



**merkim**  
Simülasyon Eğitim ve Anatomi Maketleri



**ALTAY**  
SCIENTIFIC

*Crafted for your world.*

# Anatomy & Biology Catalogue



**ALTAY**  
SCIENTIFIC

*Crafted for your world.*

# Think before You Buy

Altay is committed to making our world a better place to live.



*100% Pollution Free*

- Altay is the first supplier of educational equipment to be ISO 14001:2004 certified.
- The ISO standard assesses the management of all environmental aspects of our business activities including environmental protection and the socio-economic needs of our constituents.
- In Italy, Altay's headquarters and **production facilities have been 100% converted to solar power.**
- Altay's catalogues and **packing materials** are produced from **recycled paper.**
- Altay's products are produced with **non-toxic materials and are fully compliant with all international and EU safety regulations.**
- Altay has been awarded the **WorldDidac Quality Chart**, a quality certification that goes beyond existing ISO standards and provides the assurance that a company has the capacity to deliver products and services that contribute to a quality education for our children and sustainable growth for our planet.
- Altay's corporate commitment to the environment attracts and motivates employees dedicated to delivering the best goods and services to our customers worldwide.**

TO LEARN MORE [www.altayscientific.com](http://www.altayscientific.com)



*Crafted for your world.*

## About Altay

Started as a family business more than 60 years ago, Altay has grown into a 21st century, international company with operations on 5 continents employing more than 500 people.

But family traditions and values are still the basis of our work.

We are ready to meet today's market demands with the passion and dedication of the past, together with the technology and tools of tomorrow.

## Altay Vision

Altay Scientific is a leading company in the global market for science education sold through a worldwide network of authorized dealer partners.

Altay produces a full line of innovative and user friendly products based upon the highest technology research and development married to high quality, low cost production techniques and processes.

The Altay brand stands for innovation, value and customer orientation. The global Altay organization remains committed to investing the necessary human and financial capital in the Altay Vision.

## Altay Mission

The search for knowledge is a need that comes from human nature.

To satisfy this need is to overcome the social, economic and intellectual differences that can only divide us.

Our mission is to develop and market innovative, user friendly and affordable products to allow and facilitate this search for knowledge. Altay will continue to support technology development, continually improving goods and services maximizing a humanistic vision of society and progress.

In pursuing our corporate goals, we will adhere to the most rigorous professional ethics regarding every aspect of our business.

We will be part of and "give back" to all of the communities where we do business.

## Our R&D Biology Department

Thanks to our highly qualified staff who works in our R&D Biology Dept., Altay has become a leader in developing and crafting biology teaching equipment that is anatomically accurate, durable and user-friendly.

Our dedicated, creative team of experts strives to develop a range of new products that facilitate teaching and motivate learners by bringing science to life!



**Luigi Altomare, PhD**

Head of Scientific Innovation



# Dear Customer,

Altay operates under one simple notion: to create high-quality teaching products that are affordable. Research into modern teaching methods and their practical applications in classrooms have helped us to develop our product line. To do that, we've spent a lot of time in schools teaching, watching and learning.

We truly believe that effective learning comes from direct experiences. Altay is engaged in designing and developing a full range of products that will both motivate students and help teachers to convey theory in a stimulating and exciting way.

**In other words, Altay's products are CRAFTED FOR YOUR WORLD, crafted just for you!**

**Pierpaolo Barzan**  
V.P. Marketing and Sales

## CONTENTS

	<b>03</b>	HUMAN ANATOMY MODELS
	<b>75</b>	GENERAL BIOLOGY MODELS
	<b>85</b>	CHARTS
	<b>90</b>	PROMOTIONAL ITEMS
	<b>91</b>	INDEX

## PRODUCTS HIGHLIGHT



### 84 FROG

This 3X life size model provides a highly accurate illustration of the morphology of a frog.

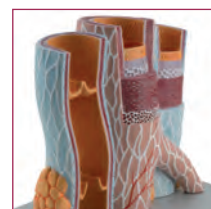


### 84 HEN

This 8-part life-size model describes in great detail the anatomy of a hen.

### 36 STRUCTURE OF ARTERY AND VEIN

An important support for understanding the difference between artery and vein histology.



### 05 MUSCULAR TORSO NATURELLE

Life size, it is composed of 28 parts and all body systems are represented and easily accessible.



We reserve the right to change specifications, product description, product quality and application at any time without prior notice. We assume no liability for errors in regards to specifications, part numbers or model application.



## PRODUCTS HIGHLIGHT



### **05** MUSCULAR TORSO NATURELLE

Life size, it is composed of 28 parts and all body systems are represented and easily accessible.



### **23** DISC HEAD

This life-size head model is sliced horizontally into 12 pieces, giving an idea of how computer tomography works

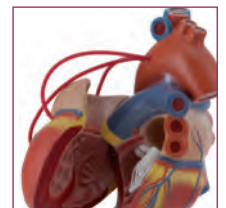
### **15** HUMAN TORSO CD-ROM GUIDE

This CD-ROM Guide greatly extends the educational value of the Altay anatomical torsos



### **37** INTRODUCTORY CORONARY BYPASS

This model provides a detailed illustration of the anatomy of the human heart with three coronary bypasses.





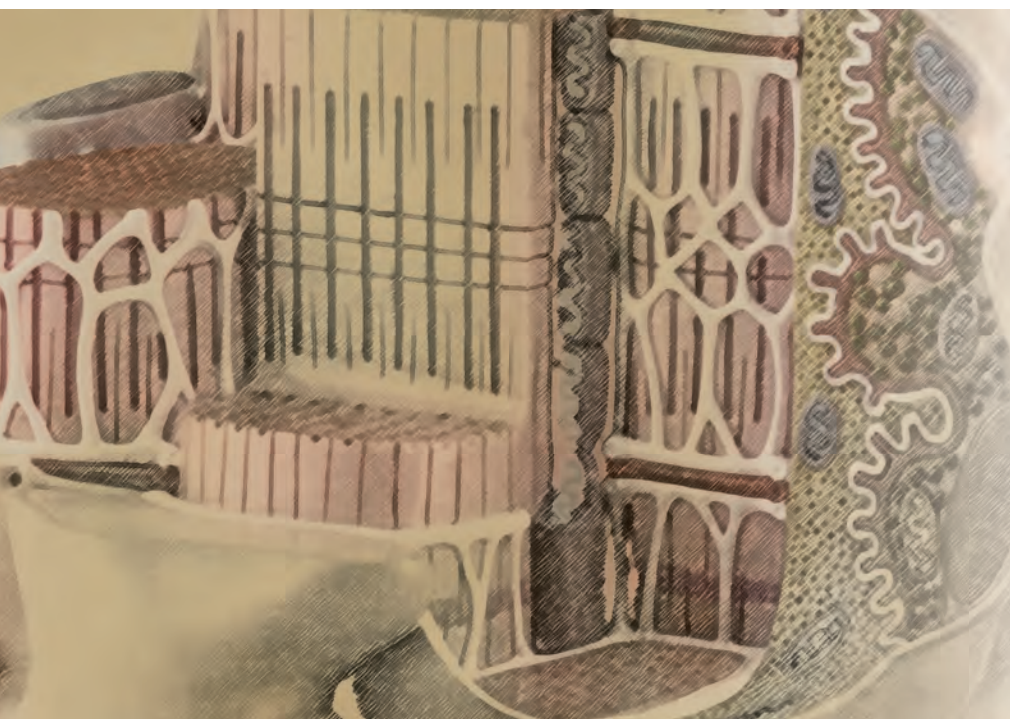
With Altay's models you can observe even the smallest detail of the human anatomy. Our detailed and realistic reproduction of the human organs and systems will prove to be a key tool for your biology classes.

Our cooperation with prestigious International Institutions and the use of real specimens allows us to design and develop accurate and realistic models.

All aspects of the human anatomy will be easier to understand and will fulfill perfectly all your teaching and learning needs, from primary education to university level.

Altay Biology models are made of durable polyvinyl resin and hand painted by skilled craftsman with a safe non-toxic paint. This ensures durability and environmental friendly models with a very natural look and feel.

## HUMAN ANATOMY MODELS

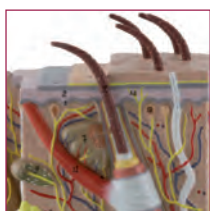


<b>4</b>	Torsos
<b>16</b>	Anatomy of the Human Trunk
<b>18</b>	Musculature
<b>21</b>	Head, Brain and Nervous System
<b>29</b>	Sense Organs
<b>32</b>	Respiratory System
<b>35</b>	Heart and Circulatory System
<b>38</b>	Digestive System
<b>44</b>	Urinary System
<b>47</b>	Reproductive System
<b>52</b>	Endocrine System
<b>53</b>	Skin
<b>55</b>	Skeletal System
<b>65</b>	Teeth
<b>68</b>	Extremities
<b>70</b>	Training Model/Acupuncture
<b>71</b>	Pathology Models



### **50** FEMALE PELVIC CAVITY

This single-piece life-size model is a very useful tool to study the female pelvic anatomy

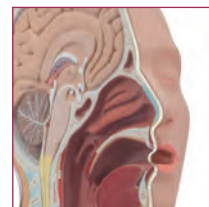


### **54** SKIN MODEL, 35X LIFE-SIZE

This three-dimensional model shows the structure of the human skin.

