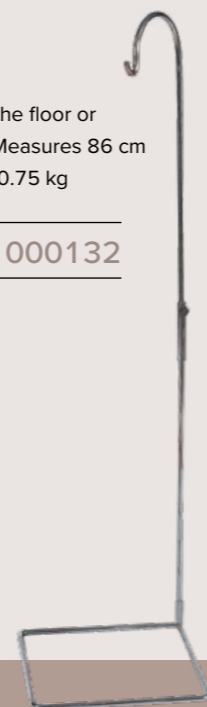
Delivered without stand; 40 cm **1000042**
 Delivered with stand; 44 cm **1000043**



MULTIFUNCTIONAL STAND FOR SPINAL COLUMNS, 3-PART

The stand can be placed on the floor or desk, or mounted on a wall. Measures 86 cm tall on a 24 cm square base; 0.75 kg

1000132



SPINAL COLUMN POSTER

The anatomy of the human spine is illustrated beautifully in this informative poster. The spinal column is depicted in detail and common pathologies are outlined, including osteoporosis, scoliosis, and disc herniation.

Laminated, 50 x 67 cm **1001480**

HIGHLY ROBUST

> PLEASE GO ONLINE TO 3BSCIENTIFIC.COM TO BROWSE THE LARGE SELECTION OF MEDICAL POSTERS AND CHARTS.

> PELVIC SKELETON MODELS

- + Natural casts
- + Extremely detailed
- + Made of virtually unbreakable plastic

3B SMART ANATOMY 
FEMALE PELVIC SKELETON

Consisting of hip bone, sacrum with coccyx, and two lumbar vertebrae. Includes movable symphysis.

19 x 25 x 10 cm; 0.9 kg **1000134**



3B SMART ANATOMY
FEMALE PELVIC SKELETON WITH 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 **1000135**

3B SMART ANATOMY 
MALE PELVIC SKELETON

Consisting of hip bone, sacrum with coccyx, and two lumbar vertebrae.


18 x 28 x 23 cm; 0.8 kg **1000133**




3B SMART ANATOMY
3B SCIENTIFIC'S "BUNGEE" PELVIC BONE MODELS

are naturally cast from a female pelvis. All the pelvic bones are flexibly mounted and can be easily disassembled. Available with or without femur heads, these models perfectly demonstrate the articulation of the pelvic joints. Highly suitable for patient education as well as being a useful learning tool for midwives and in the areas of Obstetrics, Gynecology and Orthopedics.

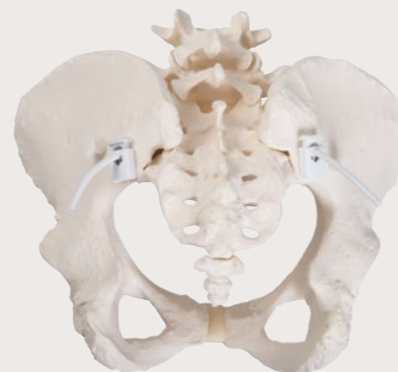


3B SMART ANATOMY 
FLEXIBLE FEMALE PELVIS WITH FEMUR HEADS

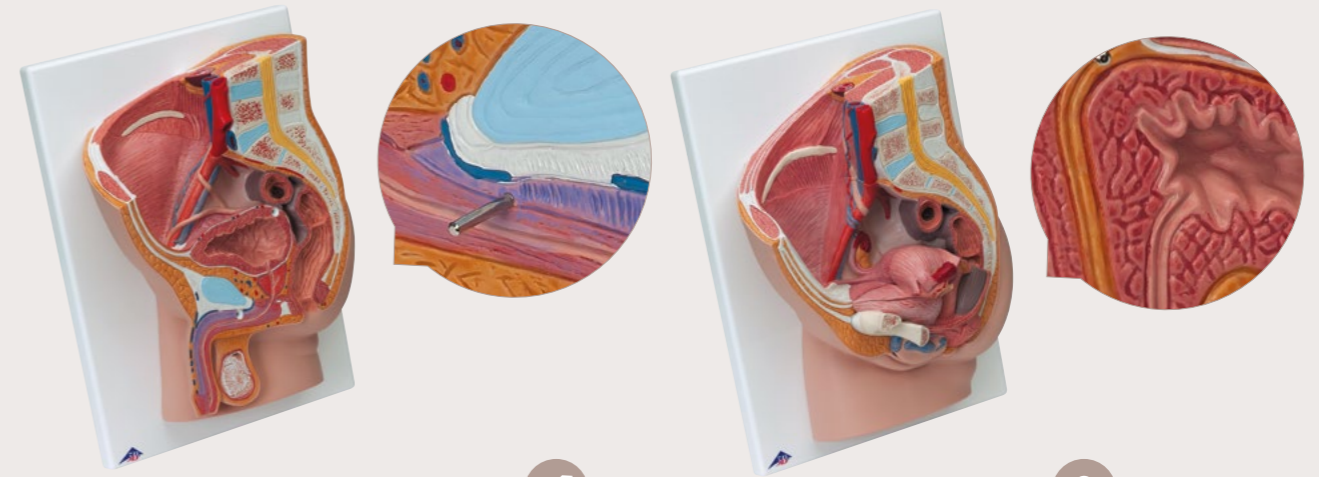
1019865

3B SMART ANATOMY 
FLEXIBLE FEMALE PELVIS

1019864




IDEAL FOR THE CLASSROOM OR DOCTOR'S OFFICE!



3B SMART ANATOMY 
LIFE-SIZE MALE PELVIS, 2-PART

The male pelvis anatomy model is shown in median section. One half of male genital organs with bladder, shown at the normal position in the male pelvis. The rectum is removable for a more detailed study of the male pelvic anatomy. Delivered on baseboard offering the possibility to be mounted to the wall.

41 x 31 x 17 cm; 2.5 kg **1000282**

3B SMART ANATOMY 
LIFE-SIZE FEMALE PELVIS, 2-PART

This female pelvis is in median section. It shows one half of the female genital organs with bladder and removable rectum. The female pelvis is delivered on baseboard offering the possibility to be mounted to the wall for easy display.

41 x 31 x 20 cm; 2.2 kg **1000281**

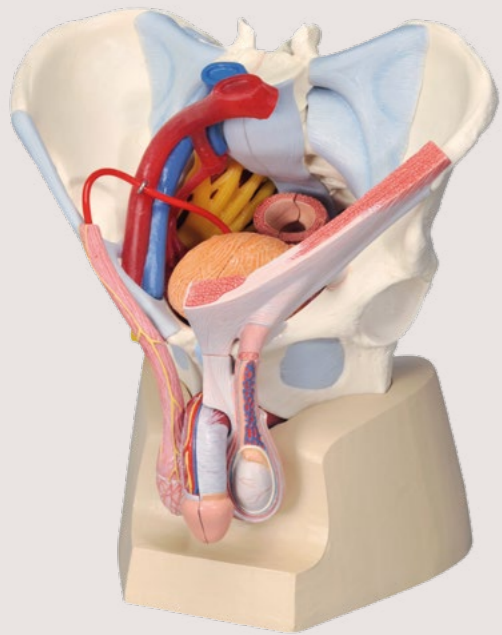
MOLDED FROM DURABLE AND SOFT VINYL!

3B SMART ANATOMY 
FEMALE PELVIS 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 kg **1000335**





3B SMART ANATOMY

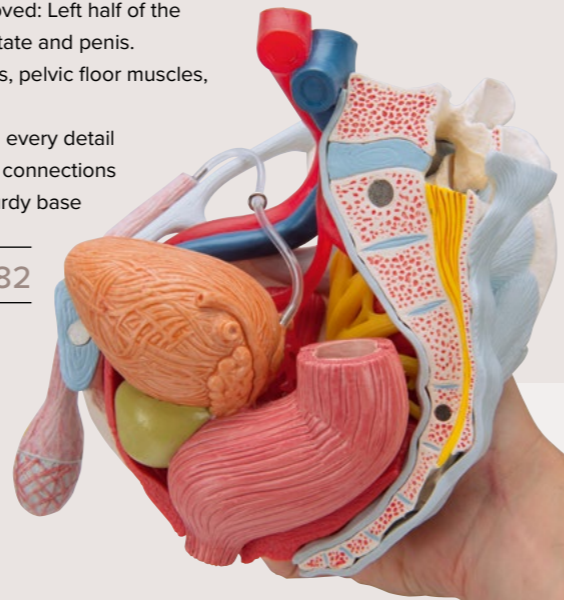
MALE PELVIS WITH LIGAMENTS, VESSELS, NERVES, PELVIC FLOOR AND ORGANS, 7-PART



Extensive educational tool for a better understanding of the comprehensive anatomy of the male pelvis. For close up study, the pelvis splits into two halves and the following parts can be removed: Left half of the fifth lumbar vertebra, rectum, bladder, prostate and penis.

- Includes bones, ligaments, vessels, nerves, pelvic floor muscles, and external sex organs
- All structures are anatomically accurate in every detail
- Can easily be taken apart using magnetic connections
- Extremely durable material. Comes on sturdy base

21 x 28 x 31 cm; 3.12 kg 1013282



> CAN BE TAKEN APART EASILY FOR CLOSER STUDY. WITH 3B SMART ANATOMY, YOU RECEIVE THE FREE DIGITAL VERSION OF YOUR 3B SCIENTIFIC® MODEL. SEE PAGE 4 FOR DETAILS AND A DEMO.



3B SMART ANATOMY

MALE PELVIS WITH LIGAMENTS, 2-PART



This 2-part model is a natural cast of a male, bone pelvis with ligaments. It shows the following structures in great detail: both hip bones, pubic symphysis, sacrum and coccyx, and the fifth lumbar vertebra with intervertebral disc. Part of the cauda equina is visible in the vertebral canal. 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.

19 x 28 x 24.5 cm; 1.66 kg 1013281



3B SMART ANATOMY

MALE PELVIS, 3-PART



Like 1013281 but without the ligaments. 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; 1.35 kg 1013026

> THE MOST COMPREHENSIVE FEMALE PELVIS MODEL!

3B SMART ANATOMY

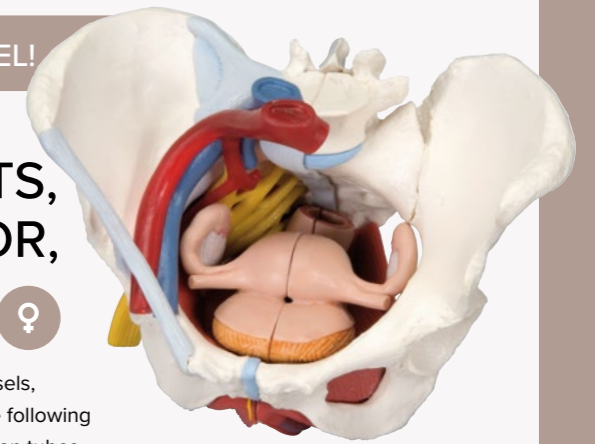
FEMALE PELVIS WITH LIGAMENTS, VESSELS, NERVES, PELVIC FLOOR, ORGANS, 6-PART



This original cast of a female pelvis shows the topography of bones, ligaments, vessels, nerves, pelvic muscles and female genital organs in life-size. For close up study, the following parts can be removed and disassembled into two halves: rectum, uterus with fallopian tubes, ovaries and vagina. The pelvic floor includes partially removable external anal sphincter, external urethral sphincter, deep and superficial transverse perineal and bulbospongiosus. The pelvis can be disassembled through a midsagittal section (fifth lumbar vertebra, sacrum and coccyx) to reveal a part of the cauda equina in the vertebral canal.

- Magnetic connections for fast demonstrations
- Study of complex anatomical areas made easy

19 x 27 x 19 cm; 1.6 kg 1000288



The pelvic muscles are shown in great detail

3B SMART ANATOMY

FEMALE PELVIS WITH LIGAMENTS, MUSCLES AND ORGANS, 4-PART



This life-size model of a female pelvis represents detailed information about the topography of bones, ligaments, pelvic floor muscles and female pelvic organs. The right half shows the bones with pelvic ligaments and left half of the pelvis contains the muscles of the pelvic floor. A partially removable bulbospongiosus demonstrates the vestibular bulb and Bartholin gland. The removable, midsagittally sectioned female pelvic organs (urinary bladder, vagina, uterus and rectum) demonstrate the relationship to the muscles of the pelvic floor within its openings for urethra, vagina and rectum.

19 x 27 x 19 cm; 1.3 kg 1000287



3B SMART ANATOMY

FEMALE PELVIS WITH LIGAMENTS, 3-PART



This life-size model represents an original cast of a bony female pelvis with all major ligaments on the right side and shows all the details of the hip bones, the pubic symphysis, the sacrum and the coccyx, and the fifth lumbar vertebra with intervertebral disc. A midsagittal section through the fifth lumbar vertebra, sacrum and coccyx, allow both halves of the pelvis to be disassembled revealing a part of the cauda equina in the vertebral canal. The left half of the fifth lumbar vertebra is removable.

19 x 27 x 19 cm; 1 kg 1000286

3B SMART ANATOMY

FEMALE PELVIS, 3-PART.

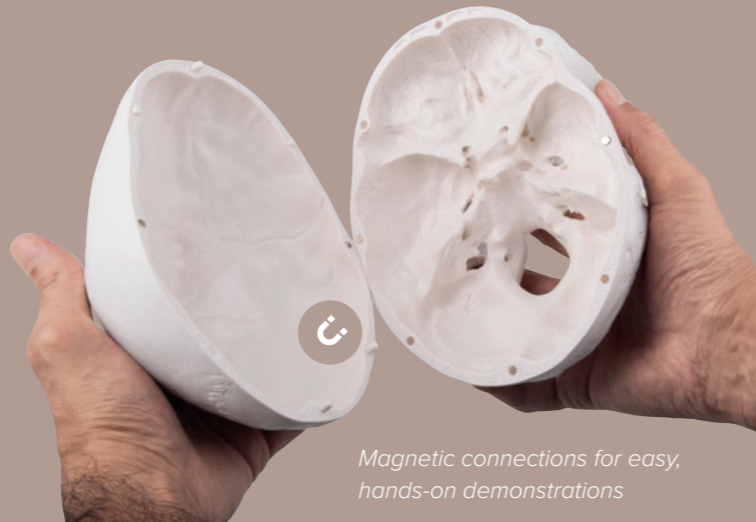


19 x 27 x 19 cm; 0.9 kg; without ligaments 1000285



➤ ALL 3B SCIENTIFIC® HUMAN SKULL MODELS HAVE BEEN CAST FROM REAL SPECIMENS, GUARANTEEING LIFE-LIKE DETAIL AND ANATOMICAL PRECISION. YOU WILL SEE EVEN THE FINEST STRUCTURES IN THESE DURABLE MODELS MADE FOR EVERYDAY USE!

- + Anatomical detail and precision
- + Realistically cast dentition
- + Durable, non-toxic material
- + Manufactured for everyday use



Magnetic connections for easy, hands-on demonstrations

SKULL MODELS

Other features of all skull models of the classic series include:

- Highly accurate representation of the fissures, foramina, processes, sutures etc.
- Mandible is mounted on a spring to easily demonstrate natural movement
- High-quality original human skull cast
- Handmade from hard, unbreakable plastic

LIFE-LIKE DETAIL!

3B SMART ANATOMY

CLASSIC SKULL, 3-PART

The 3-part standard version skull is an excellent choice for basic anatomical studies or an attractive medical gift. It can be disassembled easily into the skull cap, the base of skull and the mandible.

20 x 13.5 x 15.5 cm; 0.6 kg 1020159

Surface detail



3B SMART ANATOMY

CLASSIC SKULL, 3-PART

The different bones and features, like the suture lines of the bony plates, are highlighted for ease in identifying all important anatomical structures.

20 x 13.5 x 15.5 cm; 0.7 kg 1020165



3B SMART ANATOMY

CLASSIC SKULL WITH PAINTED MUSCLE, 3-PART

In addition to all features of the classic skull, this version is didactically hand-painted to show the insertions and origins of the muscles on the left side of the skull. Altogether, over 140 anatomical details can be identified utilizing this top quality model. The jaw hinges with a spring to simulate realistic movement. The detail and precision make it a great anatomy teaching tool!

20 x 13.4 x 15 cm; 0.7 kg 1020168



Hand-painted



3B SMART ANATOMY

CLASSIC SKULL WITH 5-PART BRAIN

The 5-part brain is midsagittally divided and is cast from an original specimen for anatomical accuracy and detail.

The left side of the brain can be disassembled into the following parts:

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

20 x 13.5 x 15.5 cm; 1.1 kg 1020162

3B SMART ANATOMY

CLASSIC SKULL WITH OPENED LOWER JAW, 3-PART

In addition to all features of the classic skull, this version includes an opened lower jaw, making it perfect for teaching dental anatomy. It is highly detailed, and the opened part shows the dental roots with vessels and nerves. The cranial sutures are shown in color, as are the meningeal vessels and venous sinuses.

20 x 13.5 x 15.5 cm; 0.7 kg 1020166



Demonstrate the functions of masticatory muscles!

3B SMART ANATOMY

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. In addition to all features of the classic skull model, this version includes the masticatory muscles (masseter, temporal, medial and lateral pterygoid muscles). They are made of durable, elastic bands for functional demonstrations of movement of the jaw: jaw occlusion, the initial stage of jaw opening, and the movements of the mandible to the side and front. This makes the skull a valuable tool for demonstrations about temporomandibular joint disorders both for patients and students. The skull-cap is removable and the model is cast from an original specimen, guaranteeing a highly accurate anatomical representation.

20 x 13.5 x 15.5 cm; 0.7 kg 1020169



3B SMART ANATOMY

CLASSIC SKULL, PAINTED, WITH OPENED LOWER JAW, 3-PART

This deluxe version of the classic skull series combines the different features all in one! It is an extensive educational tool concerning the anatomy of the skull and includes the following features:

- Hand-painted muscle origins and insertions
- Opened lower jaw exposing dental roots, vessels and nerves
- Highlighted suture lines of bony plates
- 3-part skull can easily be disassembled
- High-quality, durable material for everyday use
- Movable lower jaw

20 x 13.5 x 15.5 cm; 0.7 kg 1020167



HUMAN SKULL MODELS ON CERVICAL SPINE, 4-PART FLEXIBLY MOUNTED ON THE CERVICAL SPINE

The most effective way to learn:
Hands-on with visual support!

3B SMART ANATOMY DIDACTIC HUMAN SKULL MODEL ON CERVICAL SPINE, 4-PART

This didactic skull model utilizes 19 distinctive colors to represent the shapes and relationships of the various bone plates of the skull. Mounted on stand.

17.5 x 17.5 x 30 cm; 0.6 kg 1020161



C1, C2 and C7 are colored in the didactic version to better show their relation. To complete this demonstration, the models also exhibit the hindbrain, spinal cord, spinal nerves of the cervical spine, vertebral arteries, basilar artery as well as the rear cerebral arteries.

Manufactured to the highest quality standards:

- Anatomically precise cast from original human skull
- Handmade from extremely durable, non-toxic plastic
- Highly accurate representation of the fissures, foramina, processes and sutures
- Magnetic connections: can easily be disassembled into skull cap, base of skull and mandible

3B SMART ANATOMY HUMAN SKULL MODEL ON CERVICAL SPINE, 4-PART, NATURALLY COLORED IN BONE LIKE SHADES

Mounted on stand.

20 x 13.5 x 15.5 cm; 0.6 kg 1020160



BEAUCHENE ADULT HUMAN SKULL MODELS, 22-PART

The human skull consists of many individual bones that gradually grow together as the development proceeds. This human skull kit is a natural cast that makes the complex anatomical structures of the skull easy to understand. The skulls can be taken apart into the following 22 bones:

- Parietal bone (left and right)
- Occipital bone, Frontal bone
- Temporal bone (left and right)
- Sphenoid bone
- Ethmoid bone
- Vomer bone
- Zygomatic bone (left and right)
- Upper jaw (maxilla) with teeth (left and right)
- Palatine bone (left and right)
- Nasal concha (left and right)
- Lacrimal bone (left and right)
- Nasal bone (left and right)
- Lower jaw (mandible) with teeth



3B SMART ANATOMY A. BEAUCHENE ADULT HUMAN SKULL MODEL – DIDACTICALLY COLORED, 22-PART

The 22 bones are depicted in 9 different didactic colors so that the individual skull bones are easy to distinguish.

21 x 14 x 16 cm; 0.7 kg 1000069

3B SMART ANATOMY B. BEAUCHENE ADULT HUMAN SKULL MODEL – BONE COLORED, 22-PART

This version of the 22-part Beauchene skull has the same features as the didactic version, but is colored like natural bone.

21 x 14 x 16 cm; 0.7 kg 1000068



3B SMART ANATOMY

DELUXE HUMAN DEMONSTRATION DENTAL SKULL MODEL, 10-PART

Exceptional quality and anatomical detail! The skull cap is removable and the base of the skull is mid-sagittally divided. The anatomy of the human skull is easy to learn and teach using this model.

The model features the following details, fitted with flaps that can be opened to view internal structures:

- Frontal sinus, perpendicular lamina and vomer can be opened to view the lateral nose wall and sphenoidal sinus
- Left side temporal bone can be removed and folded up in the area of the tympanic membrane
- Maxilla and mandible of the skull are opened to reveal the alveolar nerves
- Right side the temporal bone is opened to reveal the sigmoid sinus, the facial nerve canal and the semicircular ducts
- Right side flap at maxillary sinus and the right half of the mandible, so that the dental roots of the premolars and molars of the lower jaw can also be viewed

The natural occlusion and the individual removal and replacement of each tooth also make this skull especially interesting for dentists. This is a spectacular model whether you use it as a dental skull or for other purposes.

28 x 22.5 x 18.5 cm; 1.5 kg 1000059



3B SMART ANATOMY

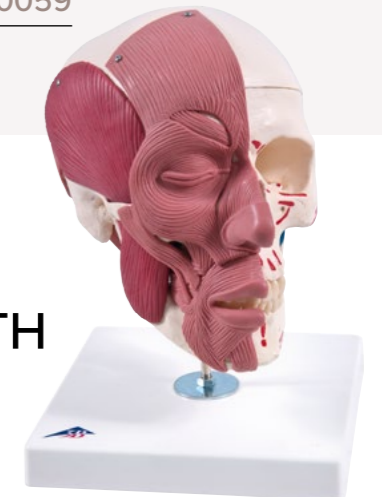
NEUROVASCULAR SKULL MODEL

This life-size human adult skull comes on seven cervical vertebrae and is mounted on a sturdy stand. It is a valuable tool to demonstrate the anatomy and positioning of the arteries and the nerves on the skull. The skull cap is removable and reveals the main nerves and arteries on the floor of the cranium. With this skull, you can demonstrate the 12 cranial nerves (and their branches) that arise directly from the brain and pass through separate apertures in the skull.

17 x 16 x 30 cm; 1.3 kg 1005108

3B SMART ANATOMY

SKULL WITH FACIAL MUSCLES

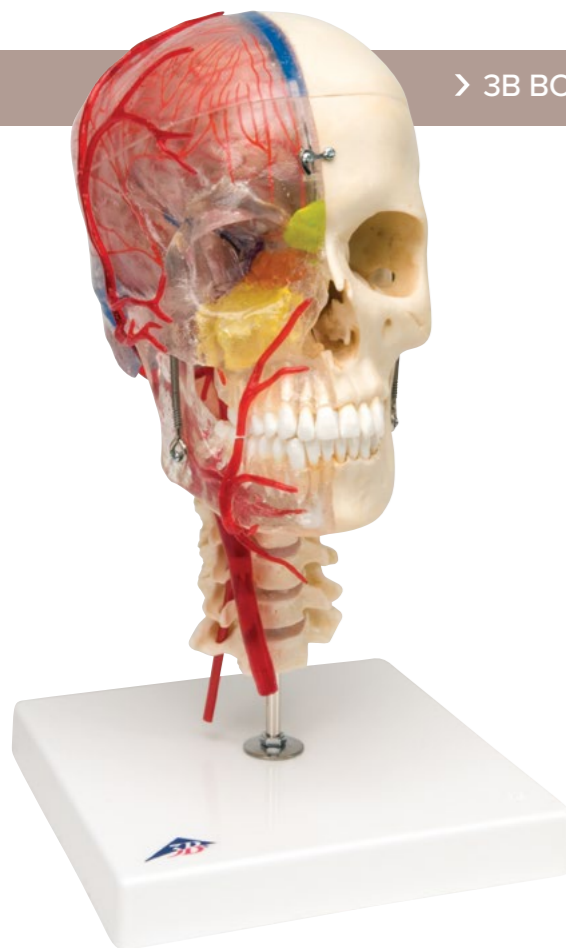


Easily demonstrate causes of temporo-mandibular disorders and other dysfunctional disturbances of the masticatory muscles with this high quality skull model. It is anatomically precise and manufactured specifically to withstand wear and tear from educational use. The right half features the face and mastication muscles.

They can easily be differentiated by color. Cranium and m. masseter are easily detachable to reveal the structures underneath. The left side shows hand-painted muscle origins and insertions to further clarify the structural interaction of muscles and skull bones. The jaw is movable and due to the flexible musculature the rudimentary chewing motion can be demonstrated. Made in Germany and cast from an original human skull, using our highest-quality material.

18 x 18 x 25 cm; 1.08 kg 1020181

> 3B BONElike™ MATERIAL FOR UNRIVALLED REALISM AND DETAIL!



3B SMART ANATOMY

3B BONElike™ HALF TRANSPARENT HUMAN SKULL MODEL, 7-PART

This worldwide unique and high quality didactic skull is a great tool to understand the anatomy of all structures inside the skull.

The possibility to transfer the visible parts in the transparent half to the bony half give this skull an additional didactic value:

- Transparent side helps understand the internal anatomy of the skull
- Sinuses and arteries are marked in color for easy identification
- Can easily be disassembled into 7 parts for close-up study
- 3B BONElike™ material looks and feels real

Through the transparent right half of the skull, you can easily locate the color-coded paranasal and the cranial sinuses, and the neck and face arteries. Through the skullcap, the position of the brain and the course of the sinuses can be visualized. The periodontal pockets and tooth roots can be viewed through the transparent side of the jaw, which is mounted flexibly to demonstrate the masticator movements of the human skull. The skull is mounted on a cervical spine and 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.

18 x 18 x 34 cm; 0.86 kg 1000064

3B SMART ANATOMY

3B BONElike™ HALF TRANSPARENT HUMAN SKULL MODEL, 8-PART

One half of this skull 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 half. Can be disassembled into both halves of the skullcap and base of skull, the nasal septum, the complete mandible and both masticator muscles.

16 x 14 x 20.5 cm; 0.54 kg 1000063



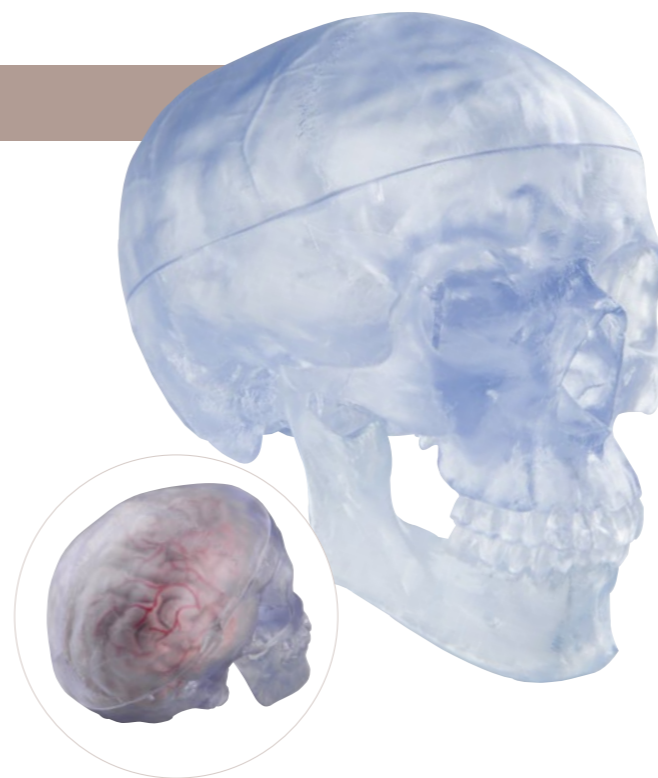
3B SMART ANATOMY

3B BONElike™ HUMAN BONY SKULL MODEL, 6-PART

This version shows a complete skull in median-sagittal section. **It can be disassembled into two halves consisting of:**

- The calvarium and the base of the skull
- The nasal septum and complete mandible
- For a demonstration of masticatory motion, the mandible is mounted flexibly.

16 x 13.5 x 20.5 cm; 0.5 kg 1000062



You can add a brain (not included)



3B SMART ANATOMY

3B SMART ANATOMY TRANSPARENT CLASSIC HUMAN SKULL MODEL, 3-PART

A great addition to any educational collection! Use this unique transparent replica of the human skull to study internal structures!

- High-quality original casts
- Skull is handmade of hard, unbreakable plastic
- Highly accurate representation of the fissures, foramina, processes, sutures
- Can be disassembled into Skull Cap, Base of Skull and Mandible
- A 5-part classic brain can be inserted into the skull. See page 40 for details.

20 x 13.5 x 15.5 cm; 0.6 kg 1020164



3B SMART ANATOMY

FETAL SKULL MODEL

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. Delivered on stand.

18.5 x 14.5 x 14 cm; 0.2 kg 1000058

3B SMART ANATOMY

FETAL SKULL MODEL, WITHOUT STAND (not shown)

14 x 9 x 9 cm; 0.15 kg 1000057

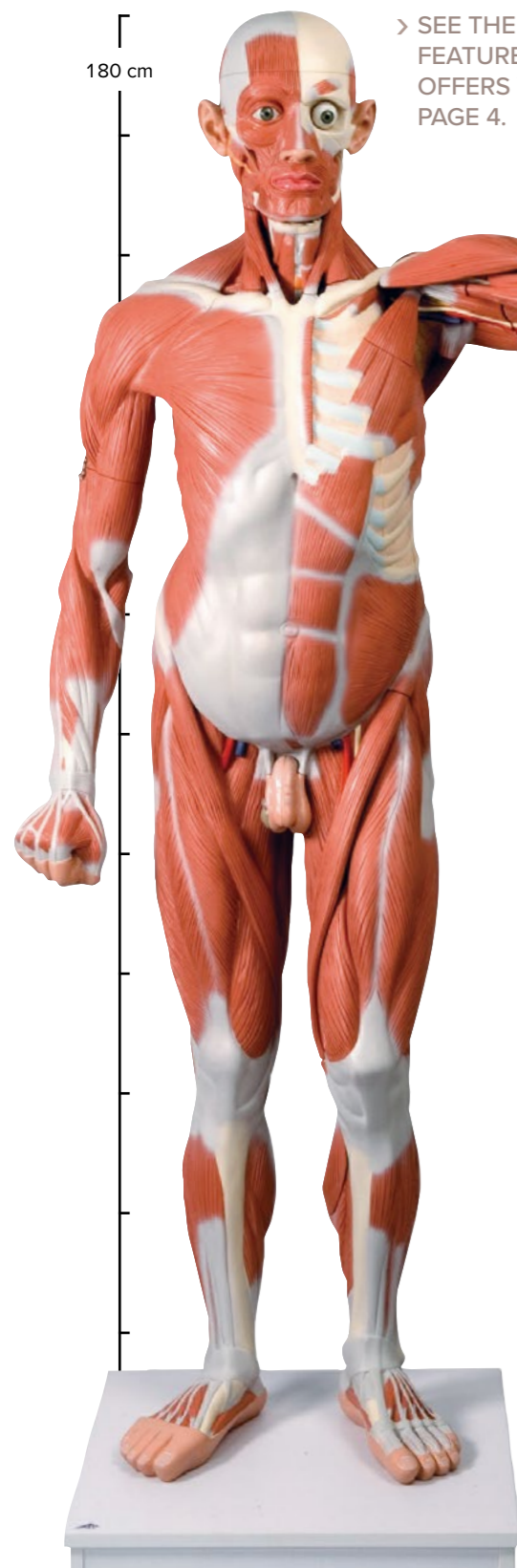


3B SMART ANATOMY

MINI HUMAN SKULL MODEL, 3-PART

It precisely depicts the anatomical structures of the human skull in a manner that is true to detail and can be disassembled into skullcap, base of skull, and mandible.

10 x 8 x 8 cm; 0.1 kg 1000041



> SEE THE ADDITIONAL DIGITAL FEATURES 3B SMART ANATOMY OFFERS YOU – DETAILS ON PAGE 4.



3B SMART ANATOMY
LIFE-SIZE MALE MUSCLE FIGURE, 37-PART

This life-size human muscular model shows the deep and superficial musculature of the entire body in great detail. The extraordinary accuracy of the human muscular system makes this masterpiece a unique tool for instructions even in large lecture halls. It is manufactured to precise anatomical detail and is made from a durable, non-toxic plastic and painted in didactic colors. Comes on a sturdy base, slightly raised for better visibility.

- The following parts can be removed for close up study:**
- Skull cap
 - 6-part brain
 - Eyeball
 - Breast and abdominal wall
 - Both arms
 - 2-part larynx
 - 2 lungs
 - Diaphragm
 - 2-part stomach
 - Liver with gallbladder
 - Kidney
 - Whole intestine system
 - Bladder, half
 - 2-part penis
 - 10 muscles (3 arm and leg muscles, 2 thoracic muscles, sternocleidomastoid muscles, and gluteus maximus)

180 x 110 x 50 cm; 53 kg 1001235



Removable organs

3B SMART ANATOMY
3/4 LIFE-SIZE DUAL SEX MUSCLE FIGURE, 45-PART

This muscle figure is 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 amazing detail and realistic color in addition to the body's major nerves, vessels, tissues and organs in exquisite detail. The internal organs are removable (45 parts in total) to reveal the fundamental interrelationships of human morphology. This dual sex muscle figure has interchangeable genital inserts and a female mammary gland. Hand-painted and mounted on a stable metal stand.

- Includes the following features:**
- 5 arm/shoulder muscles
 - 8 leg/hip muscles
 - 2-part removable heart
 - 5-part head with removable brain
 - 2-part removable lungs
 - 2-part stomach
- Removable 4-part male and 2-part female genital inserts
 Detachable arms, leg, head, and abdominal wall for detailed study

Hands-on anatomy education at its best:
 Easily remove the calvarium to view the 3-part removable brain. Look beneath the liver to reveal the gallbladder and bile duct. Peer inside the appendix, stomach lungs, heart or kidney. Remove and view the details of 13 different muscles of the arms and legs.

138 x 50 x 32 cm; 12.4 kg 1013881



3B SMART ANATOMY
3/4 LIFE-SIZE FEMALE MUSCLE FIGURE, 23-PART (not shown)

This Female Muscle Figure provides the same quality characteristics as the dual sex model above but is delivered without internal organs, brain, and male genitalia providing for unobstructed study of the human musculature.

- The female muscle figure includes the following features:**
- 5 arm/shoulder muscles
 - 8 leg/hip muscles
 - Detachable arms, leg, head and abdominal wall for detailed study

138 x 45 x 32 cm; 11.2 kg 1013882

> A SPACE SAVING ALTERNATIVE WITH AMAZING DETAIL AT HALF LIFE-SIZE!

> LIFE-SIZE MODEL



3B SMART ANATOMY

1/2 LIFE-SIZE COMPLETE DUAL SEX MUSCLE FIGURE, 33-PART

This convenient and complete human musculature model is the 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 the finest quality at an affordable price. Painted by hand in realistic colors, this human anatomy model comes complete with stand.

Includes the following removable parts:

- 5 arm/shoulder muscles
- 8 leg/hip muscles
- 2-part heart
- 2-part brain
- 2 lungs
- 2-part male and 2-part female genital inserts
- 2-part intestine system
- Detachable breast/belly covering and arms for detailed study

84 x 30 x 30 cm; 4.95 kg 1019231

3B SMART ANATOMY

1/2 LIFE-SIZE COMPLETE FEMALE MUSCLE FIGURE, 21-PART (not shown)

Offering the same exceptional value as the dual sex version above, this version is delivered without internal organs, brain, and male genitalia.

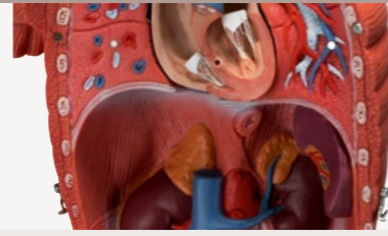
84 x 30 x 30 cm; 4.1 kg 1019232

3B SMART ANATOMY

1/3 LIFE-SIZE MUSCLE FIGURE, 2-PART

The 1/3 life-size mini muscle figure shows the superficial musculature. It is accurately reproduced with life-like detail. The chest plate is removable from the muscular figure to reveal the internal organs and the right side contains a female mammary gland.

57 x 25 x 18 cm; 2.1 kg 1000212



3B SMART ANATOMY

LIFE-SIZE DUAL SEX HUMAN FIGURE, 39-PART



This life-size, dual sex model facilitates an understanding of human anatomy like no other human anatomy model in the world! One half exposes the musculature, while the other shows the skin for a more realistic effect that puts the human touch back in. The figure can be disassembled easily to show the inner structures and organs in amazing detail.

Altogether, 39 component parts can be removed:

- 2-part head
- Brain, half
- M. Sternocleidomastoid
- 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 insert with embryo
- 4-part male genital
- M. Satorius
- M. Gluteus maximus
- M. Rectus femoris
- M. Gastrocnemius
- M. Biceps femoris cap. with m. semitendinosus

Comes with wooden roller base and includes free anatomy software!

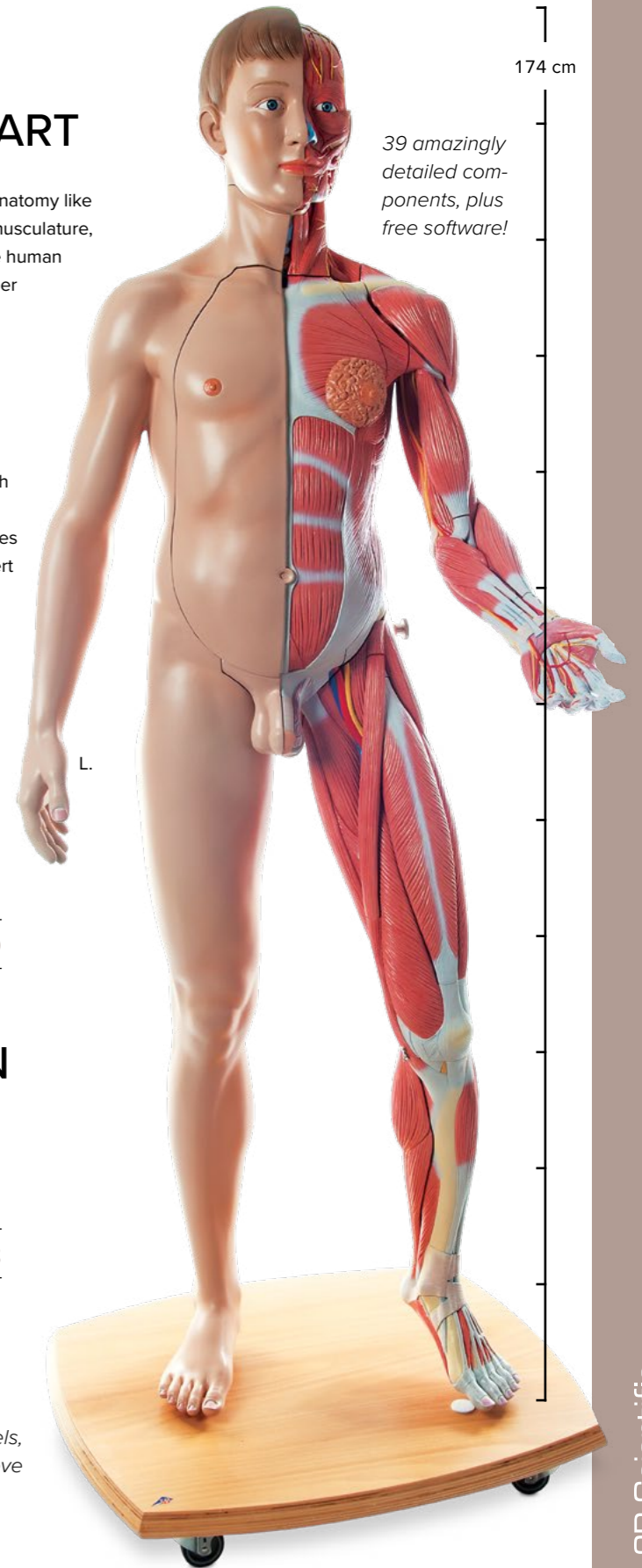
174 cm; 40.7 kg; Caucasian appearance 1000209

3B SMART ANATOMY

LIFE-SIZE DUAL SEX ASIAN HUMAN FIGURE, 39-PART

Same features as 1000209 above.

174 cm; 40.7 kg; Asian appearance 1000208



39 amazingly detailed components, plus free software!

On wheels, easy to move



> ON REMOVABLE STAND FOR CLOSER STUDY!

> ILLUSTRATES BOTH THE SUPERFICIAL AND DEEPER MUSCLES IN AMAZING DETAIL!



3B SMART ANATOMY
LIFE-SIZE LOWER MUSCLE LEG WITH DETACHABLE KNEE, 3-PART

Life-size replica of lower leg, ankle, and foot. On removable base for close up study.

Features of the lower muscular leg:

- Detachable knee cross section to expose the articular surfaces
- Detachable gastrocnemius muscle

58 cm; 2.6 kg 1000353



3B SMART ANATOMY
LIFE-SIZE DELUXE MUSCLE LEG, 7-PART

Extremely detailed model, shows even the finest structures. This life-size muscular leg model can be disassembled into upper and lower leg.

The following muscles can be detached from the leg:

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

This high-quality muscular leg model is supplied on a base.

100 cm; 7 kg 1000352

3B SMART ANATOMY
3/4 LIFE-SIZE MUSCLE LEG, 9-PART

The muscular leg model illustrates 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. Delivered on removable stand.

77 x 26 x 26 cm; 4 kg 1000351



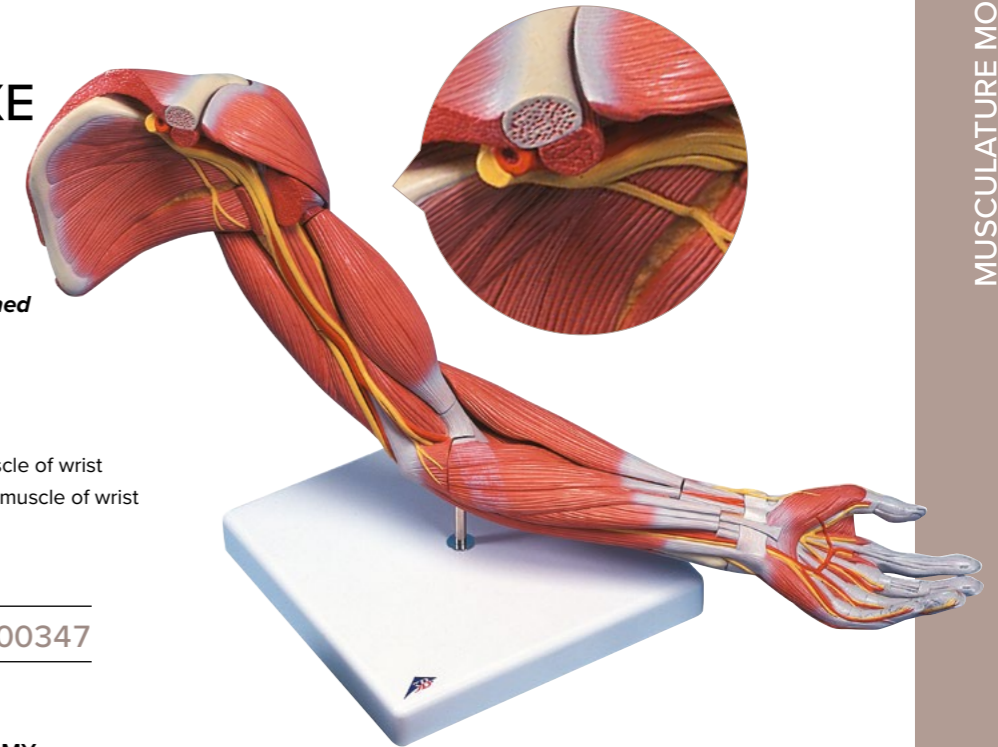
3B SMART ANATOMY
LIFE-SIZE DELUXE MUSCLE ARM, 6-PART

The following muscles can be detached in this life-size muscular arm 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.

70 cm; 3 kg 1000347



3B SMART ANATOMY
3/4 LIFE-SIZE MUSCLE ARM, 6-PART

This 3/4 life-size muscled arm model illustrates both the superficial and deeper muscles, five of which are removable. Tendons, vessels, nerves and bone components of the left arm and shoulder are shown in great detail on this high-quality muscle model. Delivered on removable stand.

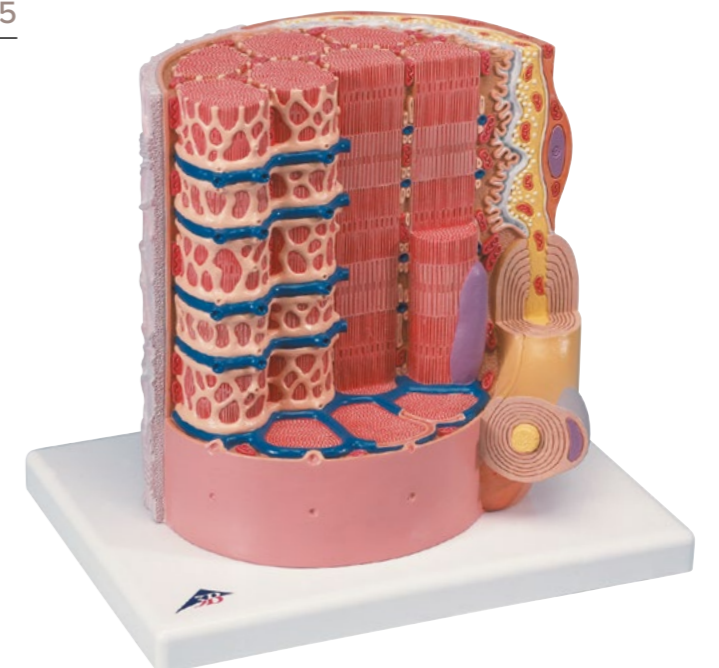
60 x 18 x 18 cm; 1.9 kg 1000015



3B SMART ANATOMY
3B MICROanatomy™ MUSCLE FIBER 10,000 TIMES MAGNIFIED

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. This high-quality muscle fiber replica brings a hands-on understanding of the human muscle to any classroom.

23.5 x 26 x 18.5 cm; 1.1 kg 1000213



› MANUFACTURED TO PRECISE ANATOMICAL DETAIL!

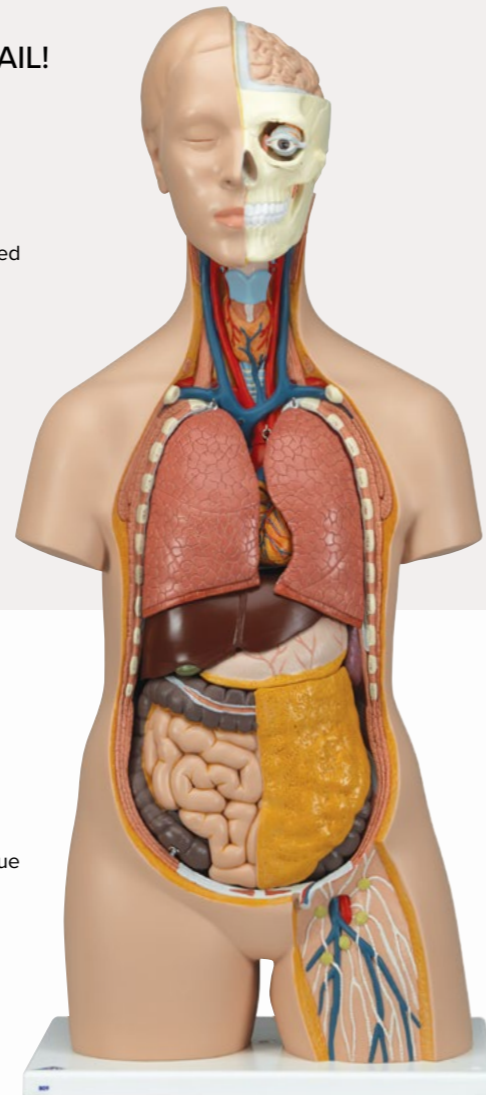
TORSO MODELS

High-quality models at great prices! 3B Scientific® torso models are:

- Non-toxic, extremely durable material for hands-on demonstrations hand-painted to show every detail in realistic colors
- Anatomical precision for medical education on every level

Choose from a variety of torsos with different features depending on your needs:

- Male
- Female
- Dual sex
- Different ethnicities
- Focusing on varying aspects of anatomy



3B SMART ANATOMY

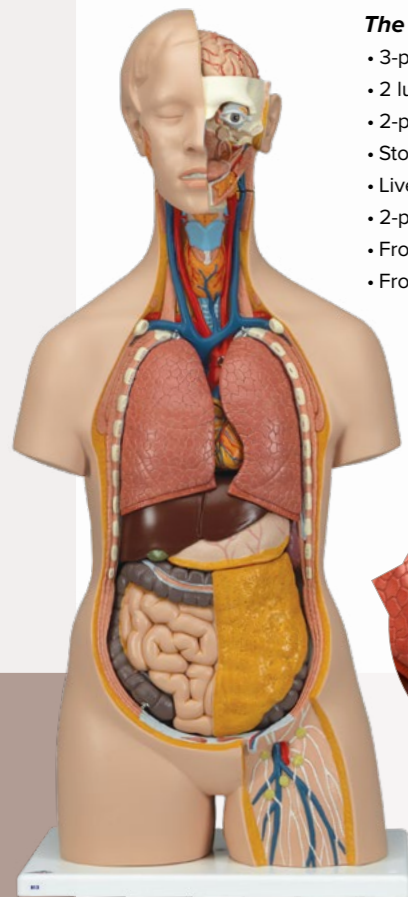
CLASSIC GENDER NEUTRAL TORSO, 14-PART

This 14-part anatomically correct human torso model is an educational tool of true quality. The gender neutral torso is hand-painted in true to life detail and made of high-quality plastic for hands-on education. It is mounted on a sturdy base so students can safely disassemble it.

The following parts can be removed:

- 3-part head
- 2 lungs
- 2-part heart
- Stomach
- Liver with gallbladder
- 2-part intestinal tract
- Front half of kidney
- Front half of urinary bladder

Light skin; 87 x 38 x 25 cm; 5.9 kg **1000190**



Parts can be removed easily for detailed study

3B SMART ANATOMY

CLASSIC GENDER NEUTRAL TORSO, 12-PART

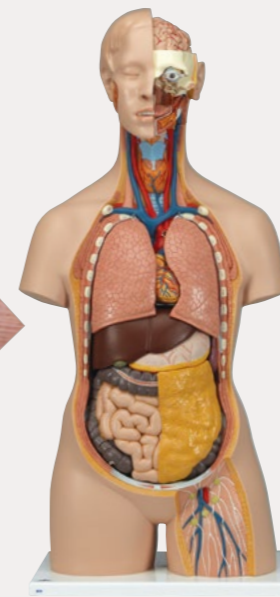
This gender neutral, life-size torso is hand-painted, true to detail, and made of high-quality plastic.

The following components are removable and reveal the inner anatomy:

- 2-part head
- 2-part removable heart
- 2 lungs
- Stomach
- Liver with gallbladder
- 2-part intestinal tract
- Front half of kidney

Light skin; 87 x 38 x 25 cm; 4.6 kg **1000186**

Opened back reveals the anatomy of the spine from cerebellum to coccyx



3B SMART ANATOMY

CLASSIC GENDER NEUTRAL TORSO WITH OPENED NECK AND BACK, 18-PART

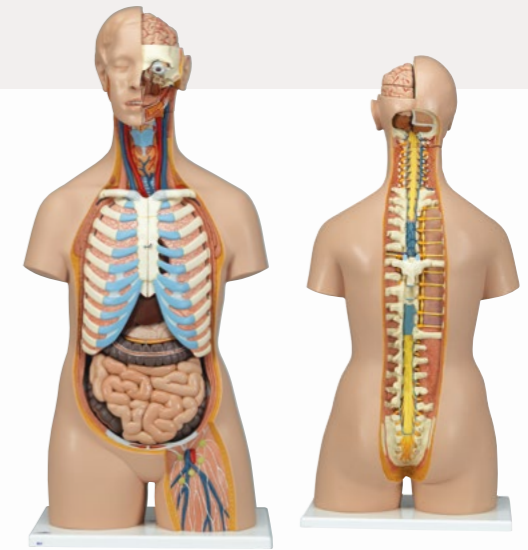
This human gender neutral torso model has the unique feature of an open neck and back section going from the cerebellum to the coccyx. Vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, and many other features are represented in detail in this hand-painted and highly detailed model.

Includes the following removable parts and organs:

- 7th thoracic vertebra removable
- 6-part head
- 2 lungs
- 2-part heart
- Stomach
- Liver with gallbladder
- 2-part intestinal tract
- Front half of kidney
- Front half of urinary bladder

Mounted on sturdy base for hands-on education.

Light skin; 87 x 38 x 25 cm; 5.8 kg **1000193**



3B SMART ANATOMY

CLASSIC GENDER NEUTRAL TORSO WITH OPEN BACK, 21-PART

This top of the line gender neutral torso comes with additional removable parts and an opened 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 in this detailed replica of the human anatomy. It is mounted on a sturdy base for safe anatomical demonstrations.

The following parts and organs can easily be removed:

- 7th thoracic vertebra removable
- 6-part head
- 2-part stomach
- 2 lungs
- 2-part heart
- Liver with gallbladder
- 4-part intestinal tract
- Kidney, half
- Bladder, half
- Open back
- Brain

Light skin; 87 x 38 x 25 cm; 6.5 kg **1000192**

3B SMART ANATOMY

CLASSIC GENDER NEUTRAL TORSO, 16-PART

This life-size human torso model comes with 16 removable parts, each hand-painted for amazingly realistic details.

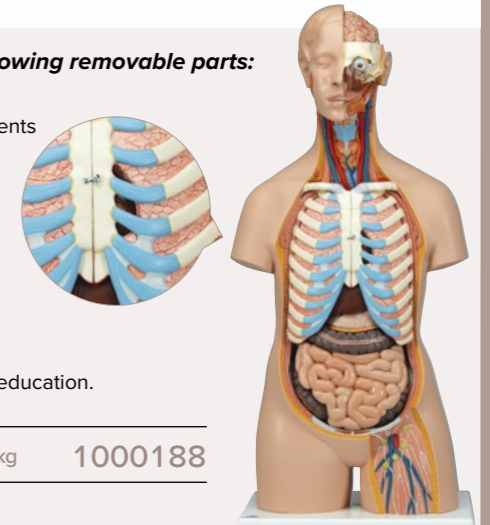
- Hand-painted for realistic colors and amazing detail
- Made of durable, high quality plastic
- 16 removable parts for closer study

The torso model contains the following removable parts:

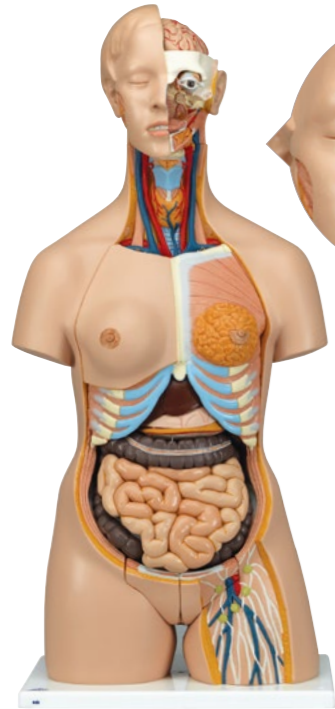
- 3-part head
- 2 lungs with sternum and rib attachments
- 2-part heart
- Stomach
- Liver with gallbladder
- 4-part intestinal tract
- Front half of kidney
- Front half of urinary bladder

Mounted on sturdy base for hands-on education.

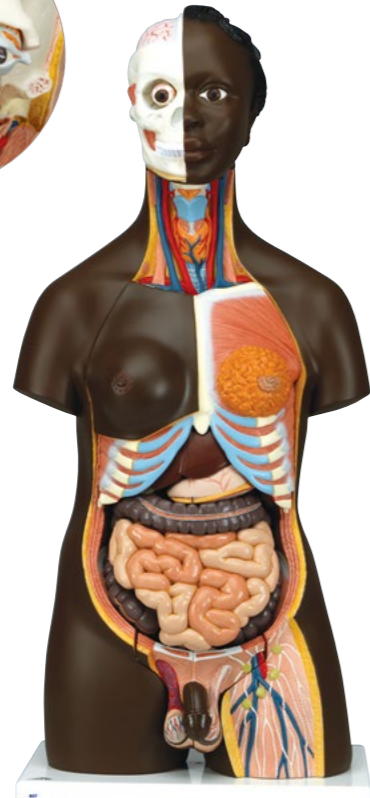
Light skin; 87 x 38 x 25 cm; 6.8 kg **1000188**



> DETAILED, INSIDE AND OUT!