### **70** NG & TRACHEOSTOMY TEACHING TORSO

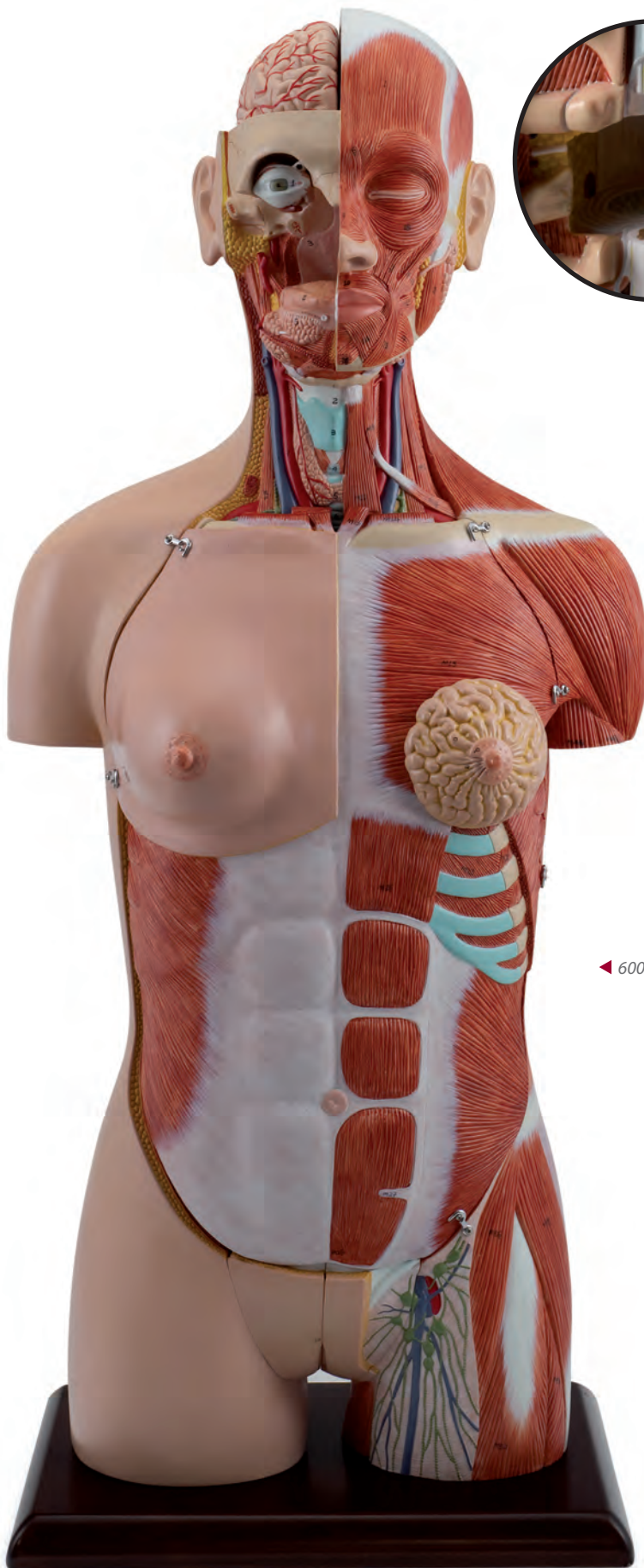
The N(aso) G(astric) & Tracheostomy Teaching Torso is a 3-dimensional, 2-sided hand-painted torso.



### **66** PERMANENT TEETH

This set model, composed of 16 pieces, shows in great detail the morphology of the permanent teeth.





◀ 6000.54

### Altay

is proud to present to you the  
**"best of the best"**  
 in anatomical models,  
 the **Altay human muscular  
 torso Naturelle**

You will be amazed by the combination  
 of scientific precision and the  
 incredibly natural look and feel of this  
 top of the line torso.

The colors and surface hardness of  
 this anatomical model are uniquely  
 realistic.

Add to all this extreme durability  
 and scratch resistance backed by an  
 industry best warranty - all at a very  
 competitive price- and you have an  
 irresistible opportunity to upgrade  
 your lab



### MUSCULAR TORSO NATURELLE

6000.54

Life size, it is composed of 28 parts and all body systems are represented and easily accessible. The left side exposes all significant superficial and deep muscles with vessels and bones. The open back shows muscular layers as well as the vertebral column and associated nerve branches. A thoracic vertebra, including a section of spinal cord, is removable for close examination of its anatomical details.

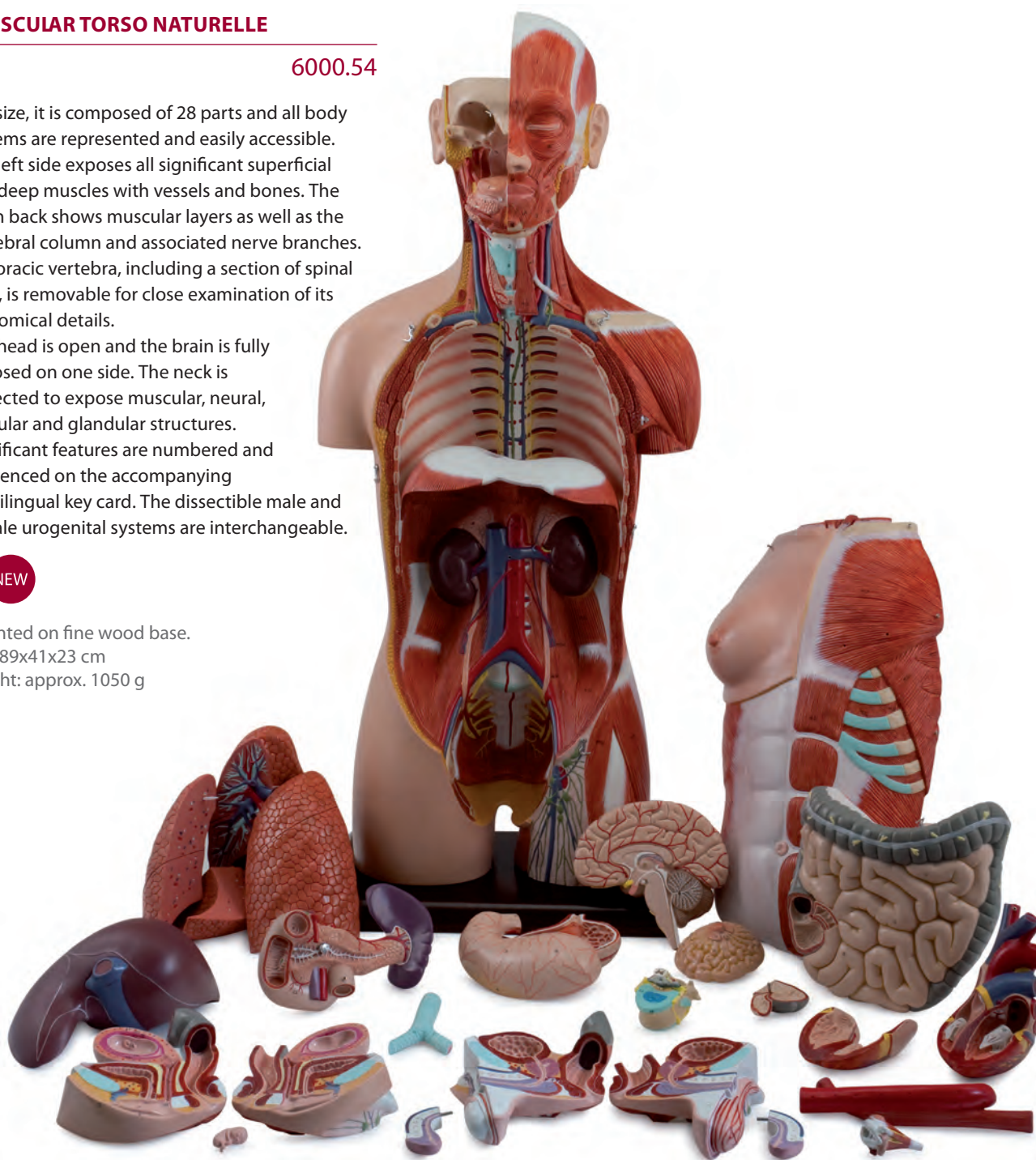
The head is open and the brain is fully exposed on one side. The neck is dissected to expose muscular, neural, vascular and glandular structures. Significant features are numbered and referenced on the accompanying multilingual key card. The dissectible male and female urogenital systems are interchangeable.

NEW

Mounted on fine wood base.