3-part head with removable brain half and eye



3B SMART ANATOMY
DUAL SEX
TORSO, 24-PART

This life-size human torso model offers impressive detail with 24 removable parts. Use it to answer all questions regarding internal human anatomy. Manufactured for everyday use, extremely durable material for a long lasting demonstration model.

For close-up study the following parts and organs can be removed:

- 3-part head
- 2-part stomach
- 4-part intestinal tract
- Female chest wall
- 2 lungs
- 2-part heart
- Liver with gallbladder
- Front half of kidney
- 4-part male genital insert
- 3-part female genital insert with fetus

Hand-painted in realistic colors and mounted on sturdy base.

Light skin
87 x 38 x 25 cm; 7.5 kg **1000196**

3B SMART ANATOMY
DUAL SEX
TORSO, DARK
SKIN, 24-PART

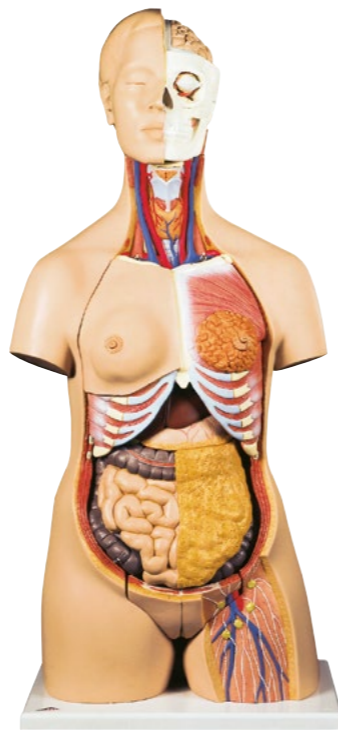
This life-size, deluxe human torso model comes with all features of the Dual Sex Torso, 24-part (1000196) but with dark skin.

87 x 38 x 25 cm; 7.5 kg **1000202**

3B SMART ANATOMY
ASIAN
APPEARANCE,
18-PART

Delivered with 1-part head and without female chest wall, all other features like the Dual Sex Torso, 20-part, 1000197.

1000199



3B SMART ANATOMY
DUAL SEX
TORSO,
20-PART

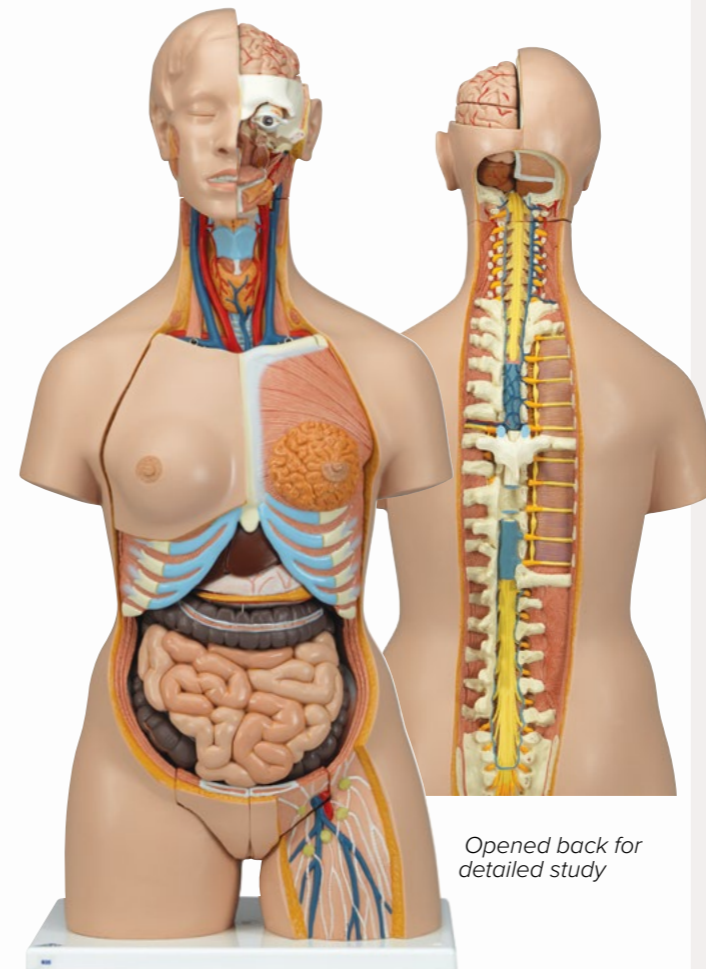
Detailed demonstration model for human anatomy focusing on inner organs. All parts are easy to remove and the torso can be switched from male to female easily!

This life-size, high-quality human torso contains these removable parts and organs:

- 2-part head
- Female chest wall
- 2 lungs
- 2-part heart
- Stomach
- Liver with gallbladder
- 2-part intestinal tract
- Front half of kidney
- 4-part male genital insert
- 3-part female genital insert with fetus

All organs are hand-painted for a quality product with realistic colors. Delivered on sturdy base.

Light skin
87 x 38 x 25 cm; 7.3 kg **1000197**



Opened back for detailed study

3B SMART ANATOMY
DUAL SEX TORSO WITH
OPENED BACK, 28-PART

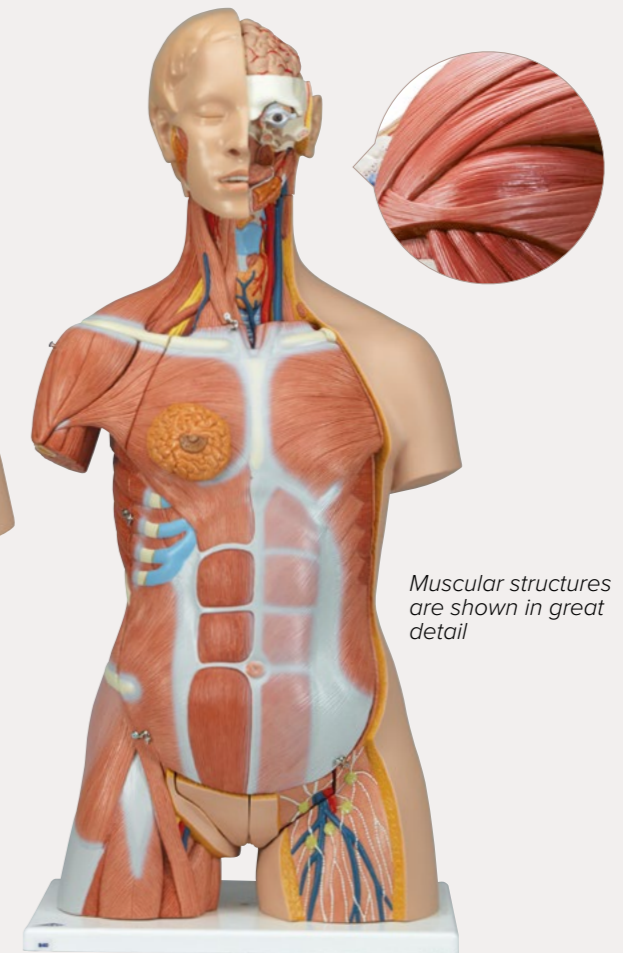
This life-size human torso model comes complete with removable male and female genital inserts, opened neck and back section to study vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, and a deluxe head with a 4-part brain.

The following parts and organs can be removed for detailed study:

- 7th thoracic vertebra
- Female chest wall
- 6-part head (incl. 4-part brain)
- Female breast covering
- 2 lungs
- 2-part heart
- 2-part stomach
- Liver with gallbladder
- 4-part intestinal tract
- Front half of kidney
- 4-part male genital insert
- 3-part female genital insert with fetus

Delivered on sturdy base.

Light skin; 87 x 38 x 25 cm; 7.6 kg **1000200**



Muscular structures are shown in great detail

3B SMART ANATOMY
DUAL SEX MUSCLE
TORSO, 31-PART

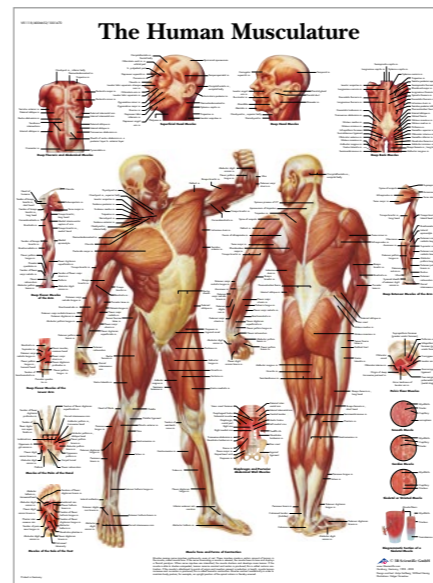
This life-size torso depicts both the superficial and deep muscles in great detail. The two main muscles, the deltoid and gluteus maximus can easily be removed for closer studies. You can also study the vertebrae, the spinal cord, spinal nerves and vertebral arteries, exchange the male and female genital inserts, discover the internal structures of the brain and much more.

The following parts can be removed:

- 6-part head
- Chest and abdominal wall with muscles
- 7th thoracic vertebra
- Female mammary gland
- Gluteus maximus and deltoid muscle
- 2 lungs
- 2-part heart
- 2-part stomach
- Liver with gallbladder
- 4-part intestinal tract
- Front half of kidney
- 3-part female genital insert with fetus
- 4-part male genital insert

Mounted on sturdy base. Light skin.

Light skin; 87 x 38 x 25 cm; 8.5 kg **1000203**



THE HUMAN MUSCULATURE

Laminated 1001470
Paper Version 4006652

3B SMART ANATOMY LIFE-SIZE MUSCLE TORSO, 27-PART

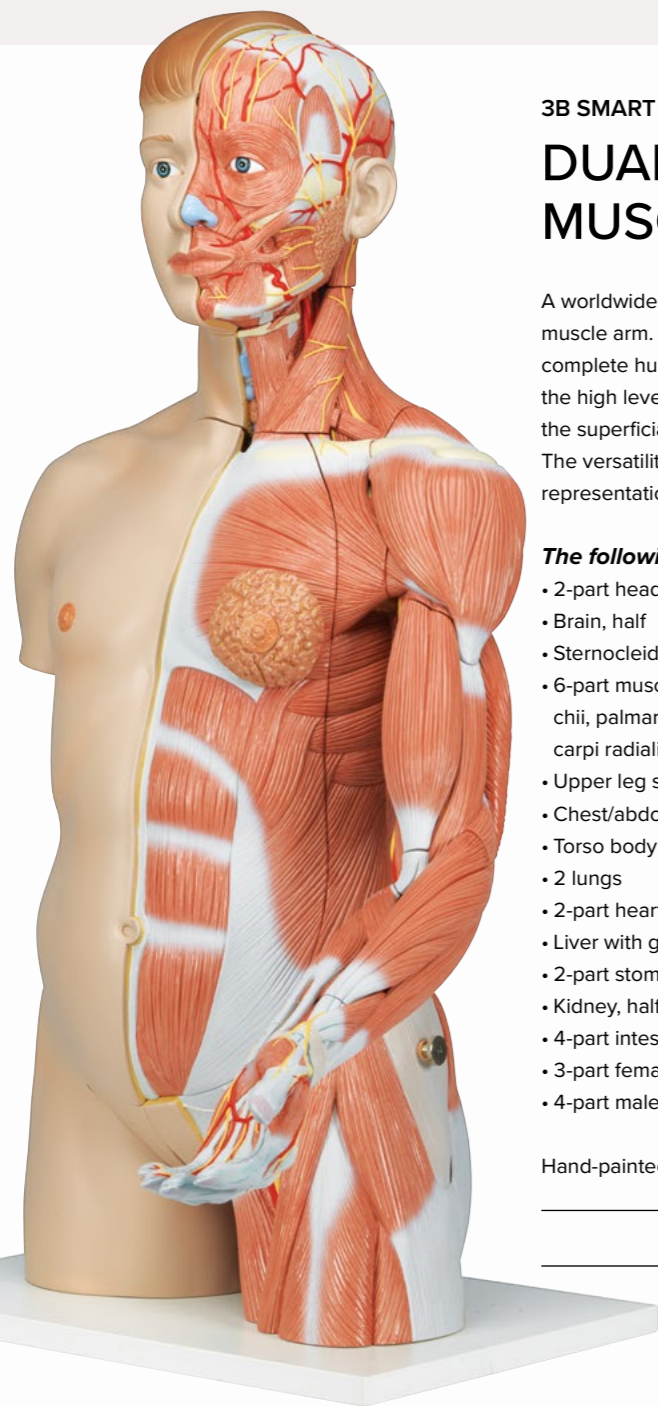
This life-size muscle torso shows the deep and superficial muscles in great anatomical detail. Its anatomical precision and realism make it an outstanding tool for demonstration, even in large lecture halls.

For detailed study and to reveal inner structures, the following pieces can be removed easily:

- Skull cap
- 6-part brain
- Eyeball with optic nerve
- Chest/abdominal wall
- 2-part larynx
- 2 lungs
- 2-part heart
- Diaphragm
- 2-part stomach
- Liver with gallbladder
- Complete intestinal tract with appendix
- Front half of kidney
- Half urinary bladder
- 4 muscles

Delivered on sturdy base.

95 x 60 x 35 cm; 14 kg 1001236



3B SMART ANATOMY

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 top-of-the-line model fully represents the anatomy of the complete human upper body. Its great detail makes it especially suitable for the high levels of medical education. 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.

The following parts can easily be removed for closer study:

- 2-part head
- Brain, half
- Sternocleidomastoideus muscle
- 6-part muscle arm (removable muscles: deltoid, biceps brachii, triceps brachii, palmaris longus with flexor carpi radialis, brachioradialis with extensor carpi radialis)
- Upper leg stump
- Chest/abdominal wall with detachable mammary gland
- Torso body
- 2 lungs
- 2-part heart
- Liver with gallbladder
- 2-part stomach
- Kidney, half
- 4-part intestinal tract
- 3-part female genital insert with fetus
- 4-part male genital insert

Hand-painted for great detail and realistic colors, delivered on sturdy base.

Light skin; 90 cm; 22.8 kg 1000205

3B SMART ANATOMY

ASIAN DUAL SEX TORSO WITH MUSCULAR ARM, 33-PART

This life-size human torso model comes with all features of the 1000205 Dual Sex Torso with Muscle Arm, but in Asian appearance.

90 cm; 22.8 kg 1000204



Each disc can be rotated horizontally for closer study from any angle



3B SMART ANATOMY

**MRI TORSO,
15 TRANSVERSE SECTIONS**

This unique MRI torso is horizontally sectioned into 15 slices, giving a distinctive view of human anatomy. The topographical relationships of the torso are represented as colored reliefs on the individual sectional planes. For a closer study of the internal anatomy of the torso, each disc can be shifted horizontally and rotated around its sagittal axis. Each disc within the MRI torso can be individually removed. This model results in a brand-new understanding of human anatomy that is both interesting and engaging for students. This MRI torso is a great addition to any medical classroom!

130 x 40 x 35 cm; 19 kg **1001237**

**HEAVY DUTY PROTECTIVE
COVER FOR TORSOS**

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.

1020762



> LOOKING FOR A SMALLER ALTERNATIVE FOR YOUR DESK?

3B SMART ANATOMY

**MINI-TORSO,
12-PART**

At approximately half life-size, this mini human torso model still shows great detail!

The following parts can be removed:

- 2-head halves
- Brain, half
- 2 lungs
- 2-part heart
- Stomach
- Liver with gallbladder
- 2-part intestinal tract

If you want quality on a budget this mini torso model is for you!

54 x 24 x 18 cm; 1.89 kg **1000195**

**3B SCIENTIFIC® TORSO GUIDE
(not shown)**

Already included with most torso model purchases.

- Brilliantly colored pictures of each part of the torso, explaining even the smallest structures
- Includes teaching tips to create even more interesting lessons
- Complete in 7 different languages: Latin, English, German, Spanish, Portuguese, French, and Japanese.

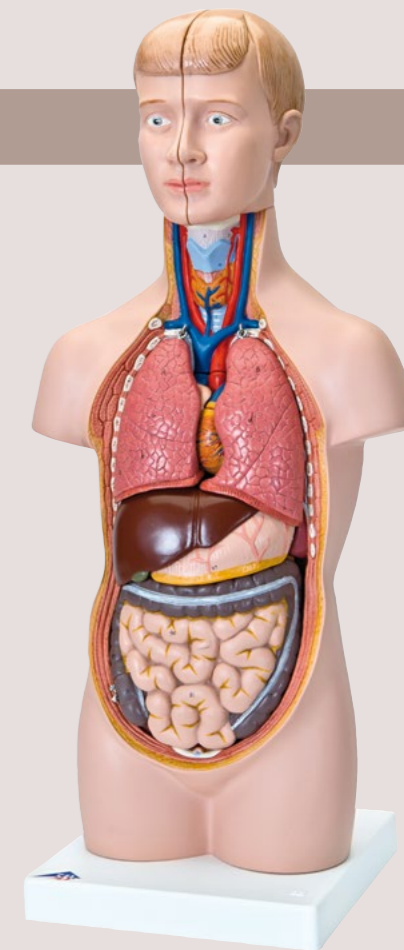
Includes CD-ROM to assist in creating tests or preparing lessons

1000183

**3B SCIENTIFIC®
TORSO-CLASSROOM SET (not shown)**

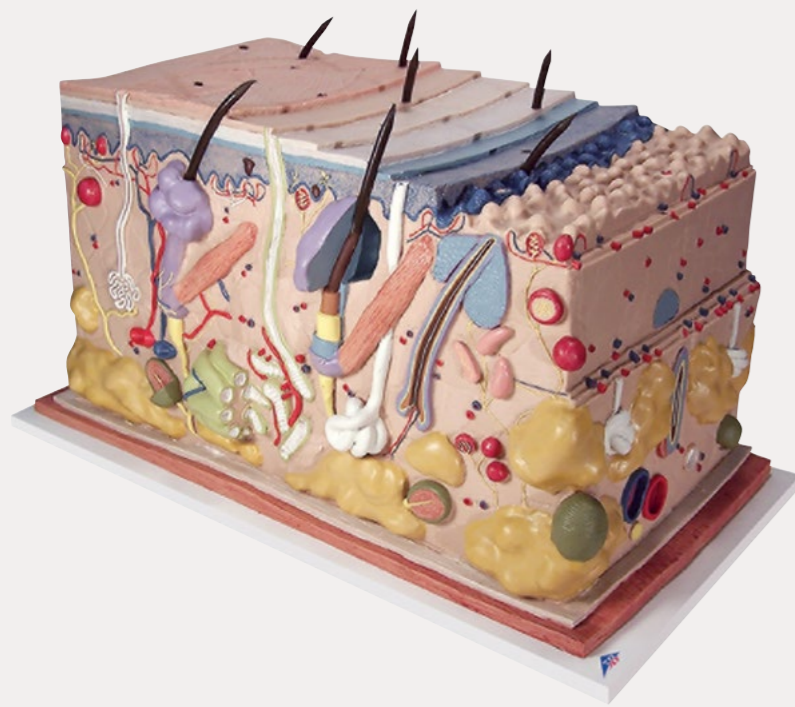
Includes 33 brilliant overhead-transparencies with colored pictures of each part of the torso.

1000184



TORSO COMPARISON GUIDE

Item No.	1000186	1000190	1000188	1000193	1000192	1000196	1000197	1000199	1000200	1000202	1000203	1000204	1000205	1000195
Page	52	52	53	53	53	54	54	54	55	54	55	56	56	58
Individual Parts	12	14	16	18	21	24	20	18	28	24	31	33	33	12
Open Back, revealing spine	-	-	-	✓	✓	-	-	-	✓	-	✓	-	-	-
Head can be disassembled into	2-part	3-part	3-part	6-part	6-part	3-part	2-part	1-part	6-part	3-part	6-part	3-part	3-part	3-part
Lung can be opened to reveal internal anatomy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rib Cage shown	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Heart can be disassembled into	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part	2-part
Stomach can be disassembled into	1-part	1-part	1-part	1-part	2-part	2-part	1-part	1-part	2-part	2-part	2-part	2-part	2-part	1-part
Liver / Gallbladder can be taken out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intestinal Tract can be disassembled into	2-part	2-part	4-part	2-part	4-part	4-part	2-part	2-part	4-part	4-part	4-part	4-part	4-part	2-part
Half Kidney can be opened to reveal internal anatomy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Half Urinary Bladder can be opened to reveal internal anatomy	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Muscular Arm included	-	-	-	-	-	-	-	-	-	-	-	6-part	6-part	-
Female Breast Covering can be taken apart	-	-	-	-	-	1-part	1-part	1-part	1-part	1-part	2-part	2-part	2-part	-
Gender Neutral	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓
Dual Sex	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-
Male Genitals can be disassembled into	-	-	-	-	-	4-part	4-part	4-part	4-part	4-part	4-part	4-part	4-part	-
Female Genitals can be disassembled into	-	-	-	-	-	3-part	3-part	3-part	3-part	3-part	3-part	3-part	3-part	-
Skin Tone	Light	Light	Light	Light	Light	Light	Light	Asian	Light	Dark	Light	Asian	Light	Light
Life-size	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1/2
3B Smart Anatomy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



> OPEN PAGE 4 TO LEARN MORE ABOUT 3B SMART ANATOMY.

3B SMART ANATOMY
**SKIN SECTION,
40 TIMES FULL-SIZE**

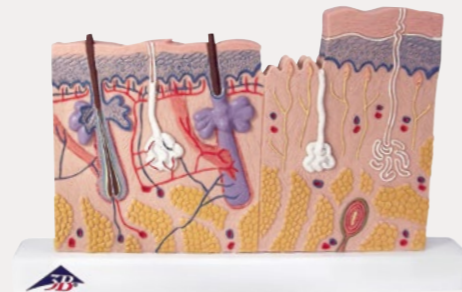
The two halves of this relief model show the three layers of hairy and hairless skin in order to make the differences clear. Detailed with hair follicles, sebaceous glands, sweat glands, receptor, nerves, erector pili muscles, and vessels. Mounted on a base.

24 x 15 x 3.5 cm; 0.2 kg 1000290

3B SMART ANATOMY
**SKIN 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 1000291



3B SMART ANATOMY
**SKIN, HAIR AND NAIL
MICROSCOPIC STRUCTURES**

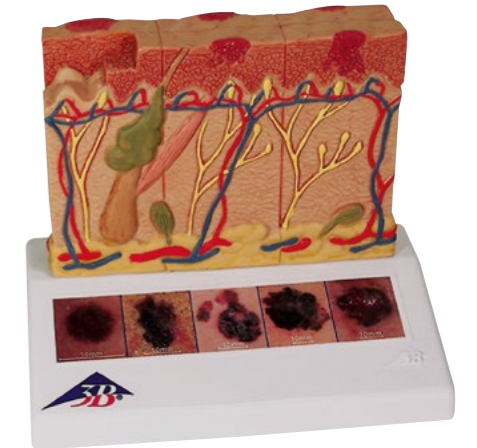
This model shows the microscopic structure of the skin in great detail. Both hairless and hairy skin structure are shown as well as the different cell layers of the skin, embedded sweat glands, touch receptors, blood vessels, nerves, erector pili muscle, and a hair follicle. Additionally, it includes a section of nail depicting the nail plate, bed, and root, as well as a representation of a hair root with all of its cellular layers.

10 x 12.5 x 14 cm; 0.35 kg 1000292

3B SMART ANATOMY
SKIN CANCER MODEL

In the top view of the skin cancer model, the individual stages of externally visible skin changes are shown, allowing for an assessment according to the ABCDE criteria. The sides of the skin cancer model show the various levels of invasion into the skin layers according to Clark (I-V) and the tumor thickness according to Breslow (in mm). Five original color illustrations on the base of the skin cancer model show various types of malignant melanomas. Comes mounted on a base.

14 x 10 x 11.5 cm; 0.2 kg 1000293



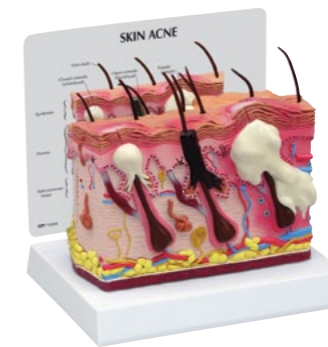
3B SMART ANATOMY
**SKIN SECTION,
70 TIMES
LIFE-SIZE**

This relief model shows a section through the three layers of the hair-covered skin of the head:

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

Delivered on base.

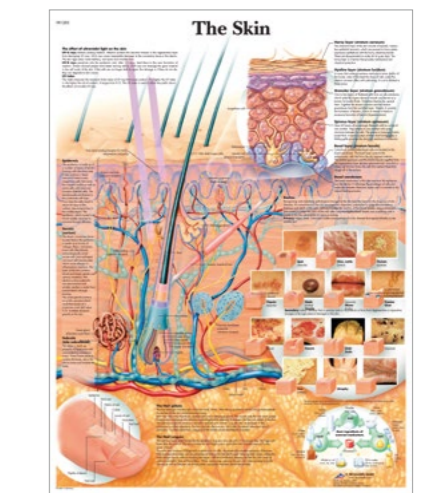
26 x 33 x 5 cm; 1 kg 1000289



**SKIN ACNE
MODEL,
2-SIDED**

Enlarged two-sided skin cross-section model. The "acne" side displays three conditions: whitehead, blackhead and pustule/cyst. The reverse side illustrates normal skin anatomy.

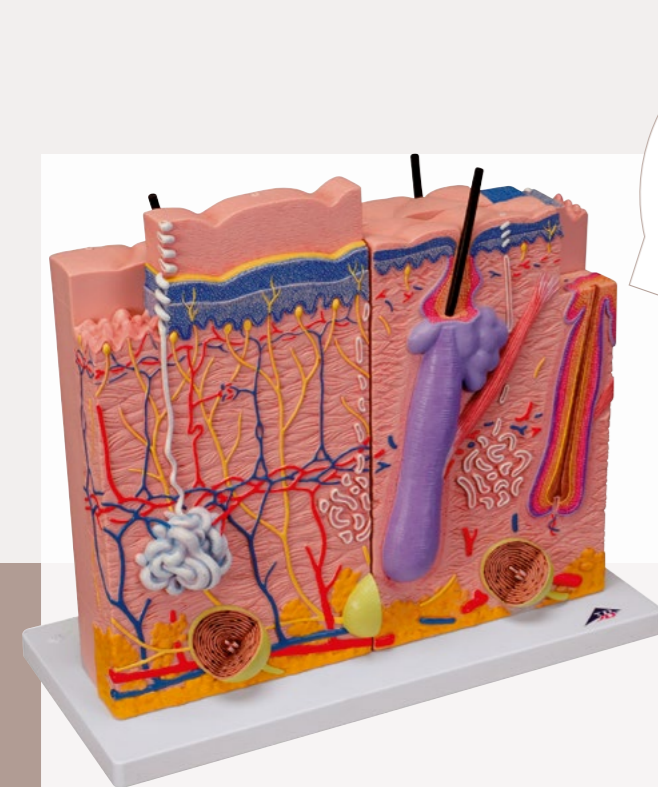
15.2 x 5.7 x 10.2 cm 1019568



3B SCIENTIFIC®
**POSTER
– THE SKIN**

The anatomy of the human skin, including all skin layers, as well as some common skin pathologies are displayed. Laminated.

50 x 67 cm 1001512



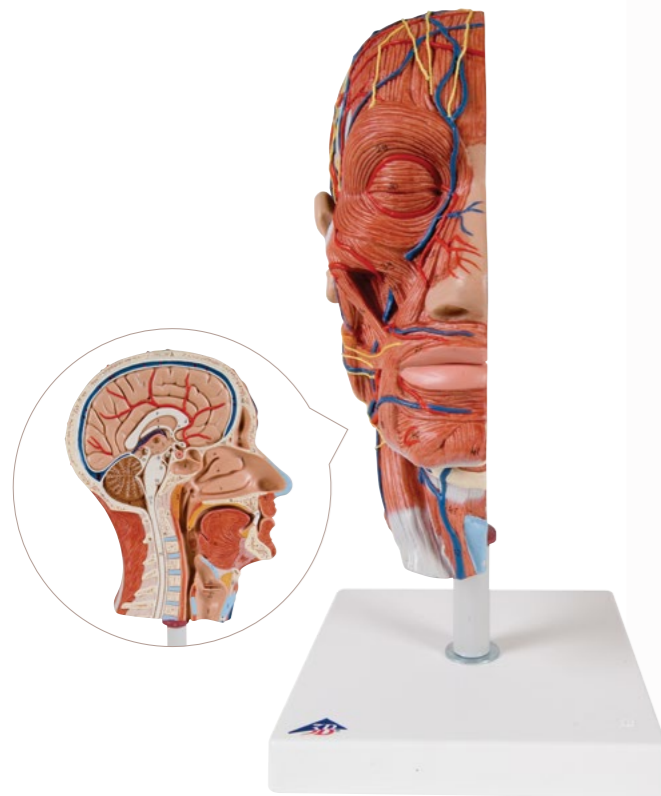
3B SMART ANATOMY
SKIN MODEL, 3-PART

The skin is shown 80 times magnified, so even the smallest structures can be seen in detail. It can be taken apart easily thanks to magnetic connections for better demonstration, and represents the three most important sections of skin:

- Palm of the hand
- Back of the hand
- Scalp

34 x 39 x 15.5 cm; 2.05 kg 1000294

> 3 MODELS IN 1!



› YOU CAN DEPEND ON
3B SCIENTIFIC® ANATOMICAL MODELS:

- + Carefully cast and hand-painted by skilled craftsmen
- + Manufactured to precise anatomical details
- + Extremely durable thanks to high-quality material
- + Non-toxic for everyday, hands-on use

3B SMART ANATOMY
CLASSIC GENDER
NEUTRAL TORSO, 14-PART

This high-quality model represents the outer, superficial, and the internal (median section) structures of head and neck. The half head with musculature is delivered on removable stand for easy display in a classroom or doctor's office. Presents the important anatomical structures.

22 x 18 x 46 cm; 1.1 kg 1000221

3B SMART ANATOMY
A. MEDIAN SECTION OF THE HEAD

Relief median section of the head shows all relevant structures of the human head in great detail. Delivered on a baseboard.

26 x 33 x 5 cm; 1 kg 1000219

3B SMART ANATOMY
B. HEAD SECTION MODEL

Frontal section through the human paranasal sinuses covered with mucous membrane. Signs of sinusitis (paranasal sinus inflammation) on the right, with normal ventilation of the left side. Delivered on baseboard.

41 x 31 x 5 cm; 1.45 kg 1012789

3B SMART ANATOMY
C. MEDIAN AND FRONTAL SECTION OF THE HEAD

The two relief models show the median and frontal section of the head. The two views of this high quality model show all important anatomical structures of the head in full detail. They include cross sections of the brain, spinal cord, and sinuses of the human head. Delivered on baseboard.

41 x 31 x 5 cm; 1.45 kg 1000220

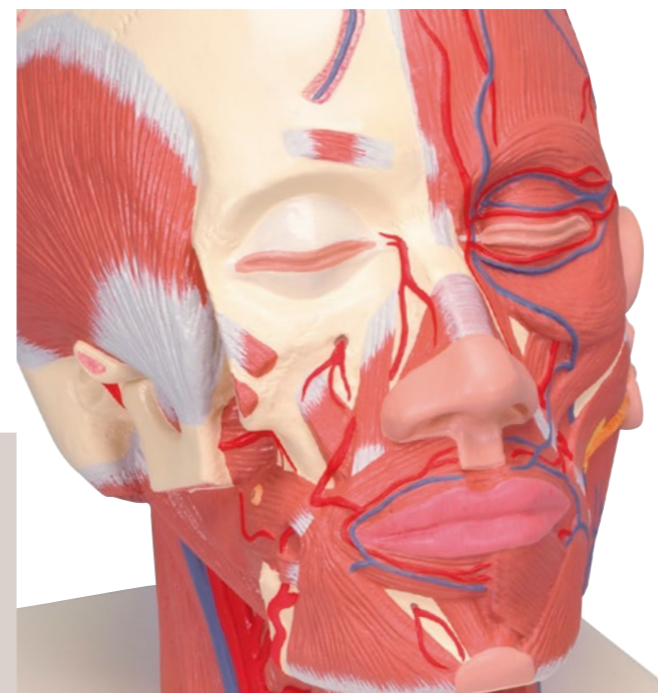
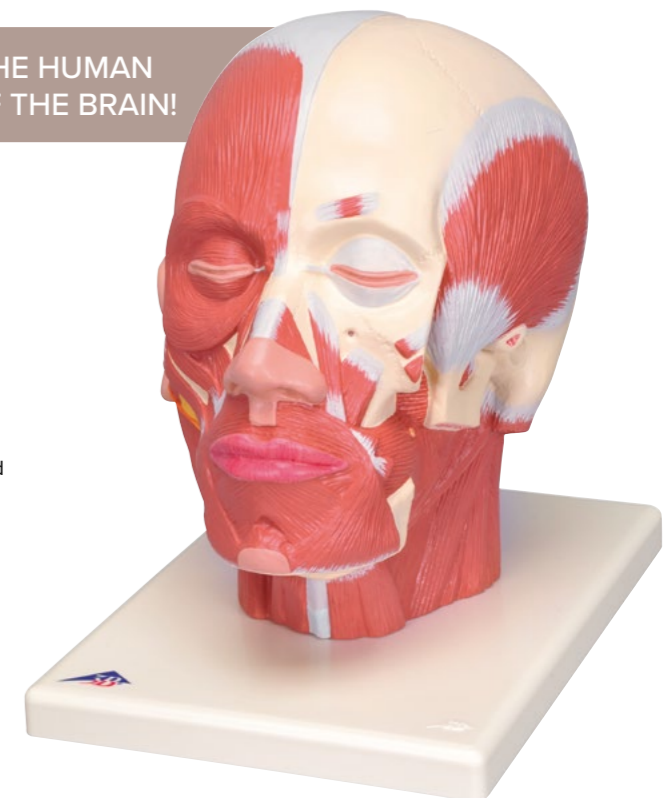
› GREAT TOOLS FOR EDUCATION ON THE HUMAN
NERVOUS SYSTEM AND ANATOMY OF THE BRAIN!

3B SMART ANATOMY
CLASSIC GENDER
NEUTRAL TORSO,
14-PART

This head model represents the superficial musculature of head and neck, showing:

- Parotid gland
 - Submandibular gland
 - Deep musculature
 - Lower jaw partially exposed
- Mounted on base.

24 x 18 x 24 cm; 1.2 kg 1001239



3B SMART ANATOMY
HEAD MUSCULATURE
WITH BLOOD VESSELS

In addition to the features of the classic head musculature model, this version also shows the blood vessels on the head. Mounted on base.

24 x 18 x 24 cm; 1.2 kg 1001240



3B SMART ANATOMY
HEAD MUSCULATURE
WITH NERVES

In addition to the classic head musculature model, this version also shows the nerves on the head. Mounted on base.

24 x 18 x 24 cm; 1.2 kg 1008543



3B SMART ANATOMY
HEAD AND NECK MUSCULATURE, 5-PART

This model shows a realistic representation of the superficial musculature and deep muscles, nerves and vessels of a human head and neck in life-size. It can easily be disassembled into skull cap and 3-part brain. Anatomical details are painted on the model for easy identification with the help of the product manual. On base.

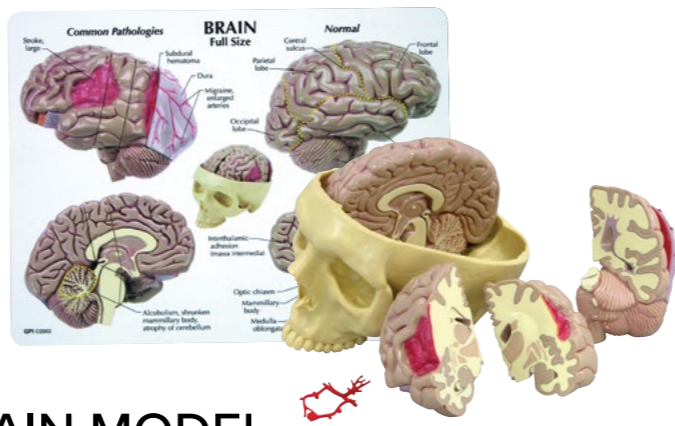
36 x 18 x 18 cm; 1.8 kg 1000214



3B SMART ANATOMY
ASIAN HEAD WITH NECK, 4-PART

Same features and details like the 1000216 but with Asian appearance. Supplied on baseboard

26 cm; 2.2 kg 1000215



BRAIN MODEL

Full-size segmented brain model features half normal side and three-piece sectioned pathology half, as well as Circle of Willis with aneurysm. The brain, which sits inside a partial skull, features the following pathologies which are also illustrated on a two-sided education card: alcoholism, Alzheimer's, aneurysm, depression related tumor, seizure related tumor, migraine, multiple sclerosis, Parkinson's disease, stroke, and subdural hematoma.

12.7 x 17.1 x 12.7 cm 1019542



3B SMART ANATOMY
HEAD WITH NECK, 4-PART

This life-size and detailed head model is midsagittally sectioned, and while the right side shows a realistic looking face, the left side reveals the muscles, nerves, vessels, and bony structures of the head. For in-depth study, the model contains a removable brain half. The neck is detachable and sectioned both horizontally and diagonally. Caucasian appearance. Supplied on baseboard.

26 cm; 2.2 kg 1000216



Skull base with additional details

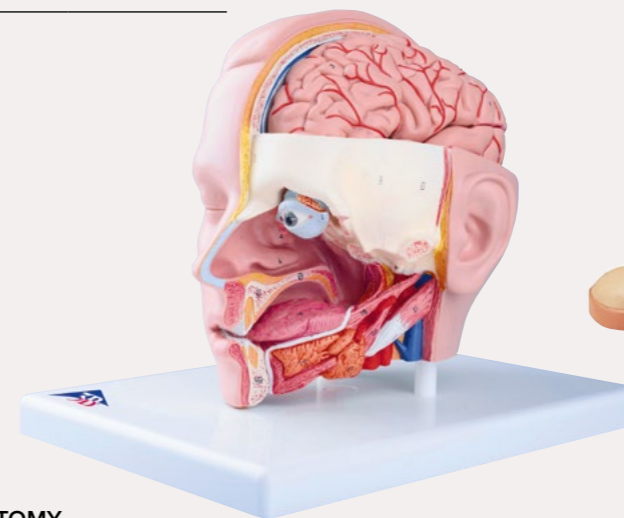
3B SMART ANATOMY
BRAIN WITH ARTERIES ON BASE OF HEAD, 8-PART

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
 - Half of brain stem
 - Half of cerebellum
- On base.

15 x 15 x 23 cm; 1.6 kg 1017869



3B SMART ANATOMY
HEAD MODEL, 6-PART

This head model meets the highest standard requirements of medical education! It is life-size, comes with 6 removable parts and is mounted on a base. Included is a removable 4-part brain half with arteries. The eyeball with optic nerve is also removable for detailed study. One side exposes the nose, mouth cavity, pharynx, occiput, and skull base.

19 x 23 x 22 cm; 1 kg 1000217



3B SMART ANATOMY
BRAIN WITH ARTERIES, 9-PART

This brain model is a great tool for education on the human nervous system and anatomy of the brain. Delivered on a removable base for easy display in the classroom.

15 x 14 x 16 cm; 0.9 kg 1017868



3B SMART ANATOMY
HEAD AND NECK, 5-PART

This brain model is a great tool for education on the human nervous system and anatomy of the brain. Delivered on a removable base for easy display in the classroom.

38 x 36 x 25 cm; 3 kg 1005536



> 3B SCIENTIFIC® BRAIN MODELS HAVE BEEN CAST FROM REAL SPECIMENS AND ACCURATELY REPRESENT EVEN THE FINEST STRUCTURAL DETAILS.

- + Magnetic connections for easy demonstrations
- + Highest quality material for long lasting models
- + Hand-painted and manufactured to precise anatomical detail



3B SMART ANATOMY
CLASSIC BRAIN, 5-PART

This midsagittally sectioned model is an original anatomical cast of a real human brain.

The components of the brain's left half are:

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

Delivered on removable stand.

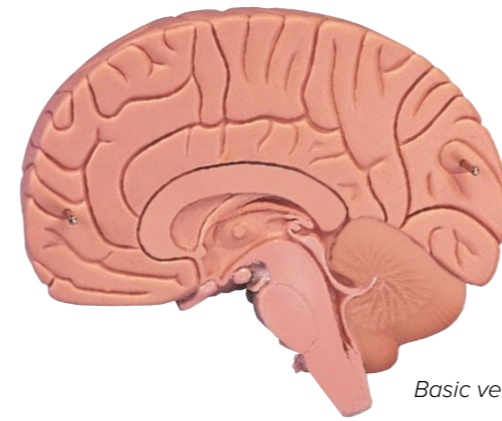
13 x 14 x 17.5 cm; 0.9 kg 1000226

Compatible with the following skull models:
1020159, 1020163, 1020164, 1020165,
1020166, 1020167, 1020168, 1020169

> SEE PAGES 40-45



> TO SEE ADDITIONAL IMAGES AND TO ZOOM IN ON DETAILS, PLEASE VISIT 3BSCIENTIFIC.COM



Basic version

3B SMART ANATOMY
INTRODUCTORY BRAIN MODEL, 2-PART

This basic brain is medially divided, anatomically accurate, and life-size! The structures of the brain are shown in one color, providing an introduction to the human nervous system and anatomy of the brain. This introductory brain is delivered on removable base.

15 x 14 x 17.5 cm; 0.7 kg 1000223

3B SMART ANATOMY
BRAIN MODEL, 4-PART

This 4-part brain is medially divided. All structures of the brain are hand-painted.

The brain's right half can be disassembled into:

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

Delivered on a removable base.

14 x 14 x 17.5 cm; 0.9 kg 1000224



Contrasting colors for easy identification

3B SMART ANATOMY
BRAIN MODEL, 2-PART

Contrasting colors are used to indicate various anatomic structures in this medially divided human brain, making this high quality model perfect for beginning anatomy studies of the human brain. On removable base.

15 x 14 x 17.5 cm; 0.7 kg 1000222



8 parts, for detailed studies

3B SMART ANATOMY
BRAIN MODEL, 8-PART

A very detailed model of the human brain which is medially divided.

Both halves of this brain can be disassembled into:

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

Delivered on a removable base.

14 x 14 x 17.5 cm; 0.9 kg 1000225



3B SMART ANATOMY

NEURO-ANATOMICAL BRAIN, 8-PART

This deluxe brain is medially divided. On the right half of this brain, you will find a systematically colored grouping and representation of the cerebral lobe.

The left half of the brain shows:

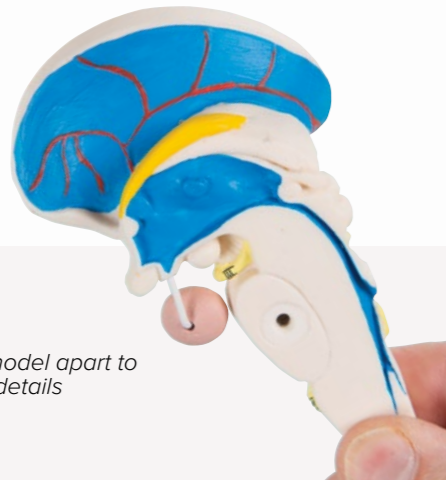
- Pre- and post-central region
- Broca and Wernicke areas
- Heschl's gyrus
- Brain nerves
- Ventricles

The right half of the brain shows:

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

Delivered on a removable base.

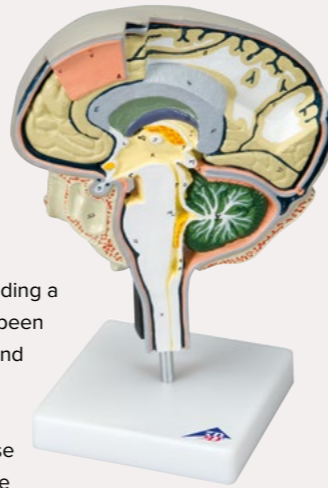
14 x 14 x 17.5 cm; 0.95 kg 1000228



Take the model apart to see more details

BRAIN SECTION MODEL

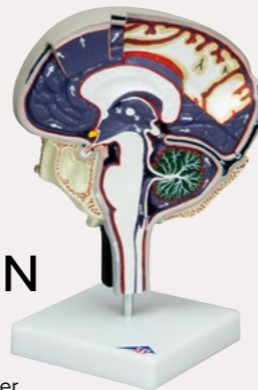
An enlarged and very detailed section through the right half of the brain, including a portion of the skull. The pia mater has been removed. This model is double sided and finely colored. One surface is on the median line, including a section of the falx cerebri. A sagittal cut on the reverse side exposes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



25 x 18 x 12 cm; 0.9 kg 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 distinguish important features; identified in English in the product manual. Mounted on stand.



25 x 18 x 12 cm; 0.9 kg 1005114

3B SMART ANATOMY

BRAIN VENTRICLE

This model shows both side ventricles of the brain, the 3rd and 4th ventricle and the Aquaeductus cerebri (Sylvius). The brain ventricles are life-size and the model is delivered on stand.

14 x 11 x 14 cm; 0.6 kg 1001262



GIANT FUNCTIONAL-CENTER BRAIN, 4-PART

This popular brain model reproduces the brain of a right-handed person. It employs contrasting colors and hand-painted 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.

- Distinguishment of sensory regions and centers receptive to 20 specific body regions
- Distinguishment of motor centers controlling 19 body regions
- More than 120 hand-numbered features identified in the manual

Delivered on base.

23 x 20 x 30 cm; 2.38 kg 1005555

> TRUE HANDS-ON EDUCATION WITH THIS OVERSIZED BRAIN MODEL!

3B SMART ANATOMY

GIANT BRAIN, 2.5 TIMES FULL-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.

- Unbreakable – Natural cast made from durable vinyl
- 14 removable segments secured with pins
- Ideal for 3D study of brain structures

Includes removable base.

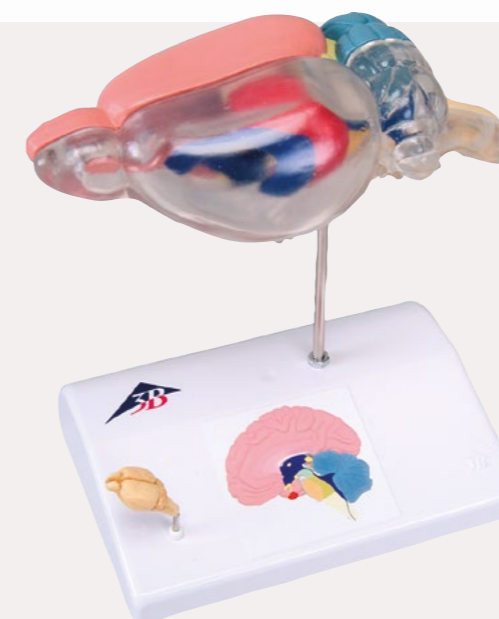
34 x 30 x 37 cm; 5.6 kg 1001261



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 brainstem. The left half is mostly transparent to reveal 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. Distinguishment of sensory regions and centers receptive to 20 specific body regions.

14 x 10 x 16 cm; 0.24 kg 1000230





3B SMART ANATOMY

NERVOUS SYSTEM, 1/2 LIFE-SIZE

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

Delivered on baseboard.

80 x 33 x 6 cm; 3.5 kg 1000231

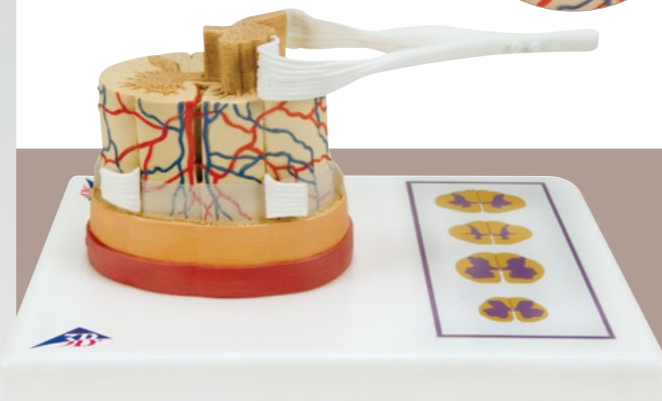
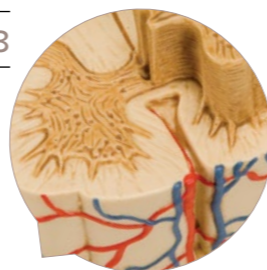
3B SMART ANATOMY

SPINAL CORD MODEL, 5 TIMES LIFE-SIZE

The model illustrates the composition of the spinal cord with nerve endings. For easier study, the model is 5 times life-size. The spinal cord is formed by a central channel surrounded by "gray matter" with an outer layer of "white matter". The base of the model features illustrations of the various cross-sections of the spinal cord through the white and gray matter at the neck, torso, lumbar, and sacral regions.

Supplied on a base.

26 x 19 x 13 cm; 0.4 kg 1000238



3B SMART ANATOMY

PHYSIOLOGY OF NERVES SERIES

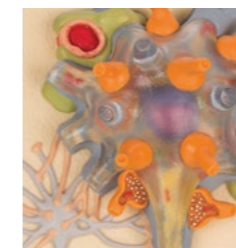
Unique five-model series for education about the human nervous system. Interchangeable sections can be assembled to illustrate the features of typical neurons found in vertebrates. All sections depict the neural components in vivid colors and attach magnetically to the illustrated metal base.

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

68 x 51 x 3 cm; 4.2 kg 1000232

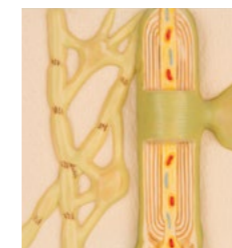
Individual sections:



3B SMART ANATOMY NEURON CELL BODY
Typical neuron body with cell organelles.

12.2 x 11.7 x 6.2 cm;
0.2 kg

1000233



3B SMART ANATOMY MYELIN SHEATHS OF THE CNS
Glial cells which build the insulating layer around the axons of the central nervous system.

12.2 x 11.7 x 3.6 cm;
0.2 kg

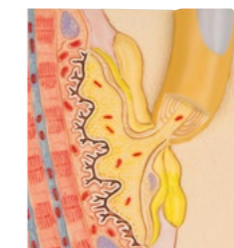
1000234



3B SMART ANATOMY SCHWANN CELLS OF THE PNS
Schwann cell with sectioned core.

12.2 x 11.7 x 6.2 cm;
0.2 kg

1000235



3B SMART ANATOMY MOTOR END PLATE
Depicts the neuromuscular junction with striated muscle fibre.

12.2 x 11.7 x 6.2 cm;
0.2 kg

1000236



3B SMART ANATOMY SYNAPSE
Features the endoplasmic reticulum, mitochondria, and the membranes of the synaptic gap.

12.2 x 11.7 x 6.2 cm;
0.2 kg

1000237

> MAGNIFIED OVER 2,500 TIMES!

MOTOR NEURON DIORAMA

This color-coded, 3D 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 fibre to action. Mounted on a wooden base.

43 x 20 x 28 cm; 3 kg 1005553





**3B SMART ANATOMY
EYE, 3 TIMES
LIFE-SIZE,
6-PART**

Can be disassembled into the following parts:

- Both halves of the sclera with cornea and eye muscle attachments
- Both halves of the choroid with iris and retina
- Eye lens
- Vitreous humor

9 x 9 x 15 cm; 0.1 kg 1000259



EYE MODEL

Oversized normal eye model with cutaway to show inner anatomy, including optic nerve, disc, macula, retina, central retinal artery and vein. Lens and cornea are removable.

12.7 x 7.6 x 10.2 cm 1019533



**3B SMART ANATOMY
EYE, 5 TIMES
LIFE-SIZE,
6-PART**

This advanced eye model comes on a base, the following parts are removable:

- Upper half of the sclera with cornea and eye muscle attachments
- Both halves of the choroid with iris and retina
- Lens
- Vitreous humor

13 x 14 x 21 cm; 0.6 kg 1000255



**3B SMART ANATOMY
EYE IN ORBIT,
5 TIMES
LIFE-SIZE,
7-PART**

- Upper half of the sclera with cornea and eye muscle attachments
- Both halves of choroid with iris and retina lens
- Vitreous humor
- Shown in bony orbit

18 x 18 x 20 cm; 1 kg 1000256



**3B SMART ANATOMY
EYE WITH EYELID,
5 TIMES LIFE-SIZE,
8-PART**

This larger-than-life eye model is great for studying the anatomy of the human eye!

Features:

- Upper half of the sclera with cornea and eye muscle attachments
- Both halves of choroid with iris and retina
- Eye lens
- Vitreous humor
- Eyelid
- Lachrymal system
- Anatomical features around the eyeball

20 x 18 x 21 cm; 1.2 kg 1000257



**3B SMART ANATOMY
EYE IN ORBIT,
3 TIMES LIFE-SIZE,
7-PART**

This large human eye model shows the optic nerve in its natural position in the bony orbit of the eye (floor and medial wall), internal structures of the brain, and much more.

For closer study, it can be disassembled into:

- Includes the extraocular muscles
- Both halves of the choroid with iris and retina
- Eye lens
- Vitreous humor
- Bony orbit

18 x 26 x 19 cm; 1.1 kg 1000258

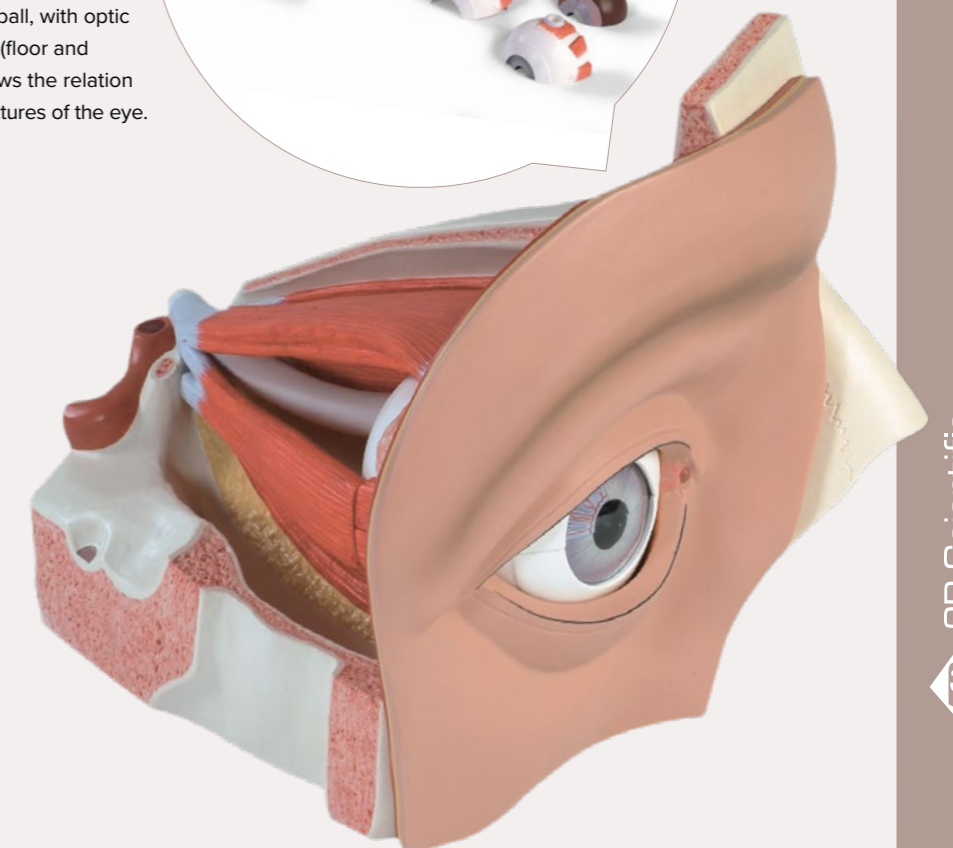
**3B SMART ANATOMY
EYE WITH
PARTIAL FACE,
5 TIMES LIFE-SIZE,
12-PART**

This 3B Scientific® eye model shows the eyeball, with optic nerve, in its natural position in the bony orbit (floor and medial wall). Additionally, this eye model shows the relation between eye, bones, muscles, and outer structures of the eye.