Size: 89x41x23 cm

Weight: approx. 1050 g



#### Removable structures include the following:

- eye with optic nerve and extraocular muscles
- half of the brain, divided along the longitudinal fissure, showing internal structures and blood vessels
- trachea
- descending thoracic aorta and esophagus
- right and left lungs (2 parts each), showing the bronchial tree and vasculature
- chest and abdominal cover, showing superficial musculature
- mammary gland
- liver with gallbladder
- half of one kidney sectioned along the frontal plane, showing the internal structure and vessels
- 2-part heart with clear representation of atria, ventricles, valves and section of heart wall
- stomach dissected in 2 parts
- pancreas, duodenum and spleen with vessels and ducts
- small and large intestines with removable cover over portion of caecum
- male urogenital systems (4 parts)
- female urogenital system (3 parts) including embryo
- thoracic vertebra (T12) with spinal cord

### BUDGET SEXLESS TORSO, 12 PARTS

6000.61

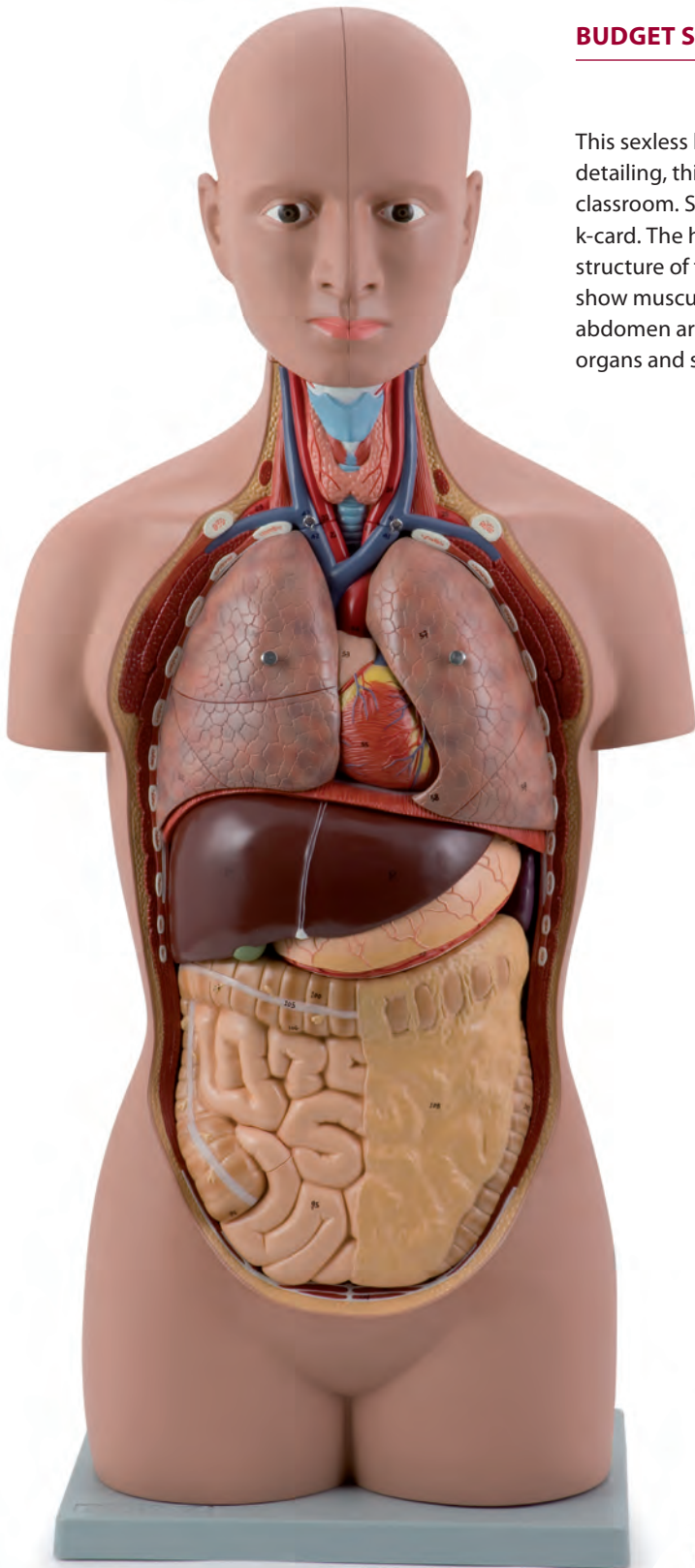
This sexless life-size torso is composed of 12 parts. Accurate in all of its detailing, this model is a useful tool to show the human anatomy in any classroom. Structures are numbered and identified on the accompanying k-card. The head is removable and divided into two parts, exposing the inner structure of the brain. The neck is dissected through the ventral surface to show muscular, glandular, vascular and neural structures. The thorax and abdomen are completely open, affording an unrestricted view of the internal organs and structures.

#### Removable components include the following:

- Head, divided into 2 parts, showing a section of the brain and the upper respiratory tract
- Half of the brain, divided along the longitudinal fissure to expose internal structures and vessels
- Right and left lungs, showing the bronchial tree and vasculature
- Heart
- Liver with gallbladder
- Stomach
- Pancreas, duodenum and spleen with vessels and ducts
- Small and large intestine with removable window in caecal region

◀ 6000.61

Mounted on base.  
Size: 89x41x23 cm  
Weight: 10300 g



### TORSO WITHOUT HEAD

6000.62

Same as 6000.61 without head.

Mounted on base. Size: 41x23x70 cm - Weight: 9200 g





### TORSO SEXLESS, 16 PARTS

6000.51

This life size sexless torso, composed of 16 parts, is appropriate for any human anatomy course. All of the major organ systems are represented with great attention to accuracy and detail. Structures are numbered and identified on the accompanying key and many additional features are included in the CD-ROM Guide. The head is open, exposing one half of the brain. The neck is dissected ventrally to expose muscular, neural, vascular and glandular structures. The thorax and abdomen are completely open, affording an unrestricted view of the internal organs and structures.

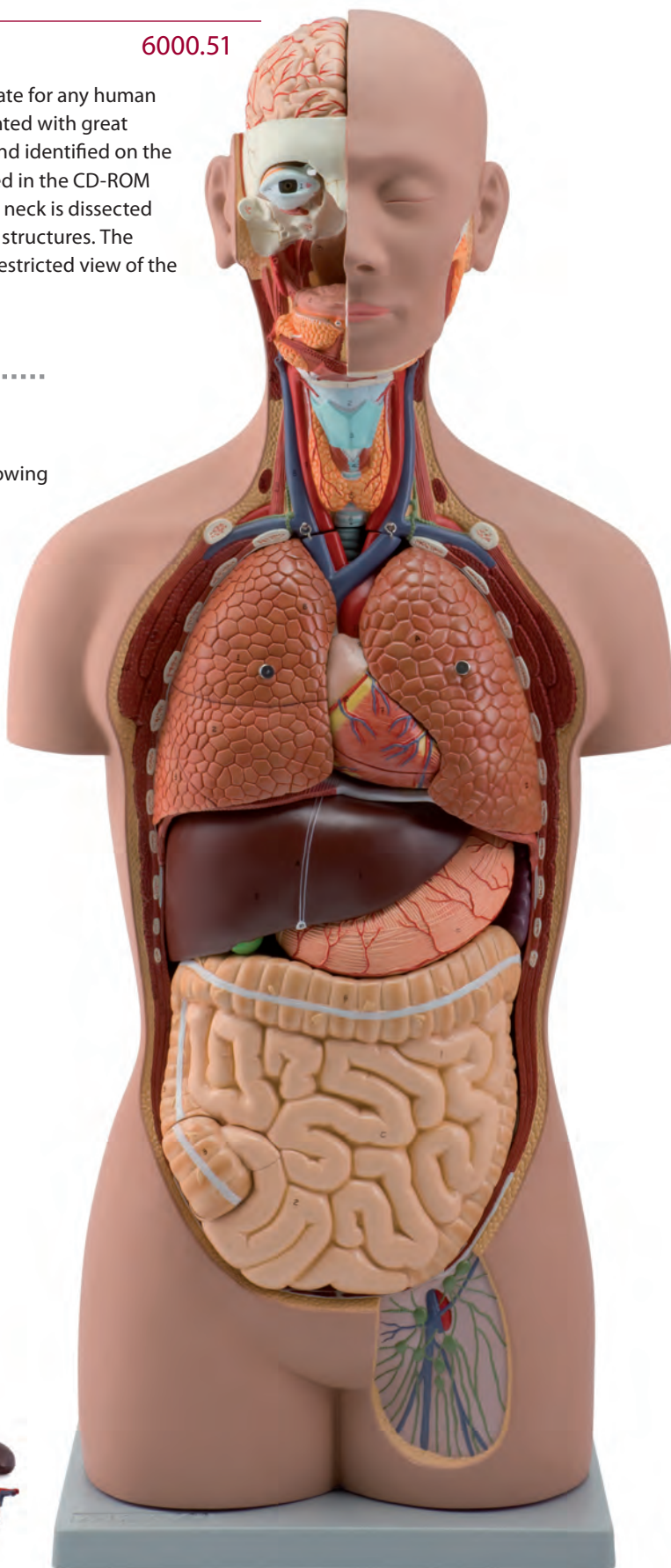
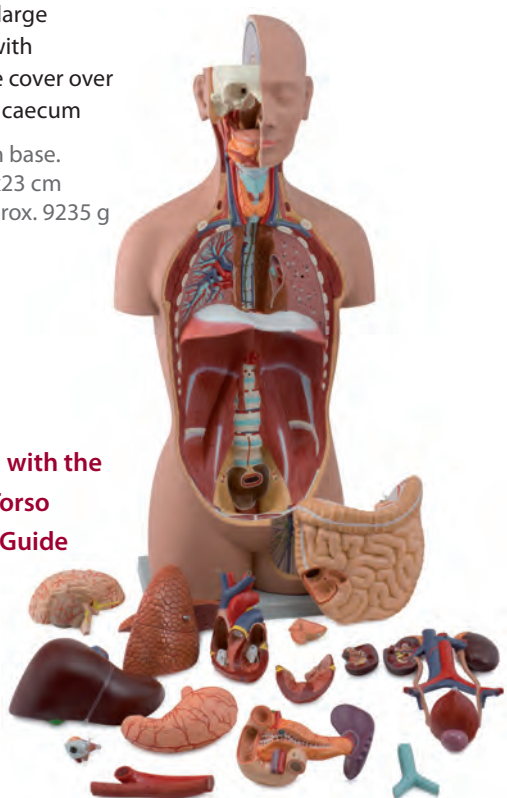
#### Removable structures include the following:

- half of the brain, divided along the longitudinal fissure, showing internal structures and blood vessels
- eye with optic nerve and extraocular muscles
- descending thoracic aorta and esophagus
- right and left lungs showing the bronchial tree and vasculature
- 2-part heart showing the atria, ventricles, cardiac valves and section through the ventricular heart wall
- half of one kidney, sectioned along the frontal plane to show the internal structure and vessels
- kidney, urethra and urinary bladder with prostate (removable in 2 parts)
- stomach, showing muscular and vascular structures
- pancreas, duodenum and spleen with vessels and ducts
- liver
- small and large intestine with removable cover over portion of caecum

Mounted on base.  
Size: 89x41x23 cm  
Weight: approx. 9235 g



**Supplied with the  
Human Torso  
CD-Rom Guide**



## HUMAN ANATOMY MODELS

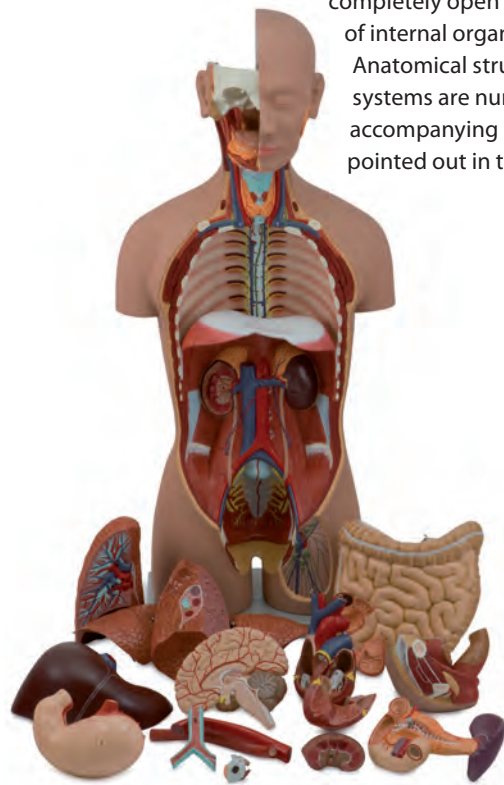
### Torsos

#### TORSO SEXLESS, 18 PARTS

6000.25

This life size torso is composed of 18 parts, providing a realistic and detailed reproduction of the internal organs. The head is sectioned to expose one half of the brain. The neck is dissected through the ventral surface to show muscular, glandular, vascular and neural structures. The thorax and abdomen are completely open to afford an unrestricted view of internal organs and associated structures. Anatomical structures of the major body systems are numbered and identified on the accompanying key; many additional features are pointed out in the pictorial CD-ROM Guide.

Supplied with the  
Human Torso  
CD-Rom Guide



6000.25 ►

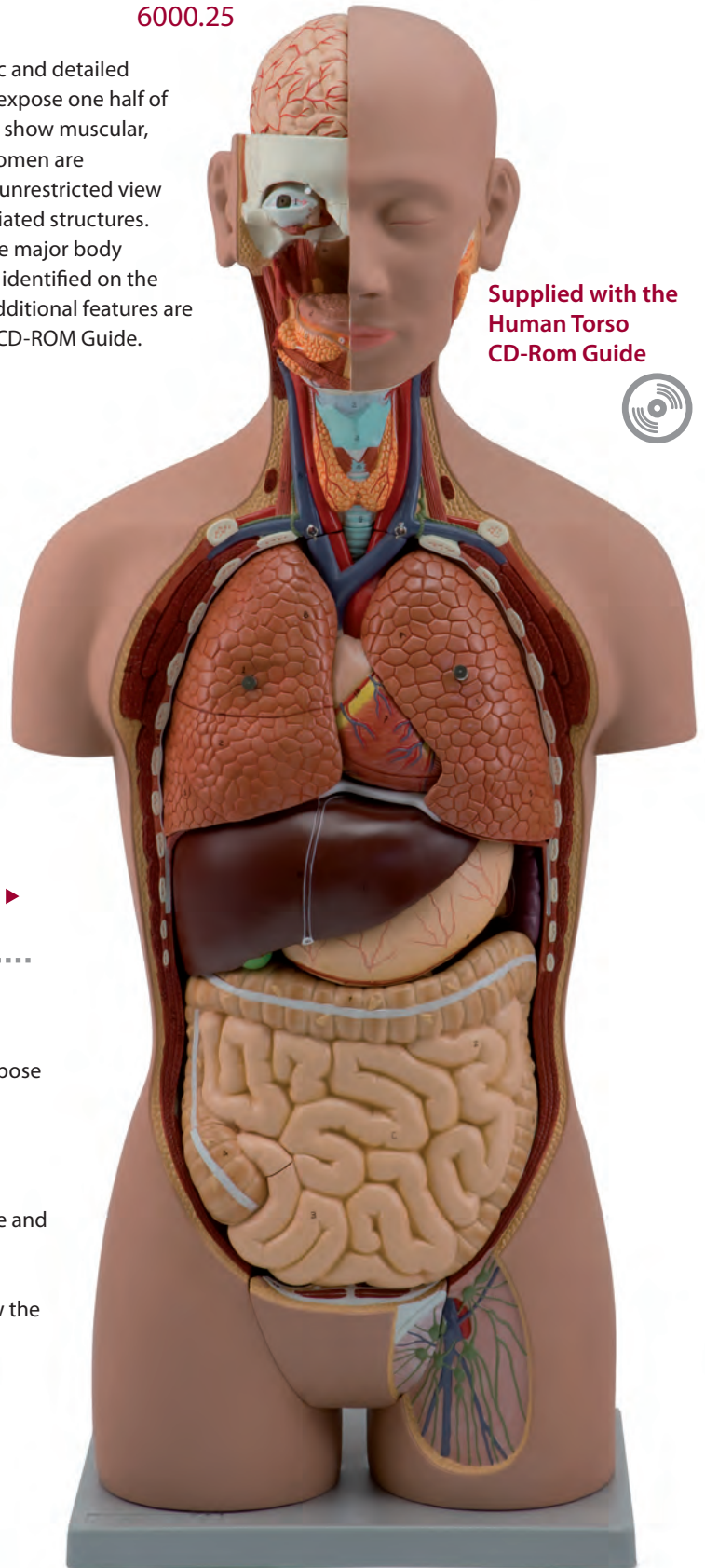
#### Removable components include the following:

- half of the brain, divided along the longitudinal fissure to expose internal structures and blood vessels
- eye with optic nerve and extraocular muscles
- trachea
- descending thoracic aorta and esophagus
- right and left lungs (2 parts each), showing the bronchial tree and vasculature
- liver with gallbladder
- half of one kidney, sectioned along the frontal plane to show the internal structure and vessels
- 2-part heart showing the atria, ventricles, cardiac valves and section through the ventricular heart wall
- stomach
- pancreas, duodenum and spleen with vessels and ducts
- small and large intestine with removable window in caecal region
- removable cover in the groin area

Mounted on base.