Dissects into:

- Two halves of the sclera
- Optic nerve
- M. rectus superior
- M. rectus lateralis
- Cornea half
- Eye lens
- Lachrymal system
- Vitreous humor
- Tear gland
- Associated structures

33 x 30 x 38 cm; 4.9 kg 1001264



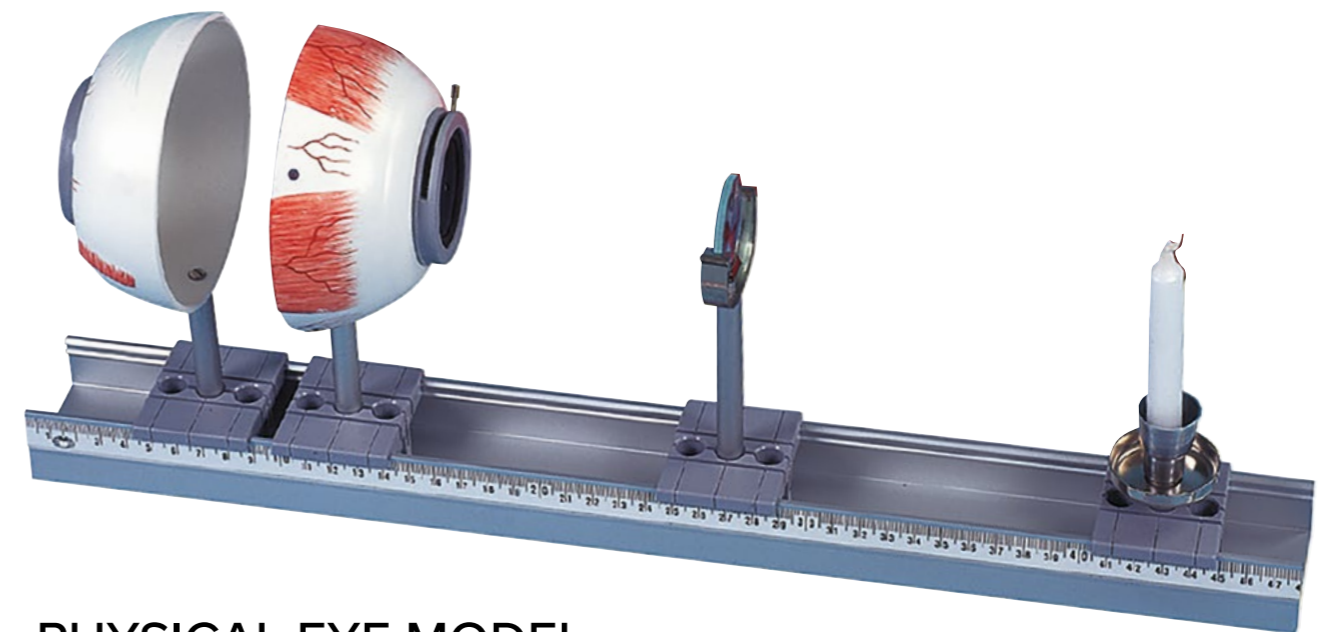


3B SMART ANATOMY
PATHOLOGICAL EYE, 5 TIMES LIFE-SIZE

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 cataract
- Cortical cataract
- Nuclear cataract
- Diabetic retinopathy
- Hypertensive retinopathy
- Papillary changes of glaucoma
- Age-related macular degeneration
- Papilloedema
- Central retinal arterial occlusion
- Central retinal venous occlusion
- Rhegmatogenous retinal detachment

26 x 26 x 21 cm; 0.73 kg **1017230**



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.

- 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

49 x 5.5 x 18 cm; 2 kg **1003806**



Inner nuclear layer and outer nuclear layer

3B SMART ANATOMY
3B MICROanatomy™ EYE

The model illustrates the microscopic structure of the retina with choroid and sclera:

- Left block: 850-times enlarged view of retina, includes supplying vascular layer and parts of the sclera
- Right block: 3800-times enlarged view of photo-receptors and cells of the pigmented layer

25 x 23 x 18.5 cm; 1.2 kg **1000260**



Retina and lens can be switched easily





3B SMART ANATOMY
**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 **1000252**



3B SMART ANATOMY
**EAR MODEL,
3 TIMES LIFE-
SIZE, 4-PART**

At approximately 3 times life-size, the model represents 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 **1000250**



3B SMART ANATOMY
**EAR MODEL,
5 TIMES LIFE-
SIZE, 3-PART**

This high quality human ear model represents outer, middle and inner ear.

- Removable eardrum with hammer, anvil and stirrup
 - 2-part labyrinth with cochlea and auditory/balance nerve Includes detail of two removable bone sections to close the middle and inner ear
- On base.

25 x 41 x 25 cm; 3 kg **1008553**



3B SMART ANATOMY
**ORGAN OF
CORTI**

The model shows a three dimensional section through the organ of Corti, the site of the sense of hearing in the inner ear in humans. Special attention has been given to the detailed representation of the individual cellular components and membranes. The overview model in the foreground also shows the exact location of the organ in the cochlea.

26 x 19 x 26 cm **1010005**



3B SMART ANATOMY
**OSSICLE
MODEL, 20
TIMES LIFE-SIZE
3B BONElike™**

The three smallest bones that are joined to each other in the human body are located in the middle ear and are referred to as the auditory ossicles: malleus (hammer), incus (anvil) and stapes (stirrup). Using a micro CT technique, an original cast was used to build this 20 times life-size model. In 3B BONElike™ quality.

17 x 12 x 21 cm; 0.39 kg **1009697**



3B SMART ANATOMY
**OSSICLE
MODEL – 20
TIMES LIFE-SIZE**

17 x 12 x 21 cm; 0.39 kg **1012786**

3B SMART ANATOMY
**WORLD'S
LARGEST EAR
MODEL,
15 TIMES LIFE-
SIZE, 3-PART**

The giant ear model 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; 72 kg **1001266**

> REMOVABLE PARTS FOR DETAILED STUDY OF THE ANATOMY OF THE HUMAN EAR!

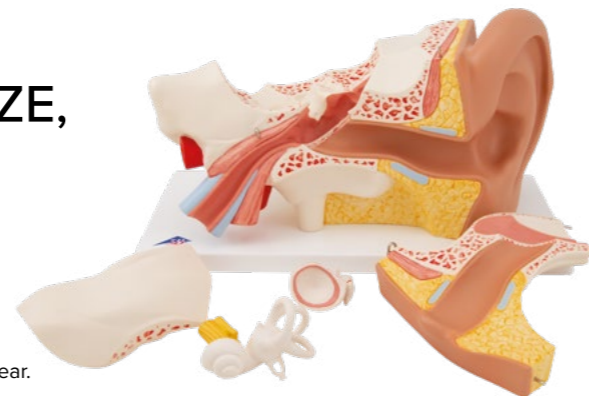
3B SMART ANATOMY
**EAR MODEL, 3 TIMES LIFE-SIZE,
6-PART**

This high quality human ear model represents outer, middle and inner ear.

Includes:

- Removable eardrum with hammer, anvil, and stirrup
 - 2-part labyrinth with cochlea and auditory/balance nerve
 - The detail of two removable bone sections to close the middle and inner ear.
- On base.

34 x 16 x 19 cm; 1.55 kg **1000251**



**CLEAR EAR
MODEL**

The Clear Ear Model is a full-size model of human ear is clear to aid viewing of ear canal, tympanic membrane, stapes, incus, malleus and cochlea of the inner ear.

7.9 x 7.6 x 5.8 cm **1019527**



EAR MODEL

This Ear Model is a full size normal model shows semi-circular canals and cochlea of the inner ear, auditory ossicles from the middle ear, tympanic membrane, temporal and tensor tympani muscles.

9.5 x 6.4 x 7 cm **1019526**



**OSSICLE MODEL
– LIFE-SIZE**

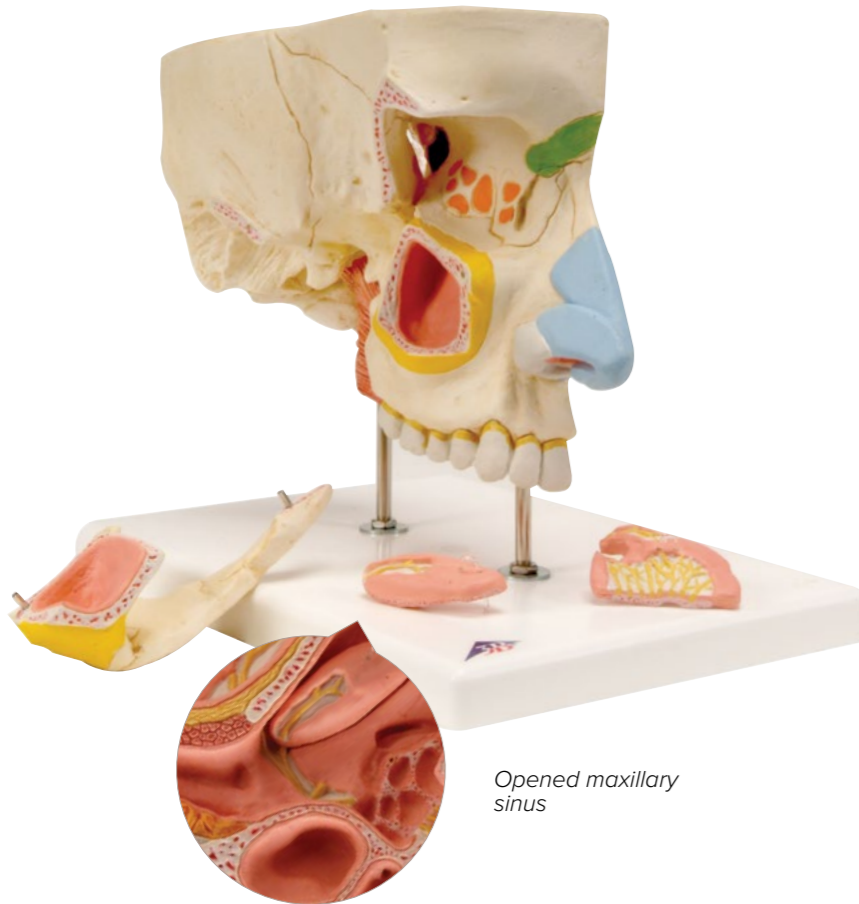
Cast from natural specimen, these human auditory ossicles are presented in their natural position and embedded in transparent acrylic.

1000253

> EASY VIEWING ROOM FROM
ANYWHERE IN THE CLASSROOM

Removable auditory ossicles
and labyrinth





Opened maxillary sinus

3B SMART ANATOMY

NOSE MODEL 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.

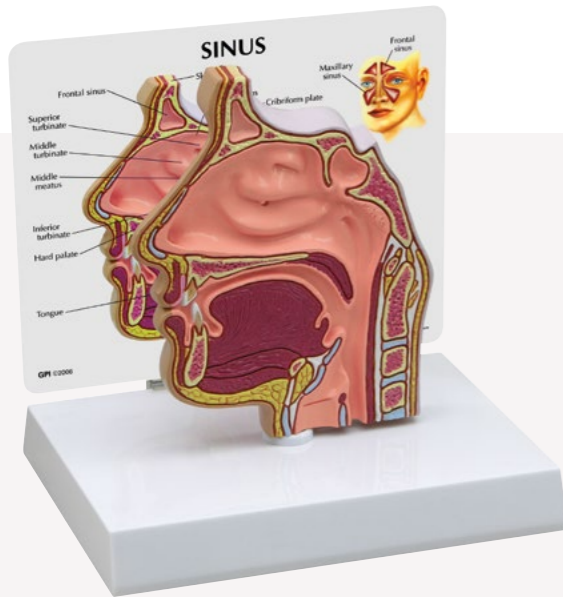
The following structures are differentiated by color and visible through the transparent removable skin:

- 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

26 x 19 x 24 cm; 0.8 kg 1000254



SINUS CROSS SECTION

The model is a full-size, cutaway, normal model that depicts a near median section through the nose and nasal passages. Details include nasal cavity, soft and hard palate, uvula, eustachian tube and pharyngeal tonsil. Reverse side shows ethmoid and maxillary sinus cavities.

11.4 x 1.6 x 13.3 cm 1019537



THYROID MODEL

Set of four average size thyroids and one larynx. Models show normal thyroid, Hashimoto's thyroiditis (lymphocytic thyroiditis), Graves' disease, papillary carcinoma and the following structures: hyoid bone, thyroid membrane, thyroid cartilage, cricoid cartilage, and trachea

1019548

3B SMART ANATOMY

LARYNX MODEL, 2 TIMES LIFE-SIZE, 2-PART

This detailed larynx model is divided into two halves. It is medially sectioned and shows:

- Larynx
- Hyoid bone
- Windpipe
- Ligaments
- Muscles
- Vessels
- Nerves
- Thyroid gland

14 x 14 x 28 cm; 0.29 kg 1000273



3B SMART ANATOMY

FUNCTIONAL LARYNX MODEL, 2.5 TIMES FULL-SIZE

The epiglottis, vocal cords and arytenoid cartilage are movable in the functional larynx. Additionally, the following structures of the human larynx are represented:

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

9 x 9 x 14 cm; 0.66 kg 1013870

3B SMART ANATOMY

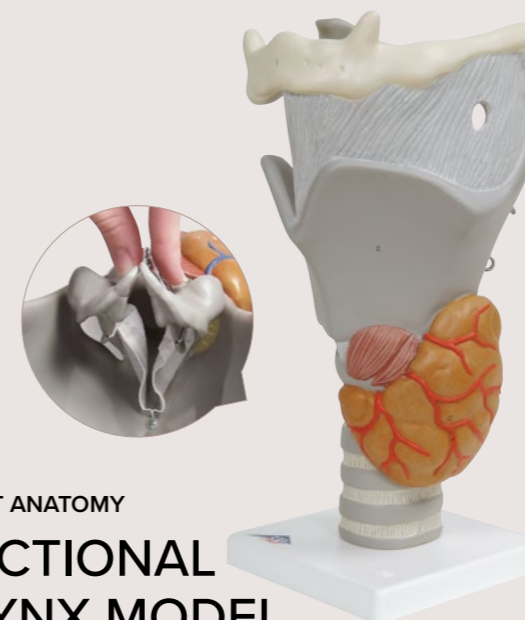
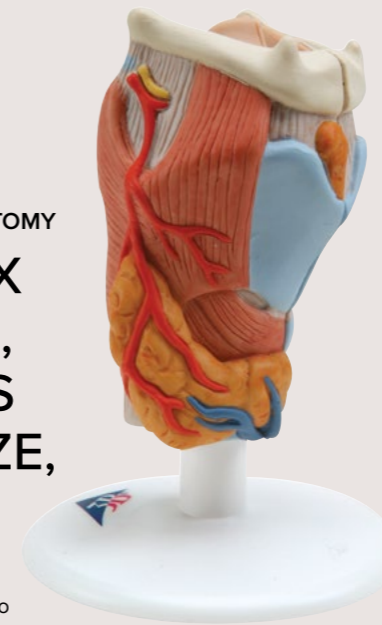
LARYNX MODEL, 2 TIMES LIFE-SIZE, 7-PART

This medially sectioned model shows:

- Larynx
- Hyoid bone
- Windpipe
- Ligaments
- Muscles
- Vessels
- Nerves
- Thyroid gland

Thyroid cartilage, 2 muscles and 2 thyroid gland halves are removable from larynx. On stand.

12 x 12 x 23 cm; 0.87 kg 1000272



3B SMART ANATOMY

3B SMART ANATOMY

FUNCTIONAL LARYNX MODEL, 3 TIMES FULL-SIZE

The functional model is a great tool for speech therapy! This functional larynx depicts the epiglottis, vocal cords and arytenoid cartilage. These parts are movable for demonstration purposes.

32 x 13 x 15 cm; 0.97 kg 1001242

3B SMART ANATOMY

DENTAL DISEASE, MAGNIFIED 2 TIMES, 21-PARTS

Magnified for easier demonstrations!

The model is based on a lower jaw with soft gums with 16 removable teeth.

One half shows eight healthy teeth and healthy gums for comparison.

The other half shows the following dental diseases:

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

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 vertically to show the inside of the tooth.

Delivered on a base.

17,5 x 26 x 18,5 cm; 0,6 kg 1000016

> TEACH PROPER CLEANING TECHNIQUES – GIANT TOOTH BRUSH INCLUDED



GIANT DENTAL CARE MODEL, 3 TIMES LIFE-SIZE

Teach proper teeth cleaning techniques with this giant dental care model! At 3 times life-size, it shows the upper and lower half of an adult's dentition. A flexible joint between the jaws allows easy movement. 35.5 cm toothbrush included.

18 x 23 x 12 cm; 1,5 kg 1000246



Jaw-shaped stand

DENTAL MORPHOLOGY SERIES, 10 TIMES LIFE-SIZE, 7-PART

At ten times life-size, this dental morphology series has removable lateral incisor, canine, first premolar, a 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.

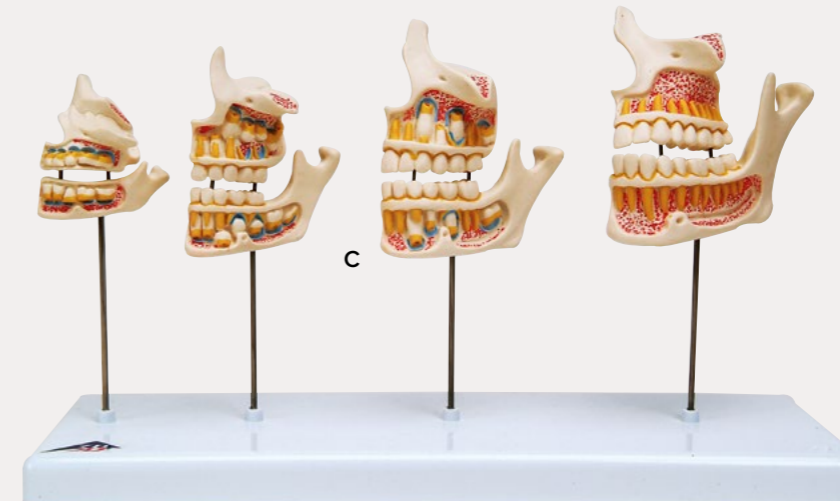
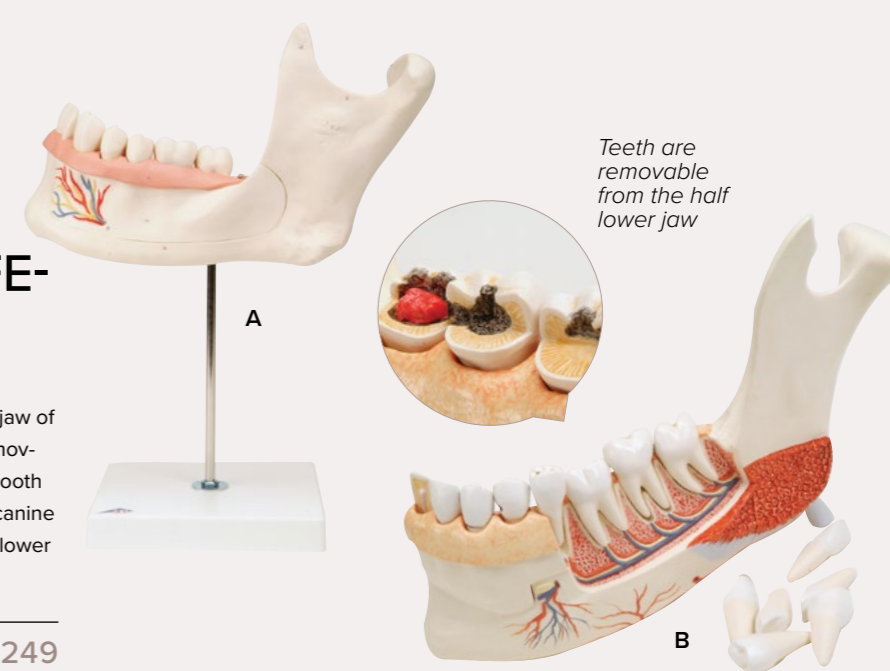
70 x 25,5 x 15 cm; 2,1 kg 1005540

3B SMART ANATOMY

A. HALF LOWER JAW, 3 TIMES LIFE-SIZE, 6-PART

The model represents half of the left lower jaw of a young person. One section of bone is removable from the half lower jaw to expose the tooth roots, spongiosa, vessels and nerves. The canine and first molar are removable from the half lower jaw and are longitudinally sectioned.

35 x 18 x 36 cm; 1,2 kg 1000249



3B SMART ANATOMY

C. 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 1000248

3B SMART ANATOMY

D. 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 1001248



3B SMART ANATOMY

E. ADULT DENTURES

Tooth roots, spongiosa, vessels, and nerves are exposed for detailed study. The lower jaw is movable. On base.

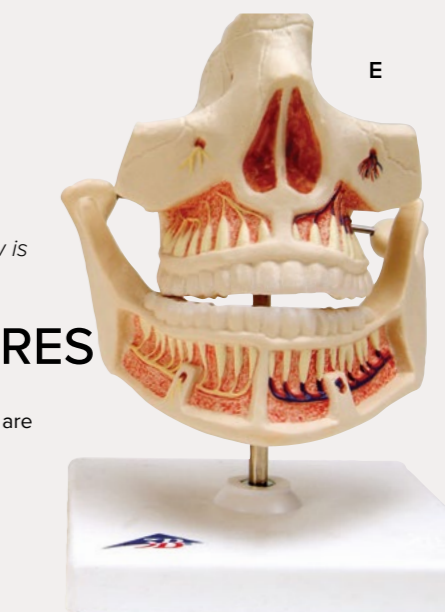
16 x 12 x 13 cm; 0,9 kg 1001247

3B SMART ANATOMY

B. 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, to an advanced degradation of a molar, showing the exposed root. The front section of the bone and all the teeth are removable from the half lower jaw; one incisor is longitudinally sectioned. Nerves, blood vessels and the sublingual and submandibular glands are shown.

22 x 32 x 9 cm; 1,1 kg 1001250





Easily switch between 3 stages of cavities



3B SMART ANATOMY

GIANT MOLAR WITH DENTAL CAVITIES, 15 TIMES LIFE-SIZE, 5-PART

This giant molar model depicts an upper triple-root molar and separates into 5 parts. The molar features a longitudinal section through the crown, two roots and the pulp cavity. The giant molar contains removable pulp and three tooth inserts with different stages of advanced cavities. Delivered on stand.

24 x 12 x 13 cm; 1.5 kg 1013215

3B SMART ANATOMY

CLASSIC TOOTH MODELS

This classic tooth series shows 5 representative types of adult dentition individually mounted on removable stands:

- 2-part lower incisor with longitudinal section
- 2-part lower canine with longitudinal section
- Lower single-root pre-molar
- 2-part lower twin-root molar with longitudinal section showing caries attack
- 3-part upper triple-root molar with longitudinal section and caries insert

The series ranges from 23–29 cm high. Each tooth delivered on a base.

1017588



3B SMART ANATOMY
LOWER INCISOR,
2-PART

1000240

3B SMART ANATOMY
LOWER CANINE,
2-PART

1000241

3B SMART ANATOMY
LOWER SINGLE-ROOT
PRE-MOLAR

1000242

3B SMART ANATOMY
LOWER TWIN-ROOT
MOLAR, 2-PART

1000243

3B SMART ANATOMY
UPPER TRIPLE-ROOT
MOLAR, 3-PART

1017580

› EACH TOOTH MODEL IN THIS SET IS ALSO AVAILABLE INDIVIDUALLY



SKULL MODEL WITH TEETH FOR EXTRACTION, 4-PART

This anatomical human skull is a great tool for students. The teeth of the upper and lower jaw can be extracted from the skull and replaced individually with their fully formed roots. A bone flap on the right mandible of the skull can be opened to view the dental roots, spongiosa, nerve canal and an impacted wisdom tooth.

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

22 x 13.5 x 17 cm; 0.8 kg 1003625



CLEAR HUMAN JAW WITH TEETH MODEL

Full-size, hinged, clear-cast jaw allows viewing of roots. Healthy side shows normal dentition and occlusion. Affected side shows multiple pathologies, including: super eruption, apical alveolar abscess with caries, periodontal disease, lateral abscess, abfraction, irregular root curvature, impacted canine, erosion, fractured tooth, horizontal impact, radicular pulpitis, root canal with crown, internal resorption, attrition, external resorption of root, implants, and fractured root.

7.1 x 6.4 x 6.4 cm 1019540



Highly detailed model showing the various papillae of the tongue and taste buds

3B SMART ANATOMY

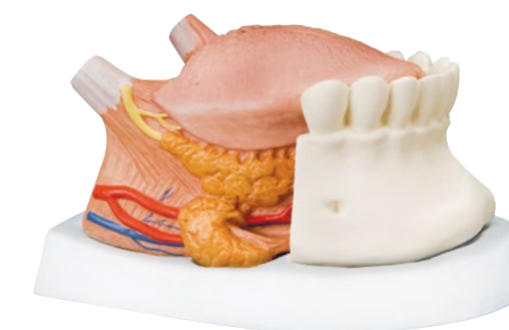
3B MICROanatomy™ TONGUE

This highly detailed model comprises a macroscopic view of the tongue (dorsal view) and microscopic views of the various papillae of the tongue (10–20x life-size) and of a taste bud (approx. 450x life-size). 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 1000247



Can be taken apart easily



3B SMART ANATOMY

TONGUE MODEL, 2.5 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 1002502

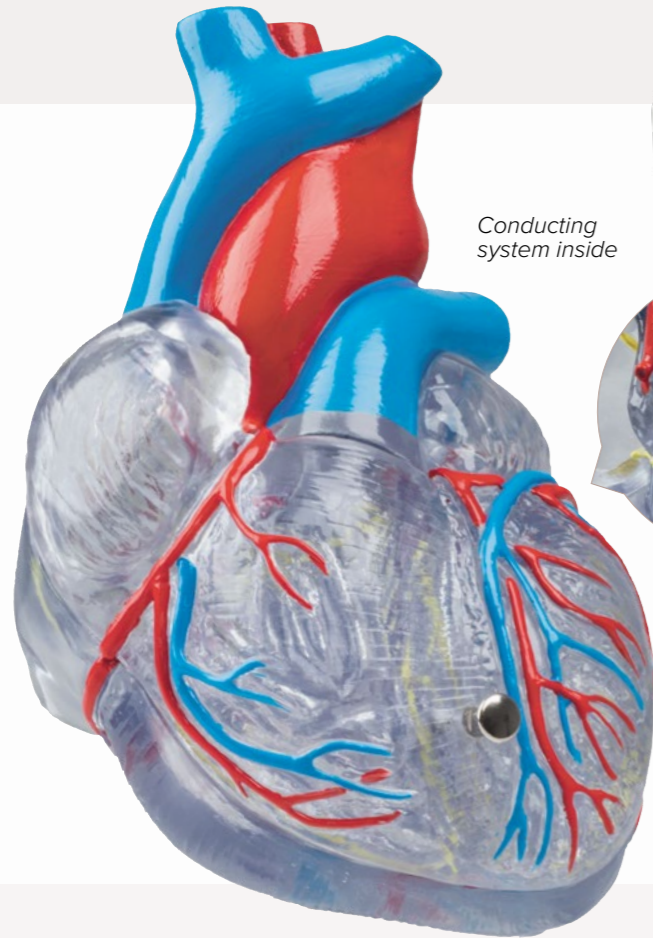
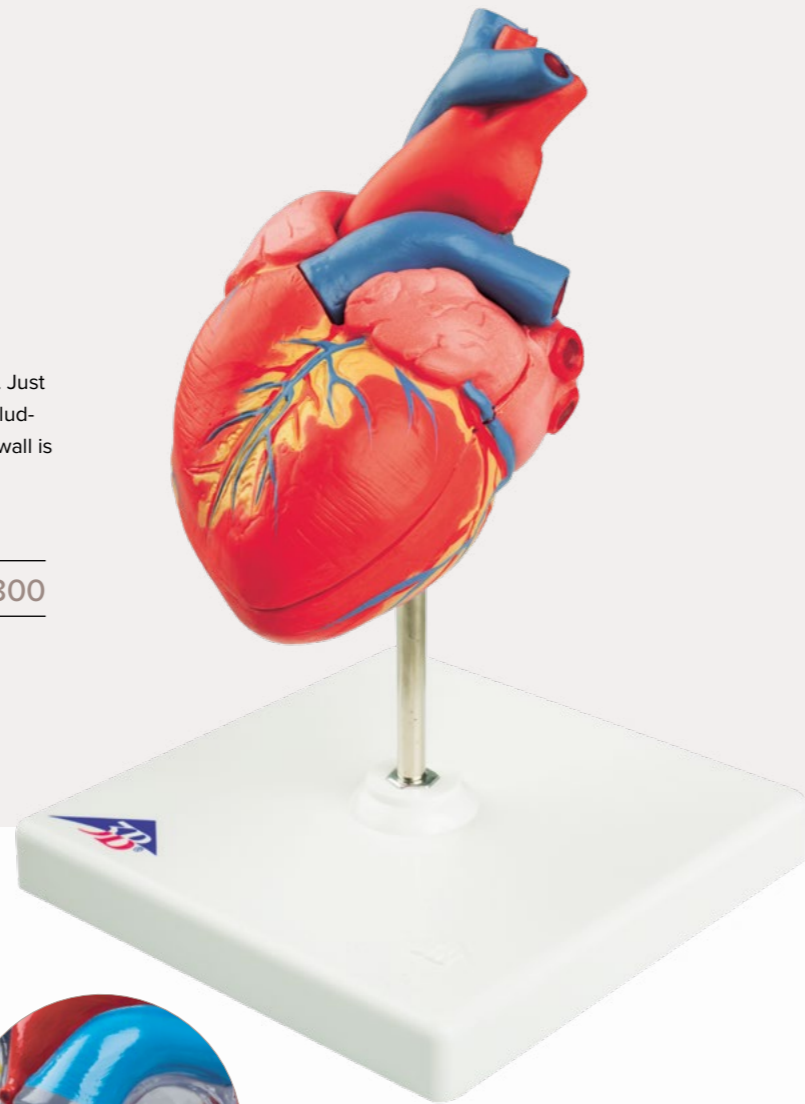
> CLASSIC HEART MODEL SERIES

- + Removable parts for closer study
- + Ideal for student and patient education
- + Durable and virtually unbreakable material

3B SMART ANATOMY
CLASSIC HEART, 2-PART

The 2-part classic heart is highly detailed 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 removable stand.

19 x 12 x 12 cm; 0.3 kg 1017800



Conducting system inside

3B SMART ANATOMY
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 1019311

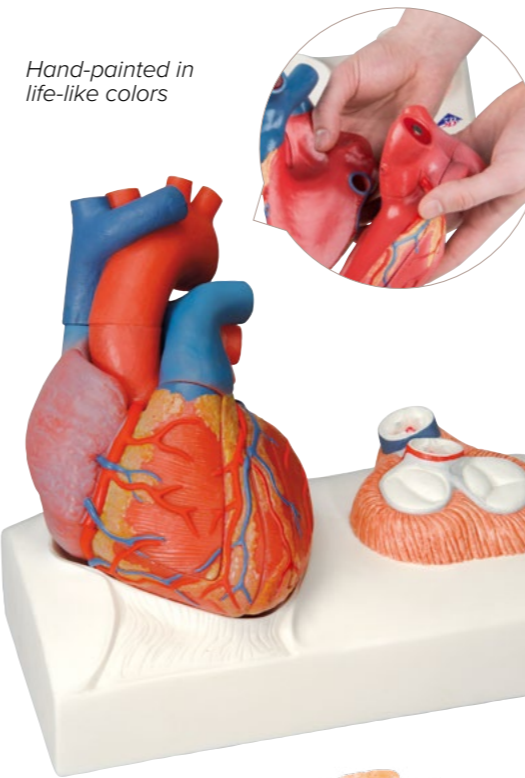
> LIFE-SIZE CAST FROM REAL SPECIMEN

3B SMART ANATOMY
MAGNETIC HEART MODEL, LIFE-SIZE, 5-PART WITH DIASTOLE AND SYSTOLE

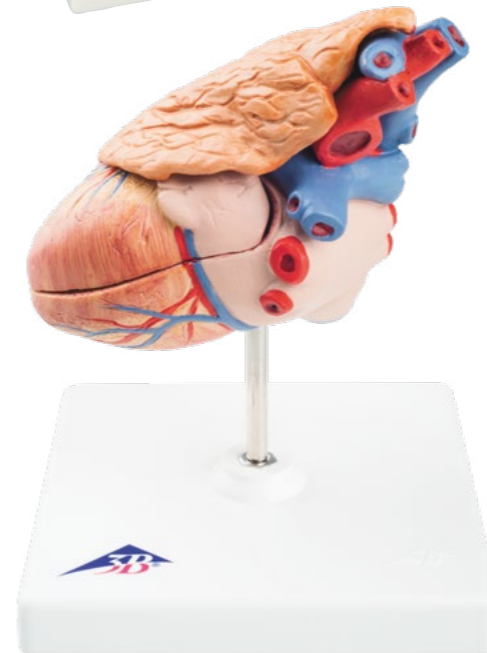
Now, in one detailed model, the study of diastole and systole is finally made straightforward and convenient. This unique dissection makes the viewing of the cardiac valves during diastole with closed pulmonary aortic valves and opened mitral tricuspid valves easier than ever before. In addition to this, the closed mitral tricuspid valves and opened pulmonary aortic valves during systole are represented in a second model located on the base.

- Easy-to-open, magnetic connections
- Extremely detailed, life-size model
- Cast from real specimen
- Shows both diastolic and systolic state

25 x 21 x 13 cm; 1.52 kg 1010006



Hand-painted in life-like colors

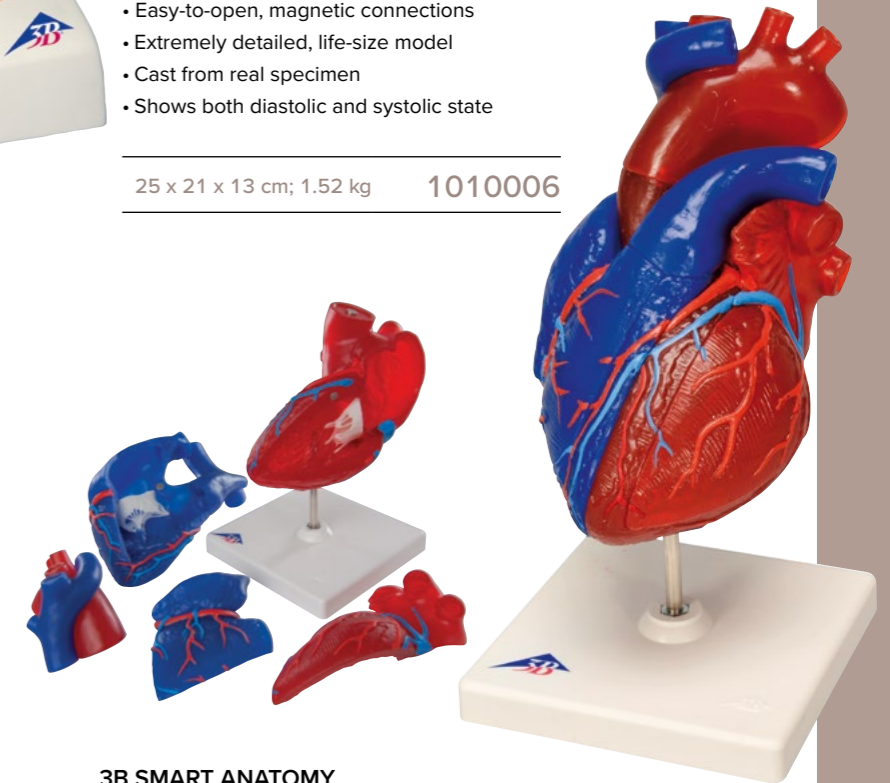


> THYMUS

3B SMART ANATOMY
CLASSIC HEART WITH THYMUS, 3-PART

In addition to the features of the 2-part classic heart, this model also shows the location and relative size of the thymus.

20 x 12 x 12 cm; 0.3 kg 1000265



3B SMART ANATOMY
DIDACTICALLY PAINTED HEART MODEL, MAGNETIC, LIFE-SIZE, 5-PART

Invest in quality with this uniquely sectioned 5-part heart model by 3B Scientific. Cast from a real human heart and didactically prepared to facilitate a better understanding of the anatomy and blood flow of the heart. A dissection through the median plane makes an easy demonstration possible. Color scheme and disassembly of the heart model in a didactical manner. The chambers of the heart and vessels (including coronary vessels) in which oxygen-rich blood is transported have been displayed in red. Heart chambers and vessels which contain blood low in oxygen have been reproduced in blue.

13 x 19 cm; 0.6 kg 1010007

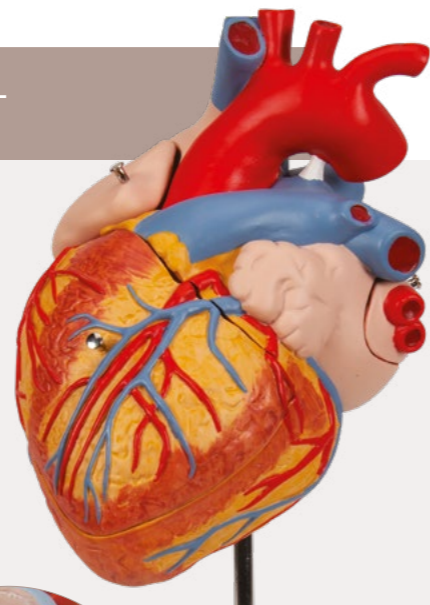
> MAGNIFIED MODELS FOR EASY IDENTIFICATION OF ALL ANATOMICAL STRUCTURES IN THE HUMAN HEART

3B SMART ANATOMY

HEART, 2 TIMES LIFE-SIZE, 4-PART

This 2 times life-size heart model 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.

32 x 18 x 18 cm; 1.3 kg 1000268



3B SMART ANATOMY

HEART ON DIAPHRAGM, 3 TIMES LIFE-SIZE, 10-PART

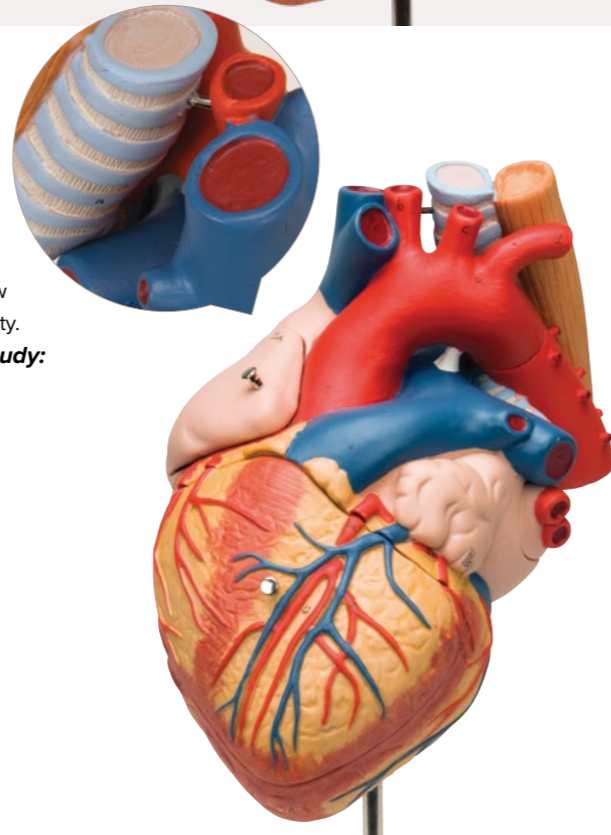
This unique model depicts the structures of the heart while detailing how the heart relates to the thoracic diaphragm at 3 times life-size. Easily show how the diaphragm separates the thoracic cavity from the abdominal cavity.

The following parts of the heart can be removed for detailed study:

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

Non-removable base.

41 x 33 x 28 cm; 3.6 kg 1008547

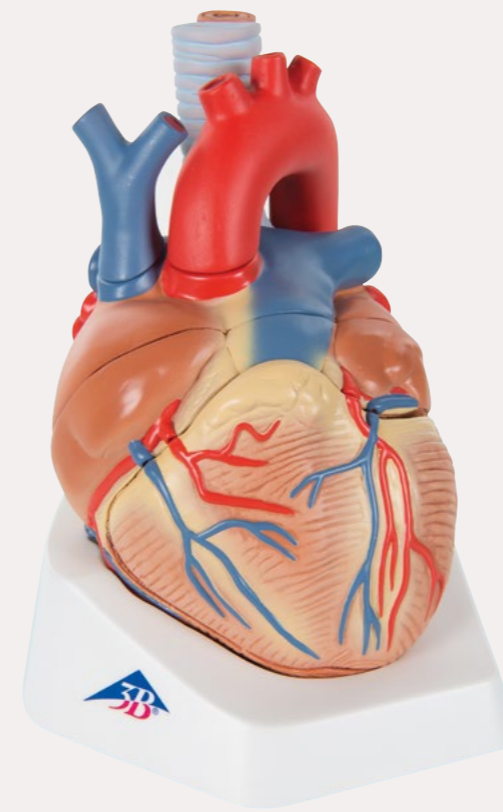
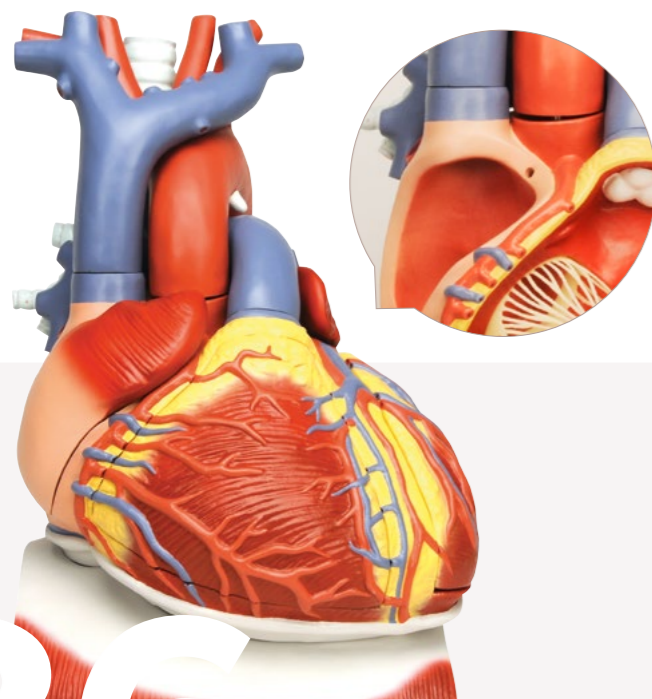


3B SMART ANATOMY

HEART WITH ESOPHAGUS AND TRACHEA, 2 TIMES LIFE-SIZE, 5-PART

This 2-times life-size heart model allows a very easy identification of all structures in the human heart. The atrium walls and the front heart wall are removable to reveal the inside. Additionally, the upper section of the esophagus, the upper bronchi and the ascending aorta and the front heart wall and the atrium walls can be removed. Hand-painted in life-like colors. On removable stand.

32 x 18 x 18 cm; 1.3 kg 1000269



3B SMART ANATOMY

HEART, 1.5 TIMES LIFE-SIZE, 7-PART

This high-quality model clearly shows over 30 different anatomical regions in the heart. The model is horizontally sectioned at the level of the valve plane.

The following parts can be removed for detailed study:

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

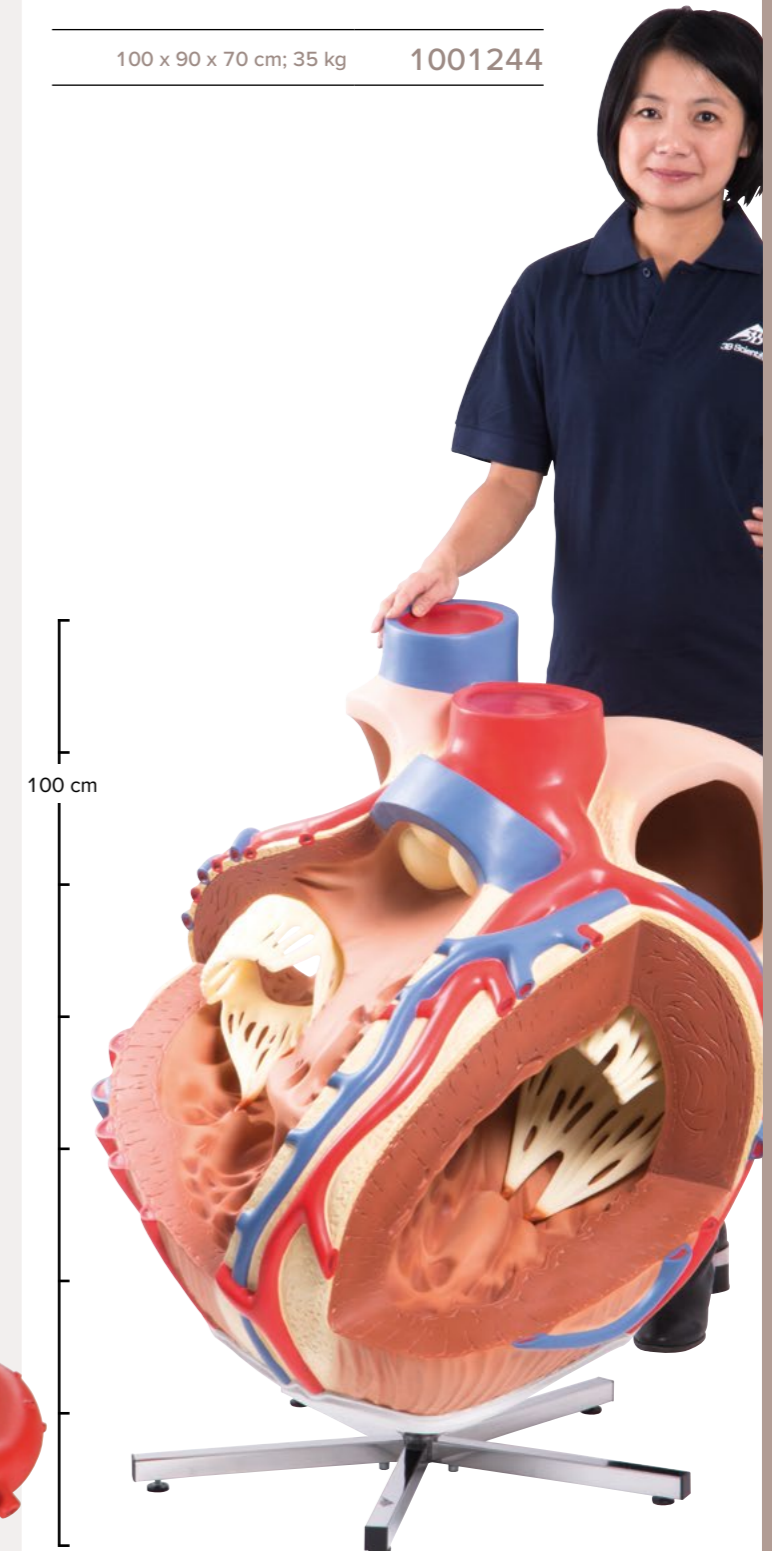
20 x 15 x 17 cm; 1.1 kg 1008548



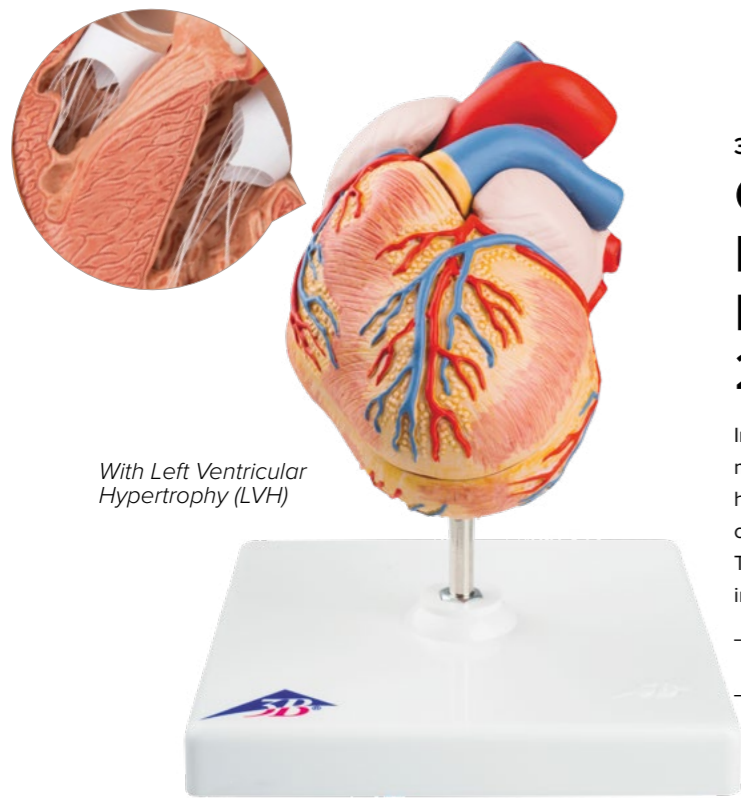
GIANT HEART, 8 TIMES LIFE-SIZE

This gigantic heart is one of a kind! See every detail of the heart with this giant 8 times life-size model. Constructed by hand, it is of great quality. The atria and ventricles of the heart are open to give a view of the interior, and to show the accurately modeled bicuspid and major vessels adjacent to the heart. The coronary heart vessels are also shown in amazing detail. On stand.

100 x 90 x 70 cm; 35 kg 1001244



86



With Left Ventricular Hypertrophy (LVH)

> HYPERTROPHY

3B SMART ANATOMY
CLASSIC HEART WITH LEFT VENTRICULAR HYPERTROPHY (LVH), 2-PART

In addition to all the features of the 2-part classic heart, 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. The front heart wall is detachable to reveal the chambers and valves inside. On removable stand.

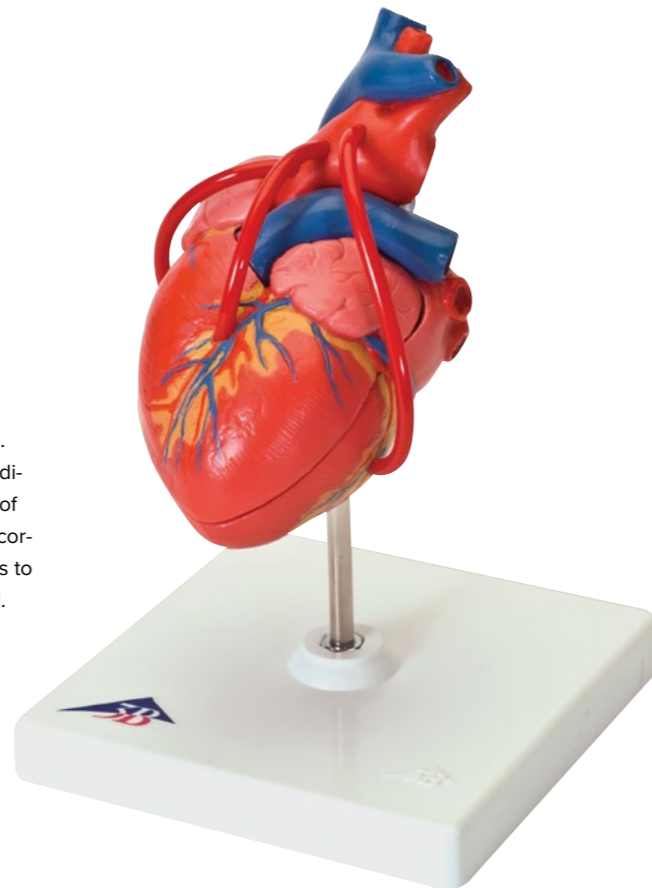
12 x 12 x 14 cm; 0.45 kg 1000261

> BYPASSES

3B SMART ANATOMY
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 1000263



3B SMART ANATOMY
CLASSIC HEART WITH BYPASS, 2-PART

With all the features of the 2-part classic heart, 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 1017837

> ACCURATE TEACHING AIDS OF THE CIRCULATORY SYSTEM



3B SMART ANATOMY
3B MICROanatomy™ ARTERY AND VEIN, 14 TIMES LIFE-SIZE

This model, enlarged 14 times, shows a medium-sized muscular artery with two adjacent veins from the antebrachial area with adjoining fat tissue and muscle.

- Illustrates reciprocal anatomical relationship of artery and vein and basic functional techniques of venous valves
- Left vein and middle artery are fenestrated in upper anterior segment, revealing various layers of wall structure in cross and longitudinal section and top view
- Right vein is opened throughout in anterior segment, revealing orifice of a feeder vein and two venous 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 1000279



ARTERY SECTIONS – WITH HANDLE

Four-stage cross-section of an artery demonstrating arteriosclerosis in which the narrowing of the artery is due to a build up of fatty tissue (cholesterol) and plaque. Four stages: normal artery, fatty streak, fibrous plaque, and blockage. The stages cause a decrease in blood flow, which can lead to a blood clot or thrombus. All stages rotate on hinge pin.

8.1 x 3.2 x 4.6 cm 1019532



3B SMART ANATOMY
ARTERIOSCLEROSIS MODEL, WITH CROSS SECTION OF ARTERY, 2-PART

With the help of this artery model doctors can explain changes in the blood vessels due to arteriosclerosis. A horizontally dissected artery fork is depicted with arteriosclerotic changes in four different stages, from slightly sedimented to a completely clogged blood vessel. On stand.

14 x 10 x 7 cm; 0.2 kg 1000278



HYPERTENSION SET

The Hypertension Set includes a miniature brain, eye, heart, kidney and artery models. Education card illustrates effects associated with hypertension: ocular pathologies, arteriosclerosis, arterial plaque, kidney failure and stroke.

16.5 x 12.7 x 27.9 cm 1019572



3B SMART ANATOMY
CIRCULATORY SYSTEM, 1/2 LIFE-SIZE

This half life-size relief model of the human circulatory system details the following anatomical structures:

- The arterial/venous system
- Heart
- Lung
- Liver
- Spleen
- Kidneys
- Partial skeleton
- A colorful and anatomically accurate teaching aid of the human circulatory system

Delivered on baseboard for easy display in a classroom or doctor's office.

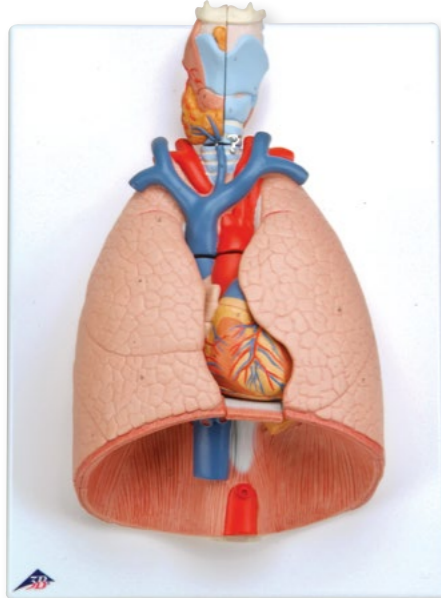
80 x 30 x 6 cm; 3.6 kg 1000276



ARTERY MODEL

Artery Model features an oversized "Y" section of artery, with cut-away, showing gradual build-up of cholesterol deposits.

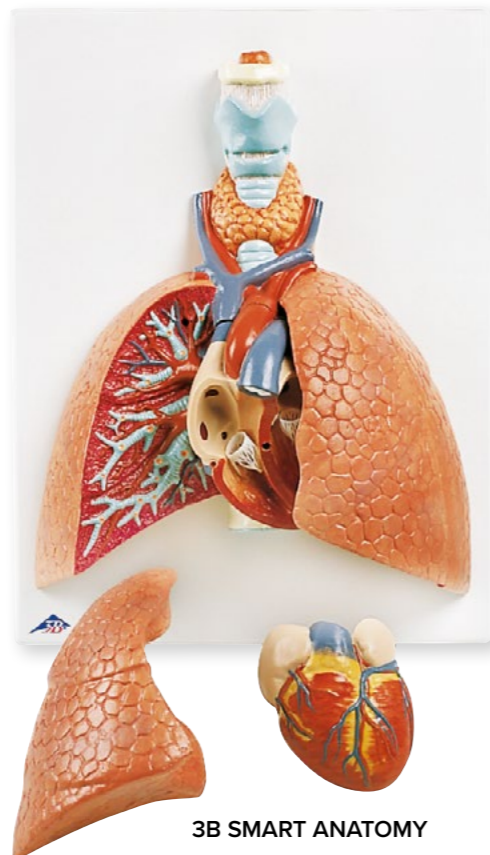
15.9 x 5.1 x 10.2 cm 1019531



3B SMART ANATOMY
LUNG MODEL WITH LARYNX, 5-PART

The lung model with larynx comes on a baseboard for easy display. It is of highest quality, and contains removable parts.

41 x 31 x 12 cm; 2.2 kg **1001243**



3B SMART ANATOMY
LUNG MODEL WITH LARYNX, 7-PART

The lung model with larynx comes on a baseboard for easy display. It is of highest quality, and contains removable parts.