Size: 89.5x41x23 cm

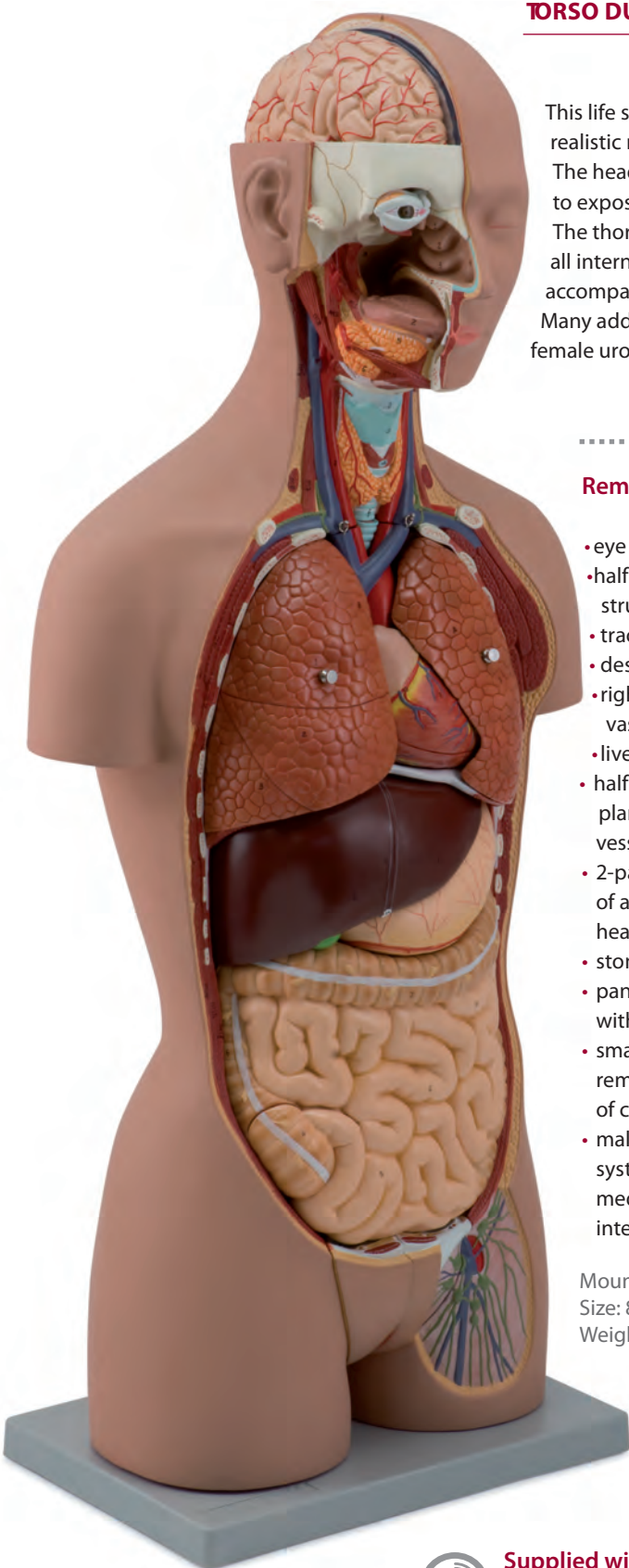
Weight: approx. 9300 g





### TORSO DUAL-SEX, 25 PARTS

6000.00



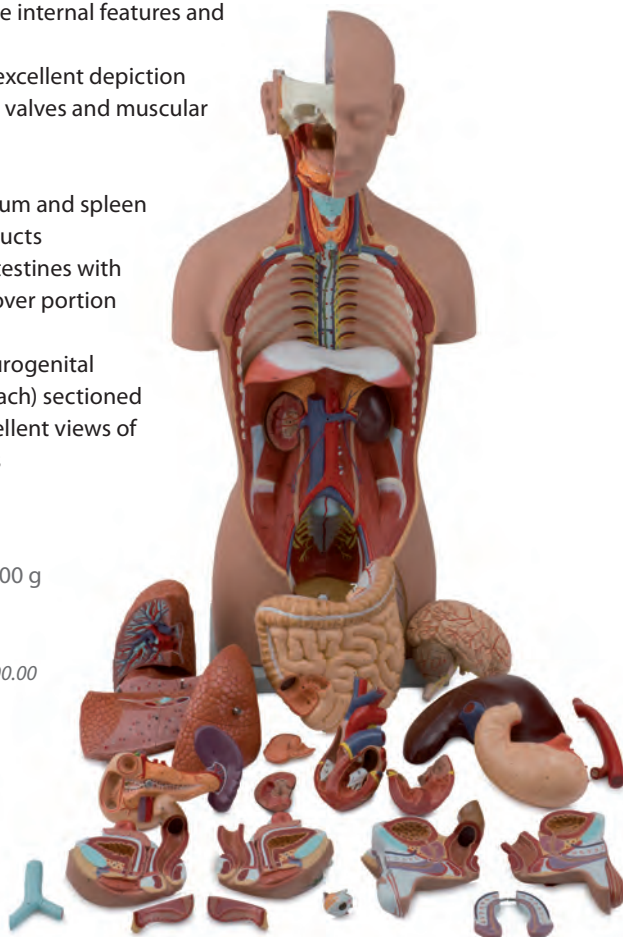
This life size closed back torso is composed of 25 parts that feature the most realistic reproductions of anatomical structures in their most intimate detail. The head is sectioned to expose half the brain. In addition, the neck is dissected to expose muscular, neural, vascular and glandular structures. The thorax and abdomen are completely open, providing an unrestricted view of all internal features. Significant structures are numbered and referenced on the accompanying key. Many additional features are included in the CD-ROM Guide. Separate male and female urogenital systems fit interchangeably into the main portion of the torso.

#### Removable structures include the following:

- eye with optic nerve and extraocular muscles
- half of the brain, divided along the longitudinal fissure, showing internal structures and blood vessels
- trachea
- descending thoracic aorta and esophagus
- right and left lungs (2 parts each), showing the bronchial tree and vasculature
- liver with gallbladder
- half of one kidney sectioned along the frontal plane, showing the internal features and vessels
- 2-part heart with excellent depiction of atria, ventricles, valves and muscular heart wall
- stomach
- pancreas, duodenum and spleen with vessels and ducts
- small and large intestines with removable cover over portion of caecum
- male and female urogenital systems (4 parts each) sectioned medially with excellent views of internal structures

Mounted on base.  
Size: 89.5x41x23 cm  
Weight: approx. 10400 g

◀ 6000.00



Supplied with the  
Human Torso  
CD-Rom Guide

## HUMAN ANATOMY MODELS

### Torsos

#### TORSO SEXLESS OPEN BACK, 17 PARTS

6000.52

This sexless life size torso is composed of 17 parts.

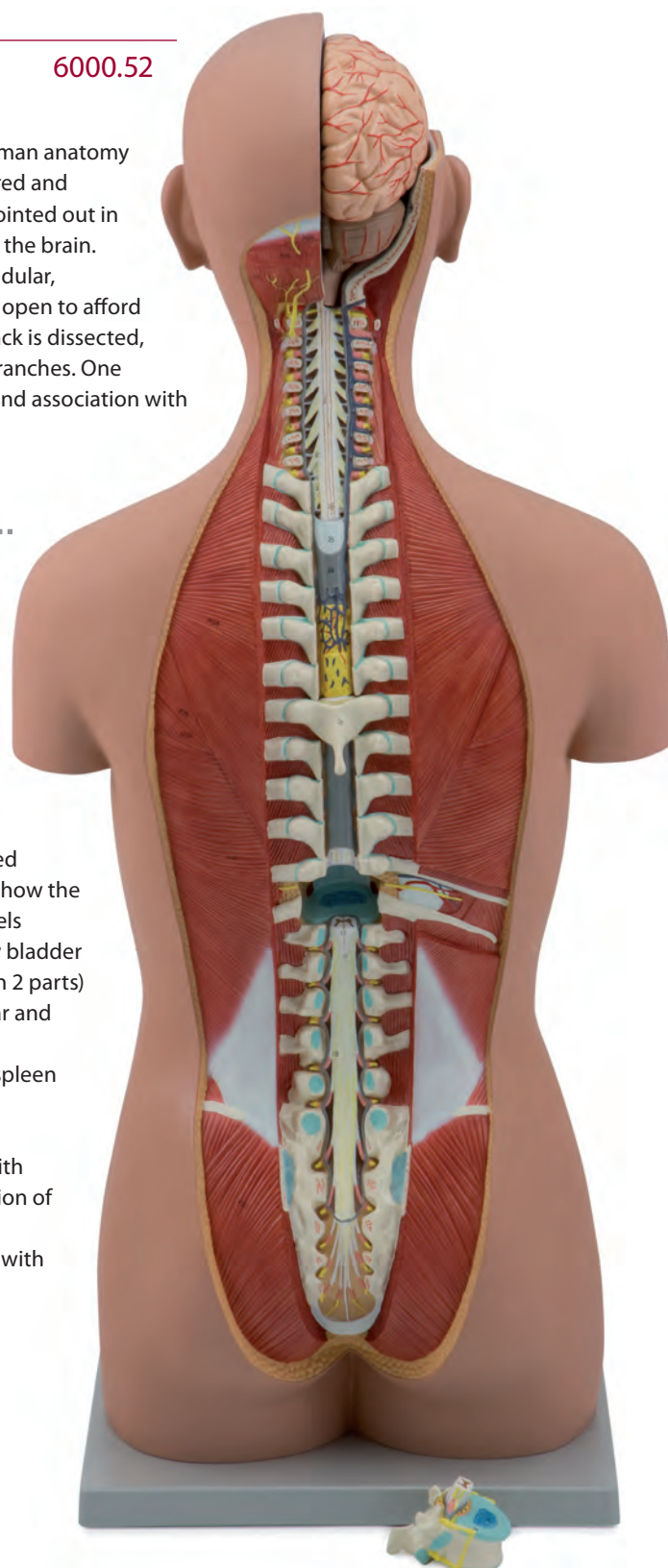
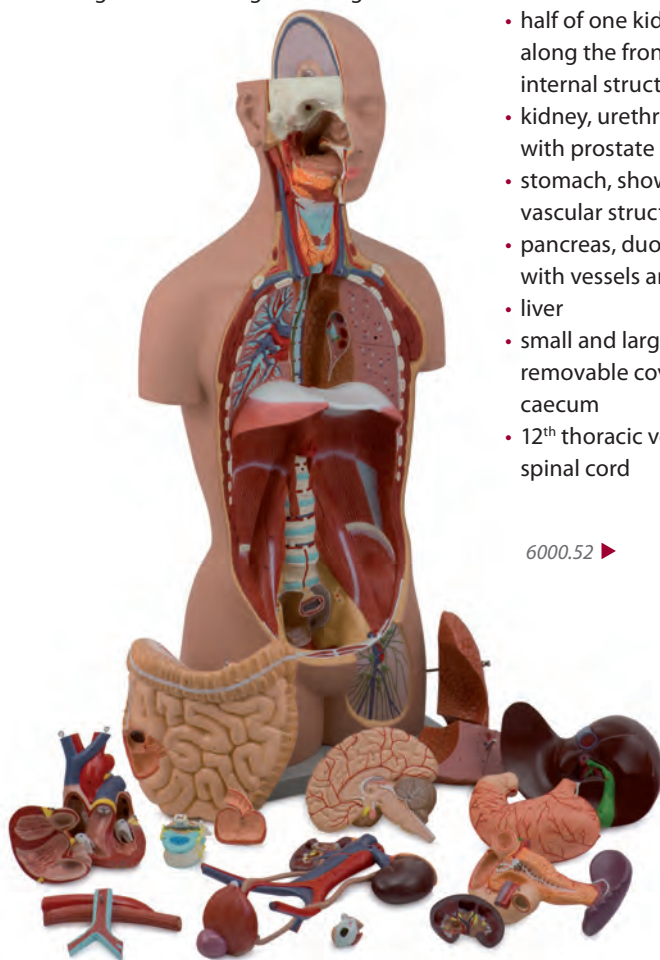
Accurate in all of its detailing, this model is appropriate for use in any human anatomy classroom. Anatomical structures of the major body systems are numbered and identified on the accompanying key, and many additional features are pointed out in the pictorial CD-ROM Guide. The head is sectioned to expose one half of the brain. The neck is dissected through the ventral surface to show muscular, glandular, vascular and neural structures. The thorax and abdomen are completely open to afford an unrestricted view of internal organs and associated structures. The back is dissected, revealing the muscular layers, vertebral column, spinal cord and nerve branches. One thoracic vertebra is removable for detailed examination of its structure and association with the spinal cord.

#### Removable parts include the following:

- half of the brain, divided along the longitudinal fissure to show internal structures and blood vessels
- eye with optic nerve and extraocular muscles
- right and left lungs showing the

- bronchial tree and vasculature
- descending thoracic aorta and esophagus
- 2-part heart showing the atria, ventricles, cardiac valves and section through the ventricular heart wall
- half of one kidney, sectioned along the frontal plane to show the internal structure and vessels
- kidney, urethra and urinary bladder with prostate (removable in 2 parts)
- stomach, showing muscular and vascular structures
- pancreas, duodenum and spleen with vessels and ducts
- liver
- small and large intestine with removable cover over portion of caecum
- 12<sup>th</sup> thoracic vertebra (T12) with spinal cord

6000.52 ►



Mounted on base  
Size: 89x41x23 cm  
Weight: approx. 9000 g



Supplied with the  
Human Torso  
CD-Rom Guide



## HUMAN ANATOMY MODELS

### Torsos

#### TORSO DUAL-SEX OPEN BACK, 27 PARTS

6000.50

A complete life size torso with open back is composed of 27 parts and provides an exceptionally realistic reproduction of anatomical structures in their finest detail. All of the body systems are represented with full accessibility. Significant structures are numbered and referenced on the accompanying key and many additional features are included in the CD-ROM Guide.

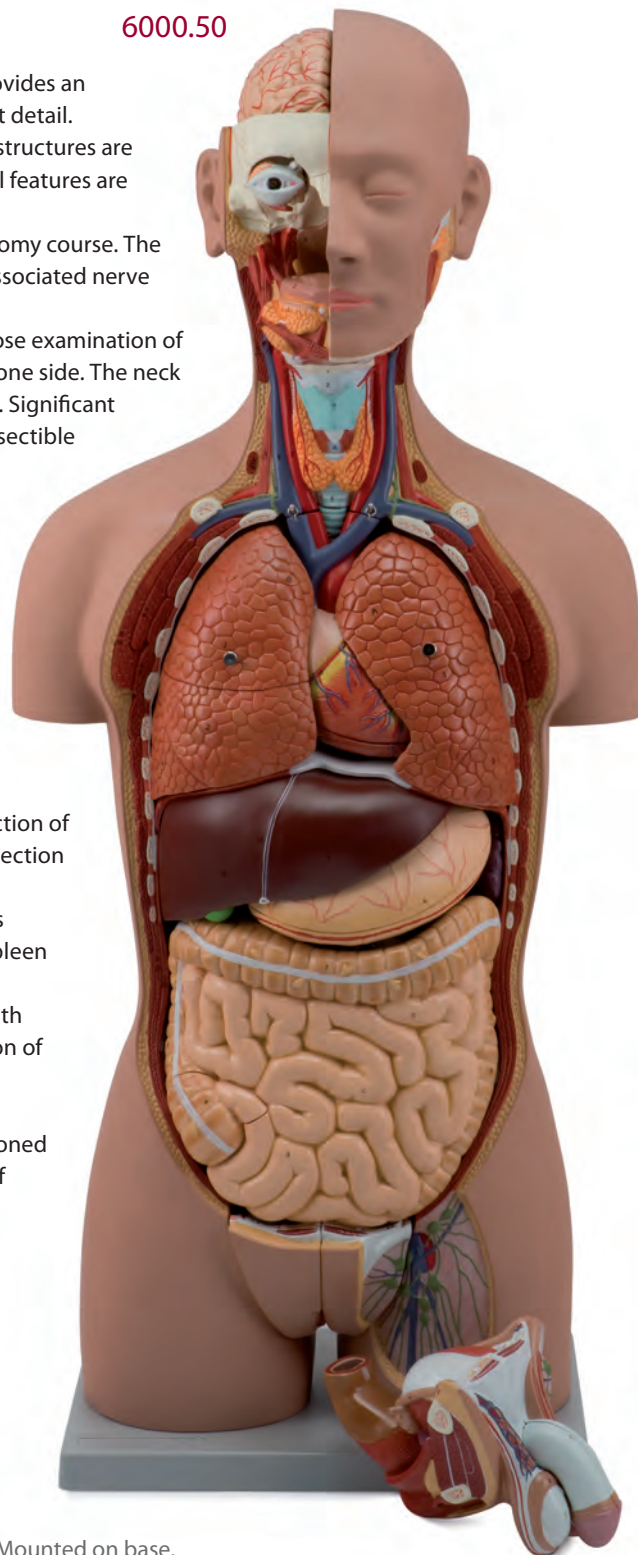
This model is without question a valuable addition to any biology or anatomy course. The open back exposes muscular layers as well as the vertebral column and associated nerve branches.

A thoracic vertebra, including a section of spinal cord, is removable for close examination of its anatomical details. The head is open and the brain is fully exposed on one side. The neck is dissected to expose muscular, neural, vascular and glandular structures. Significant features are numbered and referenced on the accompanying key. The dissectible male and female urogenital systems are interchangeable.