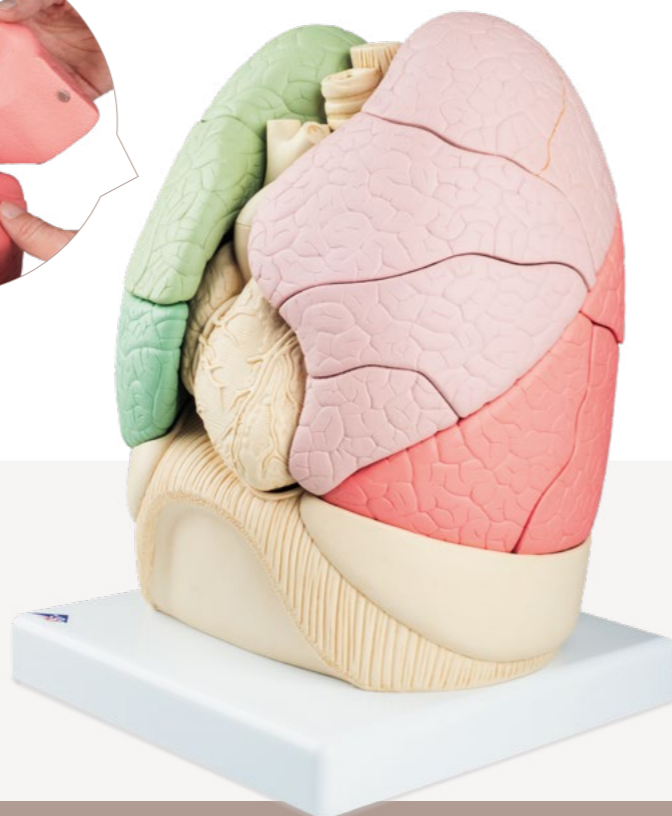
41 x 31 x 12 cm; 2.2 kg **1000270**



3B SMART ANATOMY
SEGMENTED LUNG, MAGNETIC, 20-PART

This high-quality lung model is detachable into two lobes and single segments. The segments are color-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 for safe and easy handling.

25 x 25 x 35 cm; 4.1 kg **1008494**



3B SMART ANATOMY
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.

22 x 18 x 37 cm; 1.23 kg **1000275**

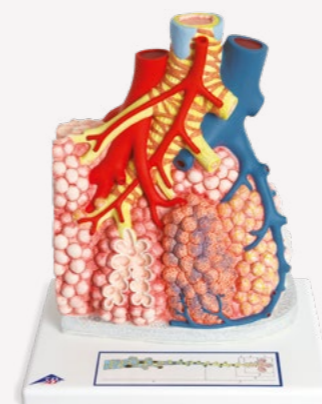
3B SMART ANATOMY
CT BRONCHIAL TREE WITHOUT LUNGS

22 x 18 x 37 cm; 0.43 kg **1000274**

3B SMART ANATOMY
PULMONARY LOBULE WITH SURROUNDING BLOOD VESSELS

The model shows an external pulmonary lobule at 130 times life-size. A graphic image on the stand of the model shows the structure of the airway in the lungs up to the alveolus.

26 x 33 x 19 cm; 1.35 kg **1008493**



4-PIECE BRONCHUS MODEL

The 4-piece bronchus model is a four stage cross-section of the bronchus demonstrating the tissue changes occurring in asthma and chronic bronchitis. Four stages: normal bronchus, hypersecretion of the mucous gland, swelling with lymphoid aggregations and smooth-muscle spasm. The model includes: cartilage, mucous glands and plug, spiraling smooth muscles, and the fibroelastic connective tissue, and epithelial layers of the bronchus. All stages rotate on hinge pin

9.4 x 3.8 x 4.4 cm **1019547**



3B SMART ANATOMY
COPD MODEL

Shows changes to the bronchial tissue from normal to permanent damage and after administration of medication.

15 x 11 x 8 cm; 0.18 kg **1012788**



3B SMART ANATOMY
3B MICROanatomy™
DIGESTIVE SYSTEM
 – 20 TIMES
MAGNIFIED

This model illustrates the structure of the fine tissues of four characteristic sections of the digestive system 20 times magnified:

- Esophagus
- Stomach
- Small intestine
- 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.



29.5 x 26 x 18.5 cm; 1.5 kg **1000311**

3B SMART ANATOMY
DIGESTIVE SYSTEM, 3-PART

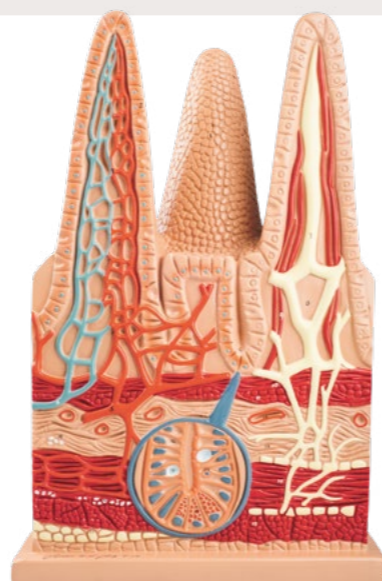
This life-size model demonstrates the entire digestive system in graphic relief.

The following parts are shown, painted in realistic colors:

- Nose
- Mouth cavity and Pharynx
- Esophagus
- GI tract
- Liver with gallbladder
- Pancreas
- Spleen

The duodenum, caecum and rectum of the digestive system are opened. The transverse colon and front stomach wall are removable from the digestive system for detailed study of the anatomy. The liver, stomach and transverse colon are removable.

81 x 33 x 10 cm; 4.4 kg **1000307**



3B SMART ANATOMY
INTESTINAL VILLI,
100 TIMES LIFE-SIZE

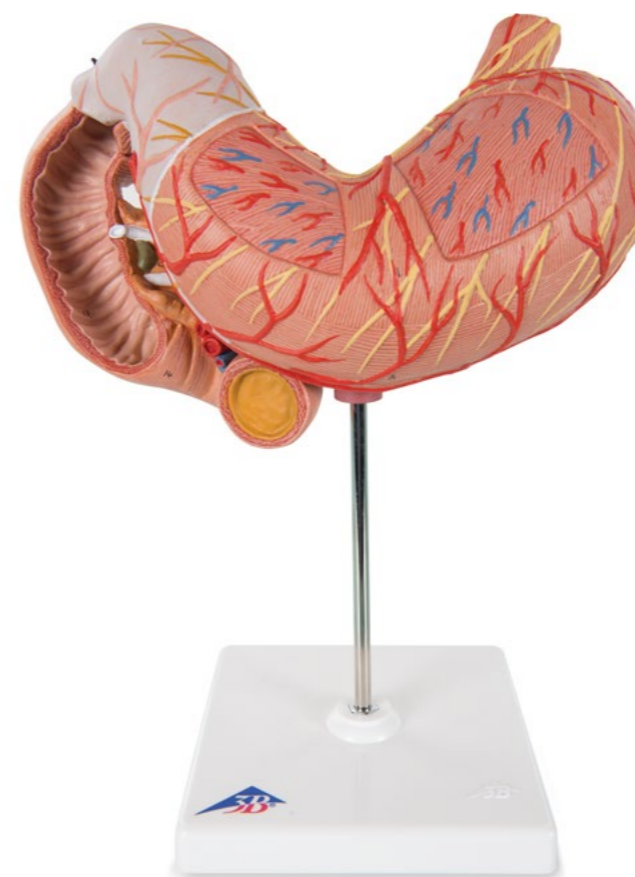
This intestinal villi model consists of one entire villus, one longitudinally sectioned villus showing the arterioles and venules, and one sectioned villus to show the lymphatic vessels. Also includes a longitudinal section of Lieberkühn's crypt. Mounted on base.

43 x 28 x 10 cm **1005532**

3B SMART ANATOMY
DIGESTIVE SYSTEM, 2-PART
(not shown)

Same features as the 3-part model, but without the removable stomach half.

1000306



3B SMART ANATOMY
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.

Shown are:

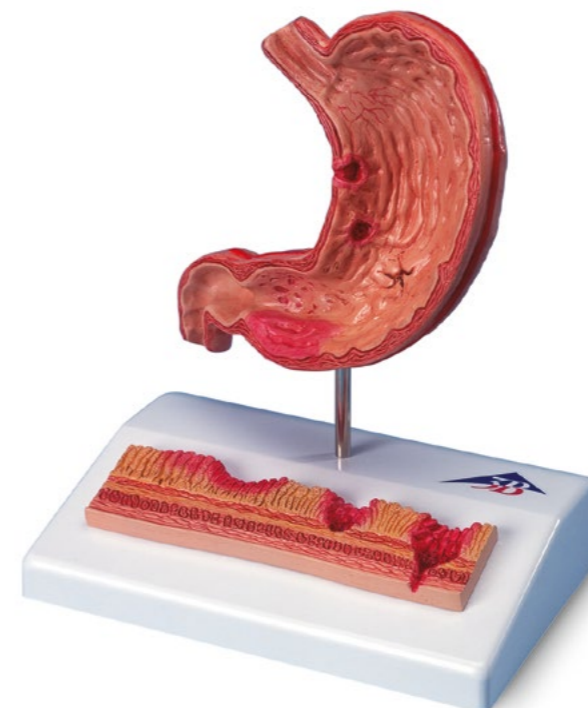
- The lower esophagus
- Vessels
- Duodenum
- Pancreas
- Nerves

25 x 22 x 12 cm; 0.8 kg **1000303**

3B SMART ANATOMY
STOMACH, 2-PART
(not shown)

Like the model one above but the Duodenum and Pancreas are not present. The front half of the stomach is removable for detailed study. It shows the lower esophagus, vessels, and nerves.

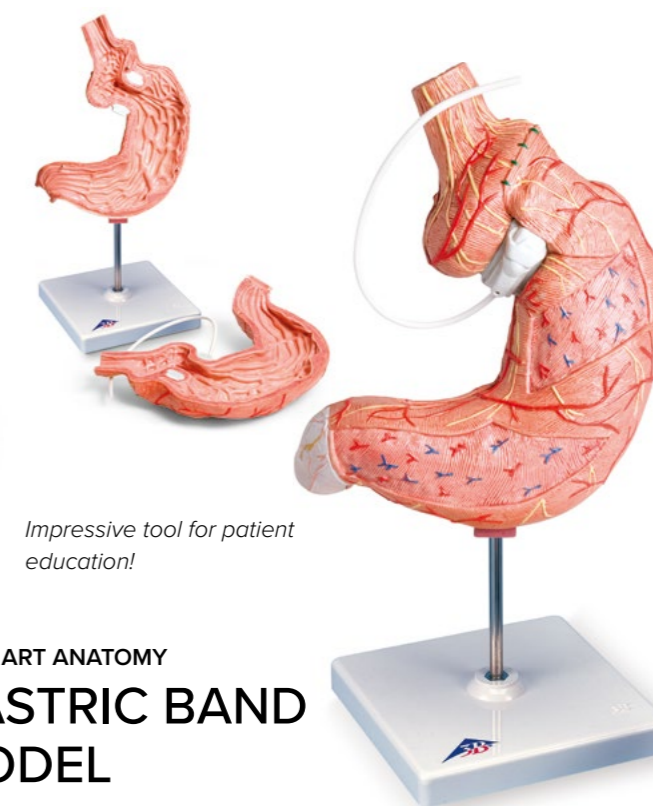
25 x 22 x 12 cm; 0.6 kg **1000302**



3B SMART ANATOMY
STOMACH
WITH ULCERS

The 1/2 life-size stomach pathology model demonstrates various stages of gastritis from a light gastric ulcer to a perforation. Correspondingly, the base shows an enlarged stomach wall to further demonstrate these changes.

25 x 22 x 12 cm; 0.6 kg **1000302**



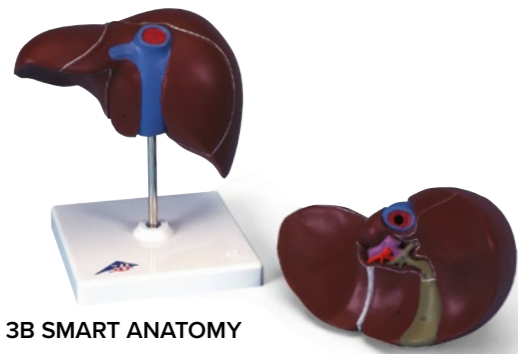
Impressive tool for patient education!

3B SMART ANATOMY
GASTRIC BAND
MODEL

This model was developed based on the two-part stomach model with the addition of an SAGB Quick Close® gastric band. A gastric band is inserted surgically to treat morbid obesity if conservative treatments are unsuccessful. This model is highly suitable as a tool for explaining the device to patients.

3 x 3 x 4 cm; 0.5 kg **1012787**





3B SMART ANATOMY
LIVER WITH GALLBLADDER

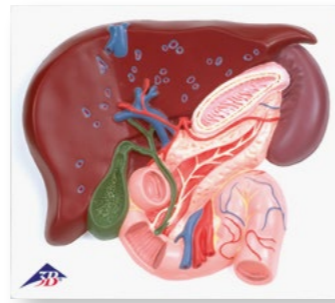
This realistic model shows the anatomy of the liver and gallbladder. Mounted on base.

It shows:

- 4 lobes with gallbladder
- Extrahepatic ducts
- Hilus vessels

18 x 18 x 12 cm; 0.5 kg 1014209

3B SMART ANATOMY
LIVER WITH GALLBLADDER, PANCREAS AND DUODENUM



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

- Ducts
 - Gallbladder
 - Pancreas
 - Duodenum
 - Vessels
 - Main pancreatic duct and their orifices
 - Extrahepatic ducts with gallbladder
- Delivered on baseboard.

4 x 20 x 18 cm; 0.8 kg 1008550

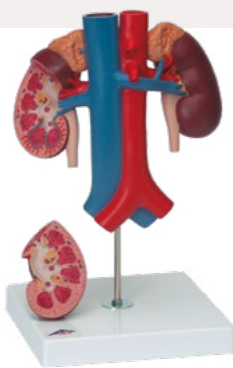
3B SMART ANATOMY
3B MICROanatomy™ LIVER

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. Mounted on base.

15 x 26 x 18.5 cm; 0.7 kg 1000312



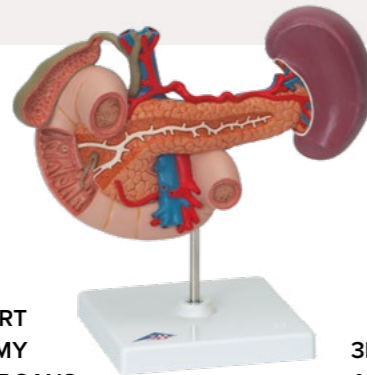
3B SMART ANATOMY
KIDNEYS WITH VESSELS 2-PART



Life-size model presenting the kidneys with suprarenal glands, the outgoing ureters, the renal vessels, and the large vessels situated close to the kidneys. Comes on stand.

21 x 18 x 28 cm; 1 kg 1000308

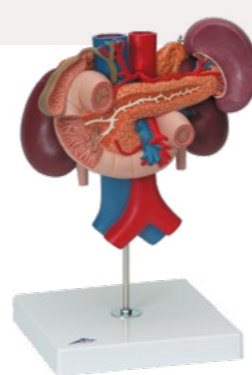
3B SMART ANATOMY
REAR ORGANS OF THE UPPER ABDOMEN



Representing the duodenum, which is partially opened, along with opened gallbladder 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 1000309

3B SMART ANATOMY
KIDNEYS WITH REAR ORGANS OF THE UPPER ABDOMEN 3-PART



This model combines the rear organs of the upper abdomen and the kidneys with vessels in one. The upper abdominal organs are attached in their natural positions and are removable from the kidneys. Comes on stand.

24 x 18 x 29 cm; 1.4 kg 1000310

> PATHOLOGICAL MODELS



3B SMART ANATOMY
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 like ulcer, reflux esophagus, and hiatal hernia. Mounted on base.

14 x 10 x 19 cm; 0.3 kg 1000305



3B SMART ANATOMY
GALLSTONE MODEL

The anatomy of the biliary system and its surroundings are shown at 1/2 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; 0.39 kg 1000314



3B SMART ANATOMY
HAEMORRHOID 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 haemorrhoids during stage I and II as well as external haemorrhoids. The relief exhibit shows haemorrhoids during stage III and IV. Mounted on base.

14 x 10 x 14 cm; 0.2 kg 1022524



3B SMART ANATOMY
INTESTINAL DISEASES

This model shows the usual benign and malignant changes in the colon and rectum. These include diverticula, polyps, haemorrhoids, fistulae, fissures, and chronic inflammatory diseases (Crohn's disease and ulcerative colitis), as well as intestinal cancer in various stages. Mounted on base.

21 x 17 x 27 cm; 0.96 kg 1008496



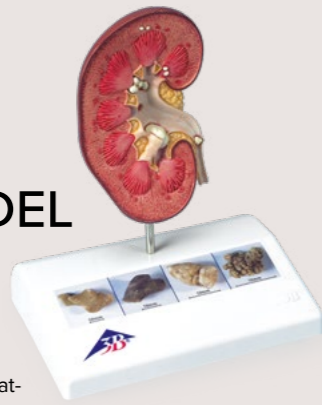
RECTUM CROSS SECTION (OVERSIZE) WITH PATHOLOGIES

One and one half times life-size cut-away model displaying ulcerative colitis, internal and external fistula, internal and external hemorrhoids, annular cancer, sessile polyp, submucosal abscess, skin tag, pedunculated polyp, supralelevator abscess, ischioanal abscess, cryptitis, diverticulum, condyloma acuminatum, fissure, and condyloma latum.

14 x 6.4 x 17.8 cm 1019557

3B SMART ANATOMY
**KIDNEY
STONE MODEL**

A great tool to inform patients about kidney stones and urinary stones. The model shows an opened right kidney it's in natural size. The renal calices, the renal pelvis, and the ureter are opened as well enabling concretions or stones to be identified in typical positions. Mounted on base.

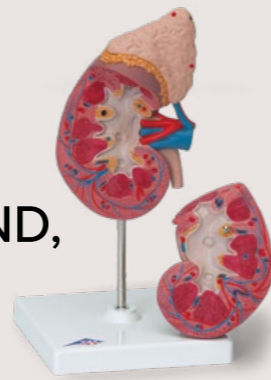


14 x 10 x 16.5 cm; 0.18 kg 1000316

3B SMART ANATOMY
**KIDNEY WITH
ADRENAL GLAND,
2-PART**

The front half of the kidney is removable to enable demonstration of cortex medulla and vessels. The renal pelvis of the kidney is also displayed. 20 important structures are included in the anatomy key.

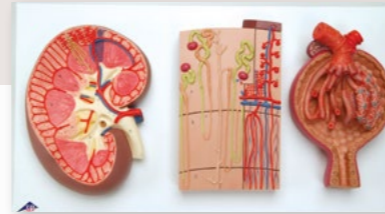
- Kidney with adrenal gland
- Renal and adrenal vessels of the kidney
- Upper portion of ureter for the human kidney



On stand.

8.5 x 19 x 26 cm; 0.9 kg 1014211

Six zones illustrate fine-tissue structures of the human kidney



3B SMART ANATOMY
**KIDNEY SECTION,
NEPHRONS, BLOOD
VESSELS AND RENAL
CORPUSCLE**

These 3 kidney models create a complete series to study the anatomy of the kidney and the different structures of the kidney in great detail.

Together the human kidney models show:

- A longitudinal section of the right kidney, 3 times life-size
- A kidney nephron depicting a section through renal cortex and medulla
- Nephron features the renal corpuscles with proximal and distal convoluted tubules, loops of Henle, collecting tubules and blood vessels, 120 times full-size
- The third kidney section shows an opened Malpighian corpuscle with glomerulus and Bowman's capsule, 700 times life-size of the human kidney

Mounted on baseboard.

29 x 52 x 9 cm; 2.8 kg 1000299

Also available as individual models:

Kidney	1000296
Nephrons and Blood Vessels	1000297
Malpighian Corpuscle of Kidney	1000298

3B SMART ANATOMY
**3B MICROanatomy™
KIDNEY**

This extremely detailed model shows the functional units of the kidney greatly magnified.

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 a diagrammatic depiction of three nephrons with varying lengths of loop of Henle and diagrammatic depiction of the vascular supply
- Diagrammatic illustration of a kidney nephron with a short of loop of Henle and didactic/diagrammatic illustration of the vascular supply
- Diagrammatic illustration of an opened kidney renal corpuscle with nephron and light-microscopic transverse sections of the proximal, attenuated and distal segments of a renal tubule
- Diagrammatic/didactic illustration of an opened kidney renal corpuscle

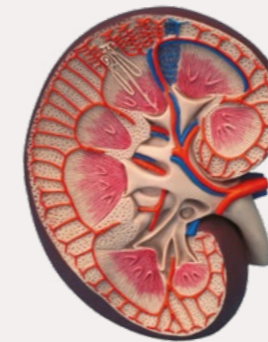
Mounted on base.

23.5 x 25.5 x 19 cm; 1.3 kg 1000301

3B SMART ANATOMY
**PROSTATE MODEL,
1/2 LIFE-SIZE**

This prostate model provides a cross section of the male genital organs showing a healthy prostate with bladder, urethra, testicle, symphysis and rectum. The narrowing of the urethra due to the change of the prostate is made clear via the 4 cross sectional views on the base of the prostate model. Mounted on base.

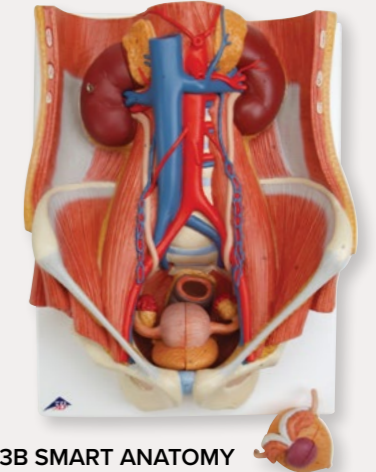
13.5 x 10 x 14 cm; 0.24 kg 1000319



3B SMART ANATOMY
**BASIC KIDNEY SECTION,
3 TIMES LIFE-SIZE**

This colourful 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.

20 x 12 x 12 cm; 0.3 kg 1000295



3B SMART ANATOMY
**DUAL SEX
URINARY
SYSTEM, 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).

For detailed study, the following is shown:

- Structures of retroperitoneal cavity
- Large and small pelvis with bones and muscles
- Inferior vena cava
- Aorta with its branches including iliac vessels
- Upper urinary tract
- Rectum
- Kidney with adrenal gland

On baseboard.

41 x 31 x 15 cm; 2.3 kg 1000317

3B SMART ANATOMY
**URINARY SYSTEM – MALE –
3/4 LIFE-SIZE**

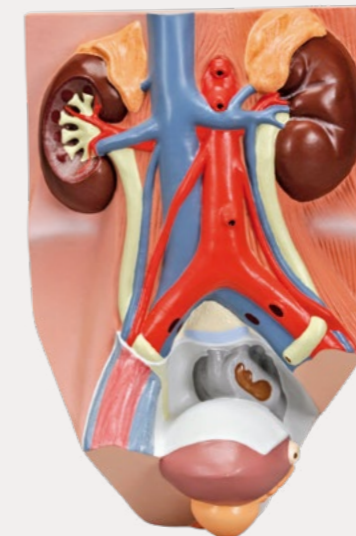
This urinary system model shows the structures of the retroperitoneal cavity in high detail.

The right kidney of the model is opened, other details represented are:

- Inferior vena cava
- Renal veins
- Aorta with its branches
- Iliac vessels
- Ureter
- Urinary bladder
- Prostate
- Adrenal gland
- Rectum
- Musculature

Urinary system model is not delivered on base.

13.5 x 10 x 14 cm; 0.24 kg 1000319

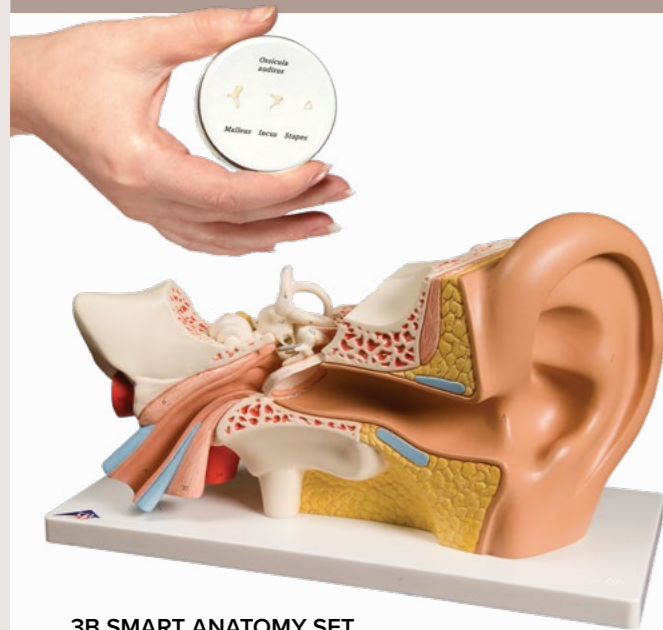


> ANATOMY SETS COME WITH THE COMPLIMENTARY 3B SMART ANATOMY APP – DETAILS ON PAGE 4.

BUY TOGETHER AND SAVE!

> SAVE UP TO 15% WITH OUR ANATOMY SETS!

Each of our Anatomy Sets contain several model, that complement each other and are available at a great price advantage. Great for classrooms or patient education, each set covers its own different area such as pregnancy, orthopedics, neurology, cardiology and many more. These useful sets will help you learn or explain subjects in a more comprehensive manner. Choose a suitable set for your needs and save up to 15% compared to individual model purchases.