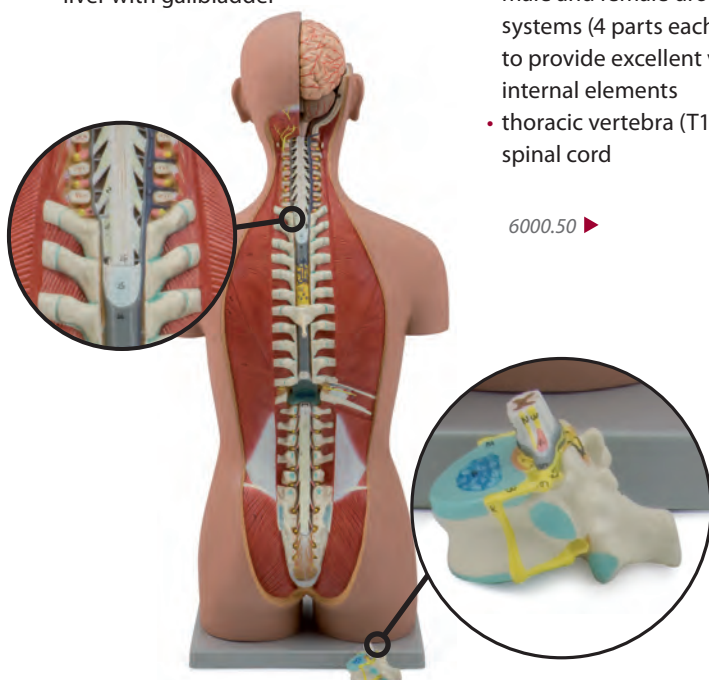
#### Removable structures include the following:

- eye with optic nerve and extraocular muscles
- half of the brain, divided along the longitudinal fissure, showing internal structures and blood vessels
- trachea
- descending thoracic aorta and esophagus
- right and left lungs (2 parts each), showing the bronchial tree and vasculature
- liver with gallbladder
- half of one kidney sectioned along the frontal plane, showing the internal structure and vessels
- 2-part heart with clear depiction of atria, ventricles, valves and section of heart wall
- stomach dissected in 2 parts
- pancreas, duodenum and spleen with vessels and ducts
- small and large intestines with removable cover over portion of caecum
- male and female urogenital systems (4 parts each), sectioned to provide excellent views of internal elements
- thoracic vertebra (T12) with spinal cord

6000.50 ►



Mounted on base.  
Size: 89x41x23 cm  
Weight: approx. 10400 g



Supplied with the Human Torso  
CD-Rom Guide



## HUMAN ANATOMY MODELS

### Torsos

#### MUSCULAR TORSO DUAL-SEX OPEN BACK, 28 PARTS

6000.53

This life size torso with open back is composed of 28 parts and provides an exceptionally realistic reproduction of anatomical structures in their finest detail. All of the body systems are represented with full accessibility. The left side exposes all significant superficial and deeper muscles with vessels and bones.

The open back shows muscular layers as well as the vertebral column and associated nerve branches.

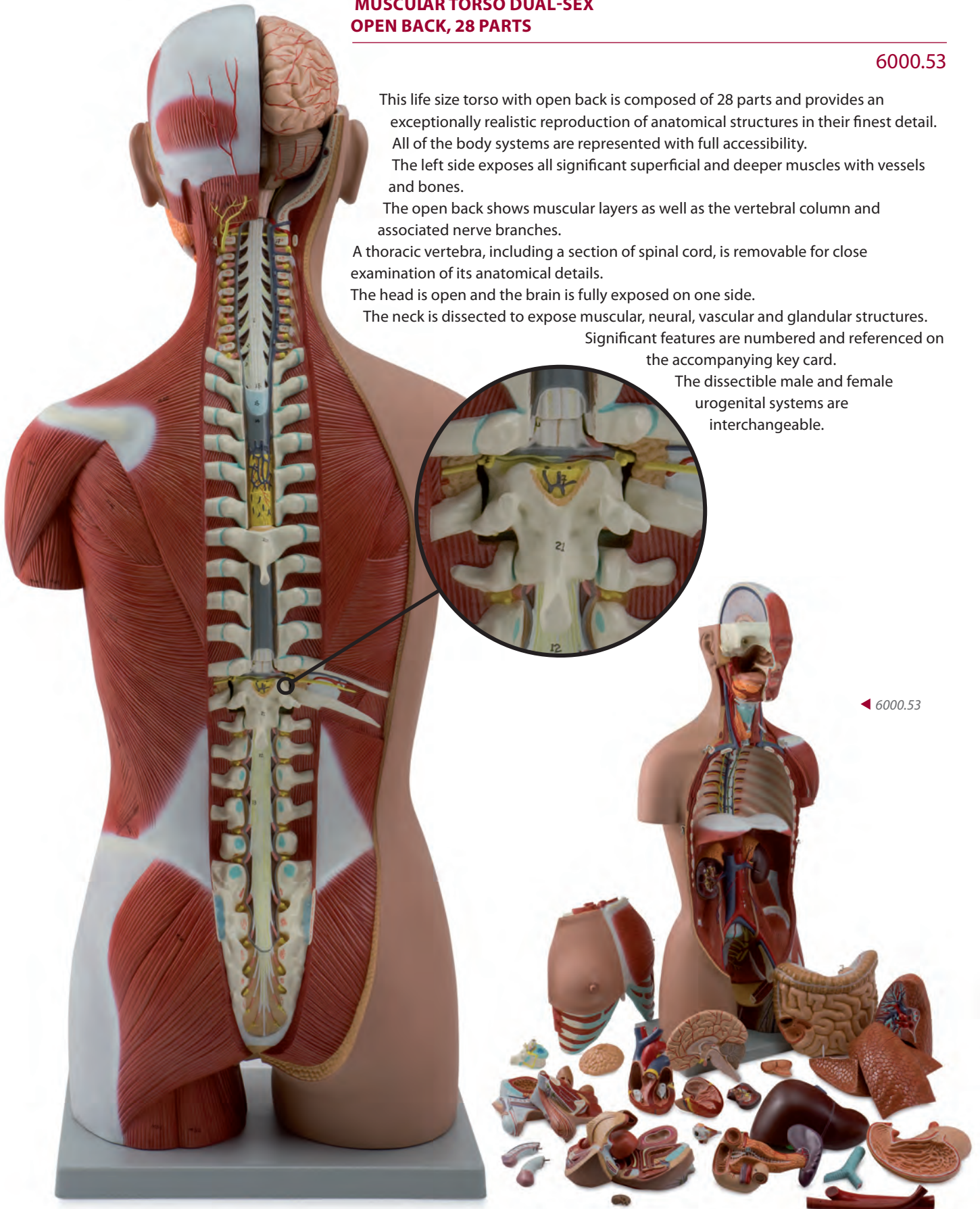
A thoracic vertebra, including a section of spinal cord, is removable for close examination of its anatomical details.

The head is open and the brain is fully exposed on one side.

The neck is dissected to expose muscular, neural, vascular and glandular structures.

Significant features are numbered and referenced on the accompanying key card.

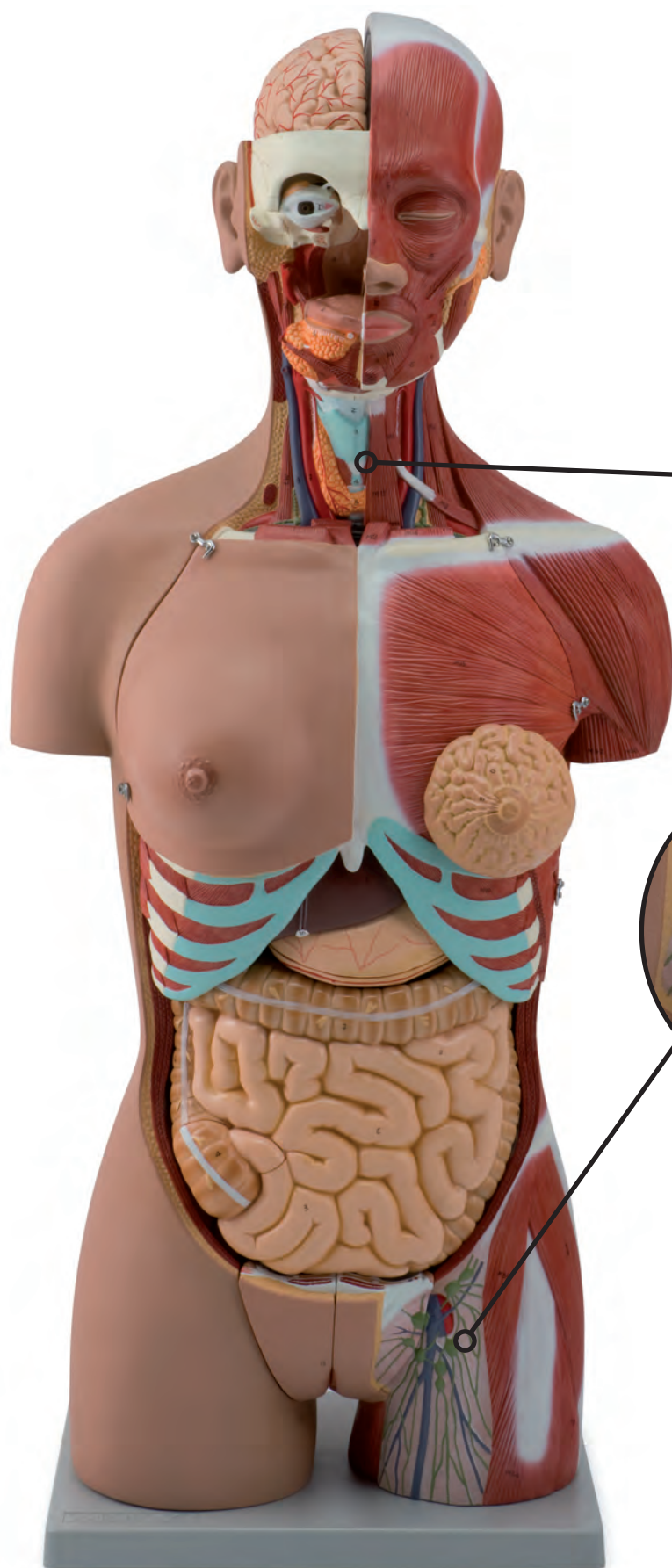
The dissectible male and female urogenital systems are interchangeable.