3B SMART ANATOMY SET

EAR

Delivery scope:

- Ear Model, 3-times life-size, 4-part
- Ossicle Model – Life-size

8000844



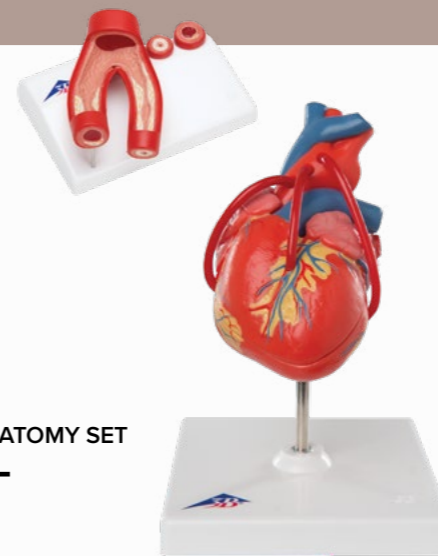
3B SMART ANATOMY SET

BRAIN AND VENTRICLE

Delivery scope:

- Classic Brain, 5-part
- Brain Ventricle

8000842



3B SMART ANATOMY SET

HEART

Delivery scope:

- Classic Heart with Bypass, 2-part
- Arteriosclerosis Model, with Cross Section of Artery, 2-part

8000845



3B SMART ANATOMY SET

BONE PELVIS

Delivery scope:

- Male Pelvis Skeleton
- Female Pelvis Skeleton

8000838



3B SMART ANATOMY SET

EYE

Delivery scope:

- Eye, 3-times life-size, 6-part
- 3B MICROanatomy™ Eye

8000843



3B SMART ANATOMY SET

SENSES

Delivery scope:

- Eye Model, 3-times life-size, 6-part
- Ear Model, 3-times life-size, 4-part
- Nose Model with Paranasal Sinuses, 5-part
- Skin Model, 80-times life-size, 3-part

8000847



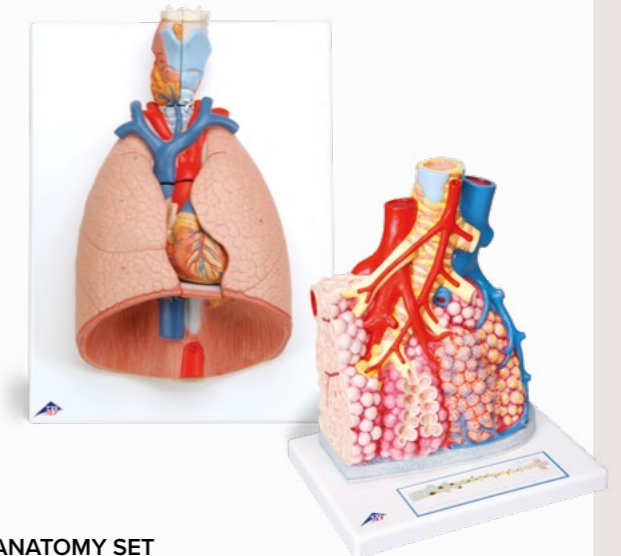
3B SMART ANATOMY SET

PREGNANCY

Delivery scope:

- Stages of Fertilization and of the Embryo,
- 2-times Magnification
- Pregnancy Pelvis, 3-part

8000848



3B SMART ANATOMY SET

LUNG

Delivery scope:

- Pulmonary Lobule with Surrounding Blood
- Vessels
- 3B MICROanatomy™ Pulmonary Lobule with Surrounding Blood Vessels

8000846

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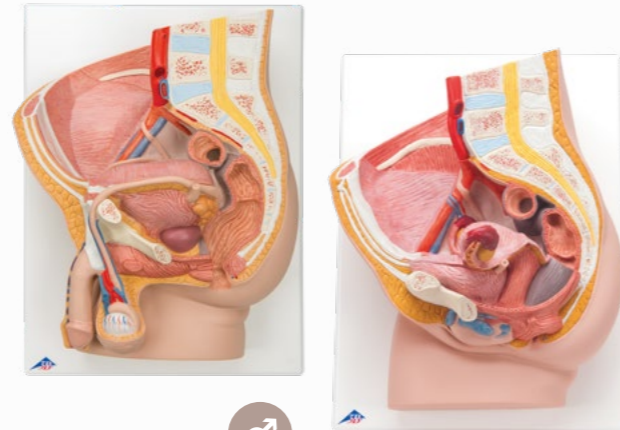
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3B SMART ANATOMY SET
MINI JOINTS

- Delivery scope:**
- Mini Hip Joint with Cross-Section
 - Mini Shoulder Joint with Cross-Section
 - Mini Knee Joint with Cross-Section
 - Mini Elbow Joint with Cross-Section

8000835



3B SMART ANATOMY SET
PELVIS

- Delivery scope:**
- Male Pelvis, 2-part
 - Female Pelvis, 2-part

8000837



3B SMART ANATOMY SET
FOOT MODELS

- Delivery scope:**
- Hollow Foot (Pes Cavus), life-size
 - Normal Foot (Pes Normal), life-size
 - Flat Foot (Pes Planus), life-size

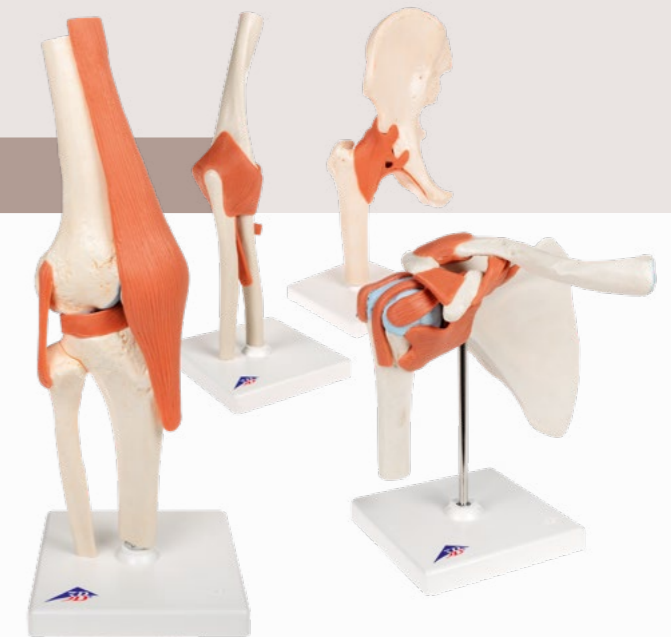
8000840



3B SMART ANATOMY SET
HAND AND FOOT

- Delivery scope:**
- Hand Skeleton Model with Ligaments and Muscles
 - Foot Skeleton Model with Ligaments and Muscles

8000839



3B SMART ANATOMY SET
JOINTS LUXURY

- Delivery scope:**
- Deluxe Functional Shoulder Joint Model
 - Deluxe Functional Knee Joint Model
 - Deluxe Functional Hip Joint Model
 - Deluxe Functional Elbow Joint Model

8000834



3B SMART ANATOMY SET
JOINTS

- Delivery scope:**
- Functional Shoulder Joint Model
 - Functional Knee Joint Model
 - Functional Hip Joint Model
 - Functional Elbow Joint Model

8000832



3B SMART ANATOMY SET
VERTABRAE

- Delivery scope:**
- Cervical Spinal Column
 - Lumbar Spinal Column
 - Thoracic Spinal Column

8000836

1000

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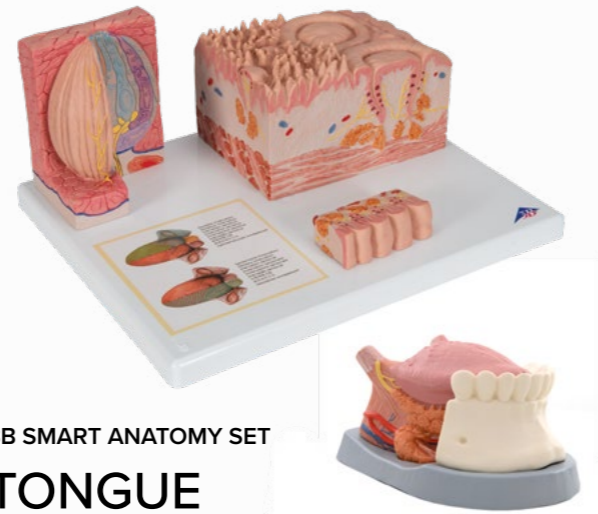
3B SMART ANATOMY SET

MUSCLE

Delivery scope:

- 3B MICROanatomy™ Muscle Fiber
- Deluxe Muscle Arm, 6-part, life-size

8000904



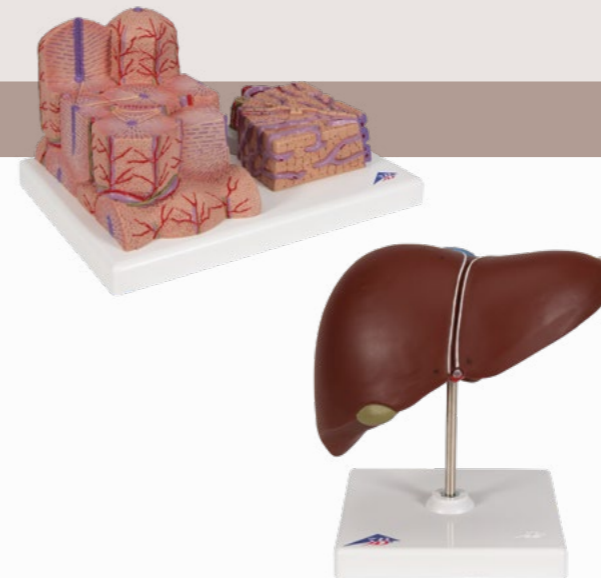
3B SMART ANATOMY SET

TONGUE

Delivery scope:

- 3B MICROanatomy™ Tongue
- Tongue Model, 2.5 times life-size, 4-part

8000905



3B SMART ANATOMY SET

LIVER

Delivery scope:

- 3B MICROanatomy™ Liver
- Liver with Gallbladder

8000908



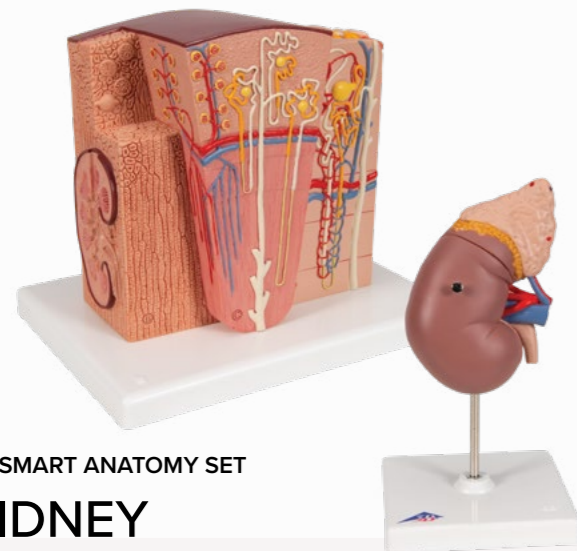
3B SMART ANATOMY SET

ANTHROPOLOGY COMPARISON

Delivery scope:

- Replica Homo Erectus Pekinensis Skull
- Classic Human Skull Model, 3-part

8000910



3B SMART ANATOMY SET

KIDNEY

Delivery scope:

- 3B MICROanatomy™ Kidney
- Kidney with Adrenal Gland, 2-part

8000906



3B SMART ANATOMY SET

DIGESTIVE

Delivery scope:

- 3B MICROanatomy™ Digestive
- Digestive System, 2-part

8000907



3B SMART ANATOMY SET

ANESTHESIOLOGY LAB KIT

Delivery scope:

- Epidural & Spinal Injection Sim
- Lumbar Spinal Column
- Pregnancy Pelvis

8000874



3B SMART ANATOMY SET

INTRO TO OB LAB BASIC

Delivery scope:

- Basic Birthing Simulator P90 B
- Basic Pregnancy Series
- Labour Stages Model

8000877

102

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> SAVE UP TO 15% WITH OUR ANATOMY SETS!



3B SMART ANATOMY SET SCHOOL

Delivery scope:

- Skeleton Model – Stan
- Classic Unisex Torso, 12-part
- Skin Section, 40 times full-size
- Eye, 5-times full-size, 6-part
- Pregnancy Pelvis, 3-part
- Ear Model, 3 times life-size, 6-part

8000901



3B SMART ANATOMY SET

MICROanatomy™

Delivery scope:

- 3B MICROanatomy™ Bone structure – 80 times enlarged
- 3B MICROanatomy™ Muscle Fiber
- 3B MICROanatomy™ Eye
- 3B MICROanatomy™ Artery and Vein
- 3B MICROanatomy™ Kidney
- 3B MICROanatomy™ Digestive System
- 3B MICROanatomy™ Liver
- 3B MICROanatomy™ Tongue

8000903



HEALTH EDUCATION

High-quality, functional products to help educate about common health risks and diseases. Ideal for educating patients and for student training.

> PLEASE SEE PAGE 108 TO FIND OUT MORE ABOUT THE MODEL FOR GYNECOLOGICAL PATIENT EDUCATION (1013705), FEATURED IN THE IMAGE ABOVE

WEARABLE BREAST SELF EXAMINATION MODEL

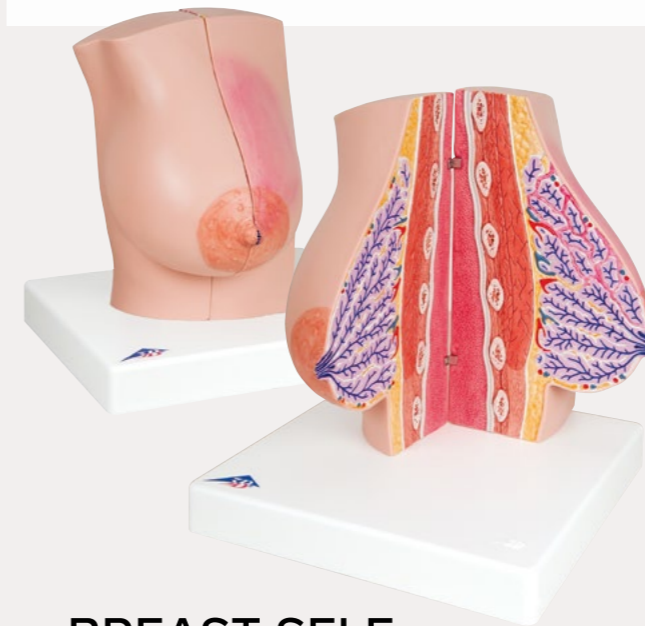
Demonstrate realistic self-examination with this natural casting of a female upper body with C-cup breasts. It can easily be worn in order to better train and practice breast self-examination.

- Made of 3B Scientific® SKINlike™ high-quality silicone for a realistic feel
- Breast examination is possible in both upright and lying positions
- Benign and malignant tumors in different stages of development
- create an understanding of what to feel for

Includes:

"Female Breast" chart 1001576, talcum powder, harness, and stand.

Model with Aluminum Carrying Case	1000342
Model without Case	1000343



3B SMART ANATOMY

MODEL OF FEMALE BREAST

This model is an extremely valuable tool to demonstrate the differences between healthy and unhealthy breast tissue. Shown are 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 for easy demonstrations.

36.5 x 23 x 20 cm; 1.4 kg	1008497
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BREAST SELF EXAMINATION MODEL, 3 SINGLE BREASTS ON BASE

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.

- Made of 3B SKINlike™ high-quality silicone for a realistic feel
- Benign and malignant tumors in different stages of development are featured in two breasts
- The third breast is healthy for comparison

52 x 24.5 x 9.5 cm; 2.3 kg	1000344
Single Breast with Benign Tumor	1000345

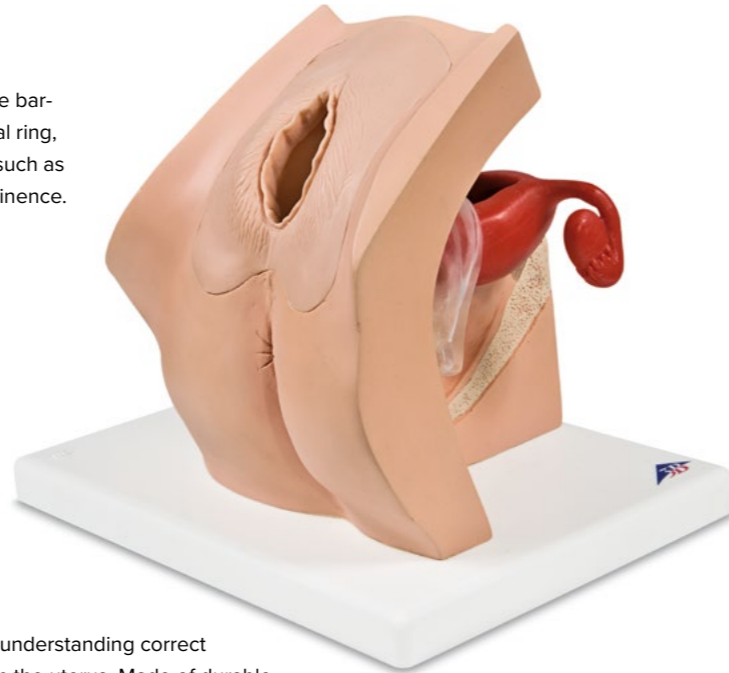


MODEL FOR GYNECOLOGICAL PATIENT EDUCATION

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 various types of pessaries such as ring, bowl or cube which are used in the event of a prolapse or incontinence. Transparent part allows for clear inside view.

26 x 19 x 22 cm; 1.5 kg 1013705

IDEAL FOR DEMONSTRATION PURPOSES!



I.U.D. TRAINER

The hand-held trainer is a suitable aid for understanding correct positioning of I.U.D. (Intrauterine Device) in the uterus. Made of durable plastic, a transparent cover for easy visualization. I.U.D. not included.

6 x 40 x 45 cm 1005766

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 is supplied with:

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

25.4 x 25.4 x 25.4 cm; 2.3 kg 1005784



Removable parts

3B SMART ANATOMY

HUMAN IMMUNODEFICIENCY VIRUS (HIV) MODEL

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; 0.70 kg 1000336



FEMALE CONDOM MODEL

Represents an anteverted 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.

17.5 x 24 x 14 cm 1005826



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.

35.5 x 15 x 16.5 cm; 2.30 kg 1005560

Optional Equipment:

UV-Fluorescent Artificial Semen 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 desk with adhesive tape. Delivered without condoms.

14.5 cm 1005115



CONDOM TRAINING KIT

Use this model to quickly teach how to use a condom safely. Realistic anatomical structures and firmness. 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 1000340

Dark Skin Tone 1000341

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 1017935

TRAINING MODEL FOR A FEMALE CONDOM

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

Light Skin Tone 1000339

Dark Skin Tone 1000338



3B SMART ANATOMY
EMBRYONIC DEVELOPMENT MODEL IN 12 STAGES

Represents 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 base individually:

1. Ovum at time of fertilization (conception) with male gamete (sperm)
2. Zygote at 2-cell stage, approx. 30 hours after fertilization
3. Zygote at 4-cell stage, after around 40–50 hours
4. Zygote at 8-cell stage, after around 55 hours
5. Morula
6. Blastocyst after around 4 days
7. Blastocyst after around 5 days
8. Blastocyst after around 8–9 days
9. Germ cells at approx. 11th day
10. Germ cells at approx. 20th day
11. Embryo at around the end of the 1st month of pregnancy
12. Embryo at around the end of the 2nd month of pregnancy

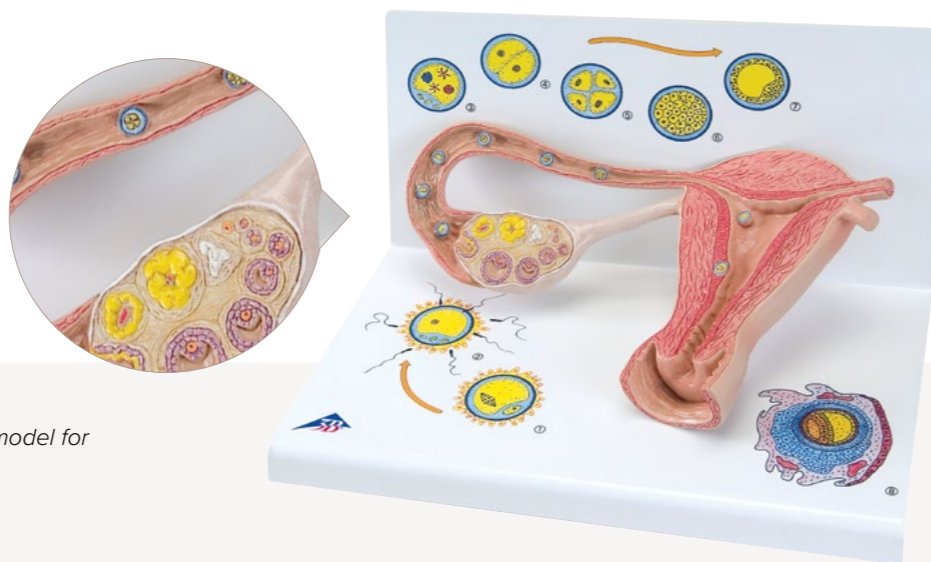
1001257

3B SMART ANATOMY

STAGES OF FERTILIZATION OF THE EMBRYO – 2 TIMES LIFE-SIZE

This model illustrates schematically how the ovum matures, how ovulation and fertilization occur and how the fertilized ovum develops to the stage where it embeds itself in the womb wall to begin the 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 also printed on the base.

35 x 21 x 20 cm; 1.20 kg 1000320



Easy-to-understand model for patient education!

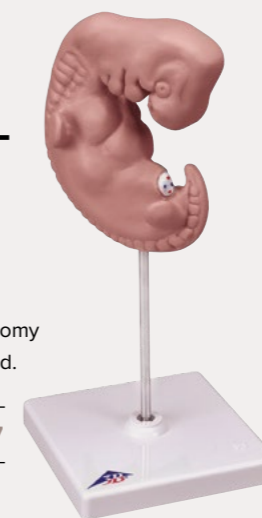
110

Models are also sold individually!

3B SMART ANATOMY
HUMAN EMBRYO MODEL – 25 TIMES LIFE-SIZE

This human embryo model shows the anatomy of an embryo at approximately 4 weeks old.

12 x 12 x 23 cm; 0.30 kg 1014207



3B SMART ANATOMY
DELUXE PREGNANCY SERIES, 8 MODELS

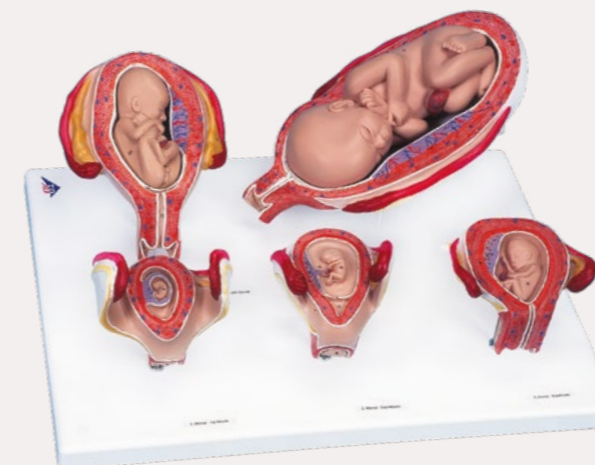
Study human development from the 4th week through the 7th month. Our most popular series includes eight models to show the complete stages of development. All embryo or fetus models are shown in different typical positions in the uterus and each is mounted separately on an individual stand. The five later stages of development allow the fetus to be removed.

1018627

3B SMART ANATOMY
BASIC PREGNANCY SERIES – 5 MODELS

This series consists of five models mounted on one base to show the most important stages of development: 1st month, 2nd month, 3rd month, 5th month and 7th month. The 5th and 7th month stages have detachable fetuses.

13 x 41 x 31 cm; 2.10 kg 1018633



3B SMART ANATOMY
DELUXE PREGNANCY SERIES + EMBRYO MODEL

Includes all models above plus the model of an embryo of approx.

4 weeks old, at 25 times life-size	1018628
1st Month Embryo	1000322
2nd Month Embryo	1000323
3rd Month Embryo	1000324
4th Month Fetus (Transverse Lie)	1000326
5th Month Fetus (Breech Position)	1000330
5th Month Fetus (Transverse Lie)	1000327
5th Month Twin Fetuses (Normal Position)	1000328
7th Month Fetus	1000329

> REALISTIC AND HIGH QUALITY

3B SMART ANATOMY
PREGNANCY PELVIS, 3-PART

This anatomy model is a representation of a median section through the female pelvis at 40 weeks pregnant with a removable fetus. Study or demonstrate the normal position of baby before birth with this model plus the human reproductive and urinary systems. A uterus with embryo in 3rd month of pregnancy is mounted on base for added detail and comparison. The realistic and high-quality female pelvis includes the female genital organs and other important anatomical details.

38 x 25 x 40 cm; 3.80 kg 1000333



Median section with removable fetus

3B SMART ANATOMY

CHILD BIRTH 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; 1.81 kg 1000334



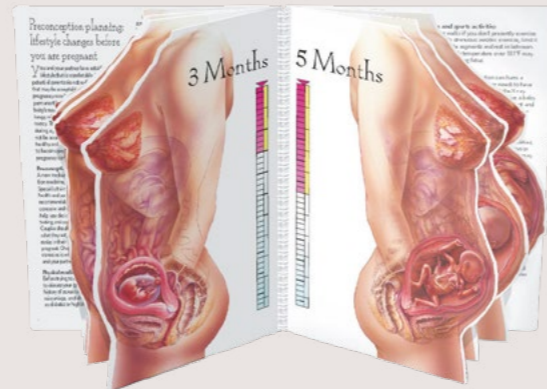
3B SMART ANATOMY

BIRTHING PROCESS, 5 STAGES

Anatomical representation of human birth. 5 stages of the birthing process, mounted individually on bases.

- 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

17 x 28 x 46 cm; 8.62 kg 1001258



“WITH CHILD” DISPLAY

This life-size, standing childbirth display with overlapping images shows the childbearing cycle from preconception planning through six-weeks postpartum. In English.

14.5 cm 1005115

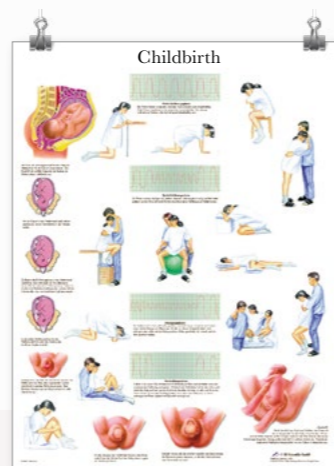
3B SMART ANATOMY

LABOR STAGES MODEL

At 1/2 the size of 1001258, these models are an anatomically detailed representation of human birth. The birth models are supplied on one baseboard, included stages:

- 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

40 x 31 x 13 cm; 1.36 kg 1001259



“WITH CHILD” DISPLAY

The stages of childbirth are discussed as well as the anatomical details of human labor. 51 x 66 cm; printed on premium glossy paper. Different languages are available online.

4006704

READY-OR-NOT TOT® MANIKINS

The perfect tool to educate soon-to-be parents and to demonstrate the reality of parenthood. Ready-or-Not Tot® manikins use set programs and the response can easily be tracked using the template provided.

- Three different tending programs typical of most babies
- Tots cry, coo, and burp in response to appropriate care
- Programs are 48 hours in length and run continuously with 25–27 tending occurrences

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, nappy, and instructions. Anatomically correct newborn-size, representing a baby of a teen mum.

2.49 kg, 51 cm long

Light Skin Tone Male	1017931
Light Skin Tone Female	1017932
Dark Skin Tone Male	1018137
Dark Skin Tone Female	1018138



The original manikin that simulates a baby's varying needs!



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.

Fetus	1005571
Placenta & Umbilical Cord	1005573

BABY CARE MODELS

Ideal model for training the main principles of baby care at school and in preparation courses for young parents. It allows dressing, undressing, washing, changing nappies, and many other procedures. Realistic newborn size with movable joints and can be dressed in ordinary baby clothes.

Dark Skin Tone Baby Male	1005092
Dark Skin Tone Baby Female	1005093
Asian Baby Male	1005090
Asian Baby Female	1005091
Light Skin Tone Baby Male	1005088
Light Skin Tone Baby Female	1005089



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.

26 x 23 x 18.5 cm; Beige Skin Tone 1017933

26 x 23 x 18.5 cm; Brown Skin Tone 1017934



TESTICLE SELF-EXAM MODEL

By using 3B Scientific® SKINlike™ high-quality silicone, learning and practicing self-examination of the testicles becomes even more realistic. The scrotum contains two movable testicles, the epididymis, 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.

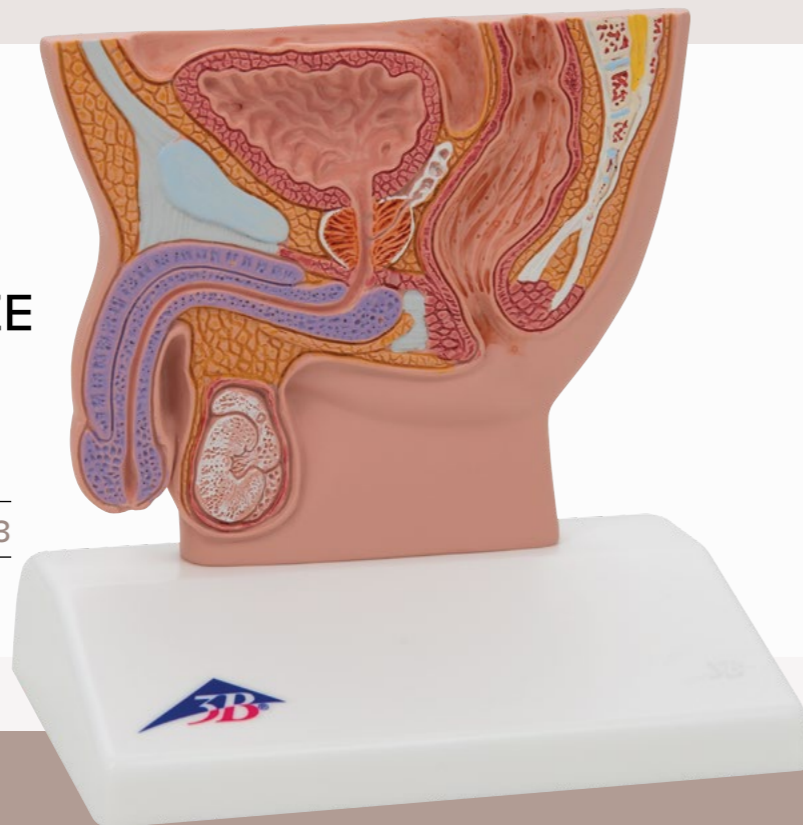
9 x 8 x 4 cm; 0.19 kg 1000346

> REALISTIC REPLICA!

3B SMART ANATOMY MALE PELVIS SECTION, 1/2 LIFE-SIZE

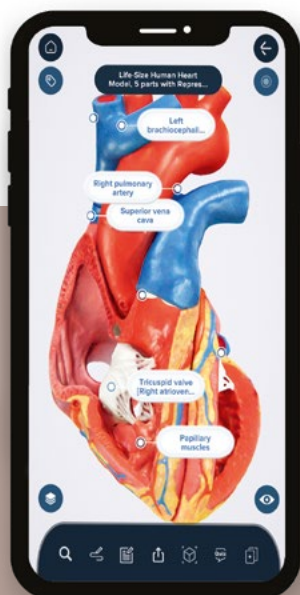
This cross section of the male genital organs shows all structures in detail. It is a great replica of the anatomy of the male pelvis.

13.5 x 10 x 14 cm; 0.24 kg 1000283



THERE'S MORE!

VISIT 3BSCIENTIFIC.COM TO ACCESS OUR FULL RANGE OF TRAINING SOLUTIONS FOR MEDICAL EDUCATION AND SIMULATION.



Every original 3B Scientific® Anatomy Model opens direct access to its virtual twin on your smartphone, tablet or desktop – anytime, anywhere.

Start 3B SMART ANATOMY to:

- Test your skills with anatomy quizzes
- Use the commenting function to add notes to your digital model
- Access your files both online and offline

More on page 4.