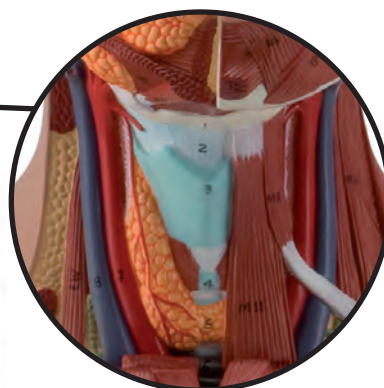
◀ 6000.53



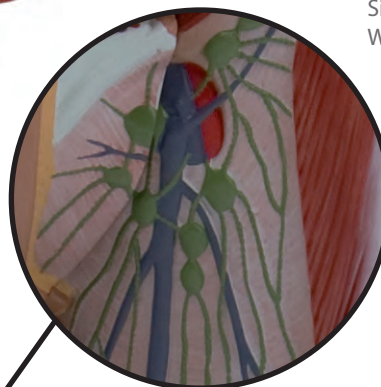
## Torsos

**Removable structures include the following:**

- eye with optic nerve and extraocular muscles
- half of the brain, divided along the longitudinal fissure, showing internal structures and blood vessels
- trachea
- descending thoracic aorta and esophagus
- right and left lungs (2 parts each), showing the bronchial tree and vasculature
- chest cover
- mammary gland



Mounted on base.  
Size: 89x41x23 cm  
Weight: approx. 10500 g



- liver with gallbladder
- half of one kidney sectioned along the frontal plane, showing the internal structure and vessels
- 2-part heart with clear depiction of atria, ventricles, valves and section of heart wall
- stomach dissected in 2 parts
- pancreas, duodenum and spleen with vessels and ducts
- small and large intestines with removable cover over portion of caecum
- male urogenital systems (4 parts)
- female urogenital system (3 parts) including embryo
- thoracic vertebra (T12) with spinal cord

## HUMAN ANATOMY MODELS

### Torsos

#### MINITORSO SEXLESS, 12 PARTS

6000.03

This half life size torso is an excellent tool in basic anatomy education.

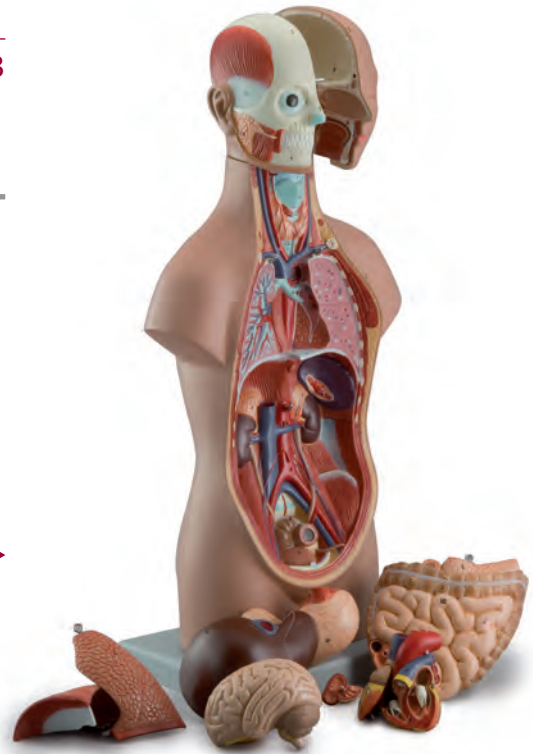
##### Composed of 12 parts, as follows:

- head, divided in 2 parts, showing a section of the brain and the upper respiratory tract
- half of the brain, showing internal structures
- 2 lungs
- heart (2 parts) showing the atria, ventricles and valves
- liver with gallbladder
- stomach
- single piece including small intestine, large intestine and pancreas
- removable cover that exposes interior of caecum

Mounted on base.

Size: 20x15x46.5 cm - Weight: approx. 2190 g

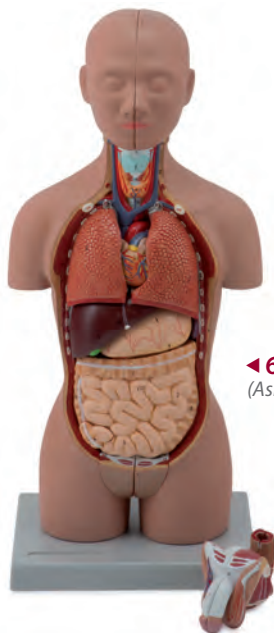
6000.03 ►



#### MINTORSO DUAL-SEX, 16 PARTS

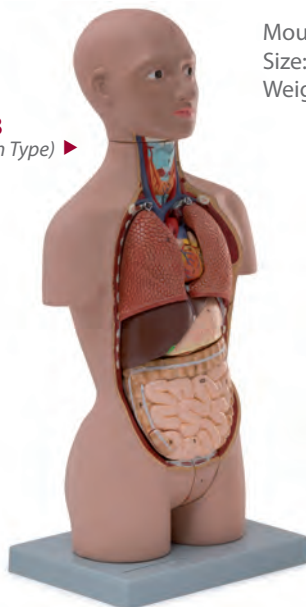
6000.23- 6000.33 - 6000.34

This half life size torso is an excellent tool in basic anatomy teaching.



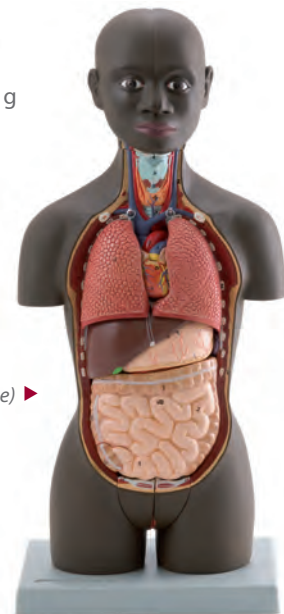
◀ 6000.23  
(Asian Type)

6000.33  
(Caucasian Type) ►



Mounted on base.  
Size: 20x15x46.5 cm  
Weight: approx. 2160 g

6000.34  
(African Type) ►



##### Composed of 16 parts, as follows:

- head (2 parts) showing a section of the brain and the upper respiratory tract
- half of the brain, showing internal structures
- 2 lungs
- heart (2 parts) showing the atria, ventricles and valves
- liver with gallbladder
- stomach
- single piece, including small intestine, large intestine and pancreas
- removable cover that exposes interior of caecum
- male reproductive organs (2 parts)
- female reproductive organs (2 parts)



## HUMAN ANATOMY MODELS

### Anatomy of the Human Trunk

**NEW**

*Featuring the amazing combination of scientific precision, natural look and durability.*

#### DISC TORSO

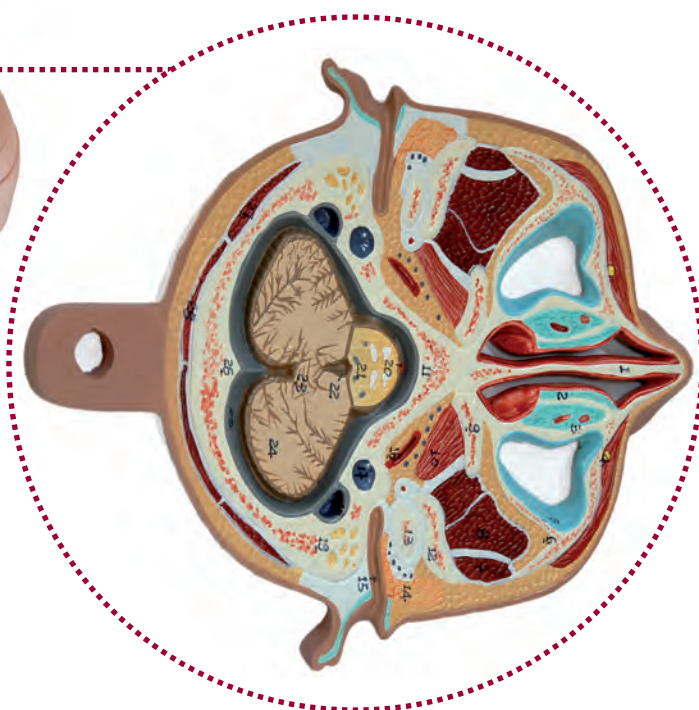
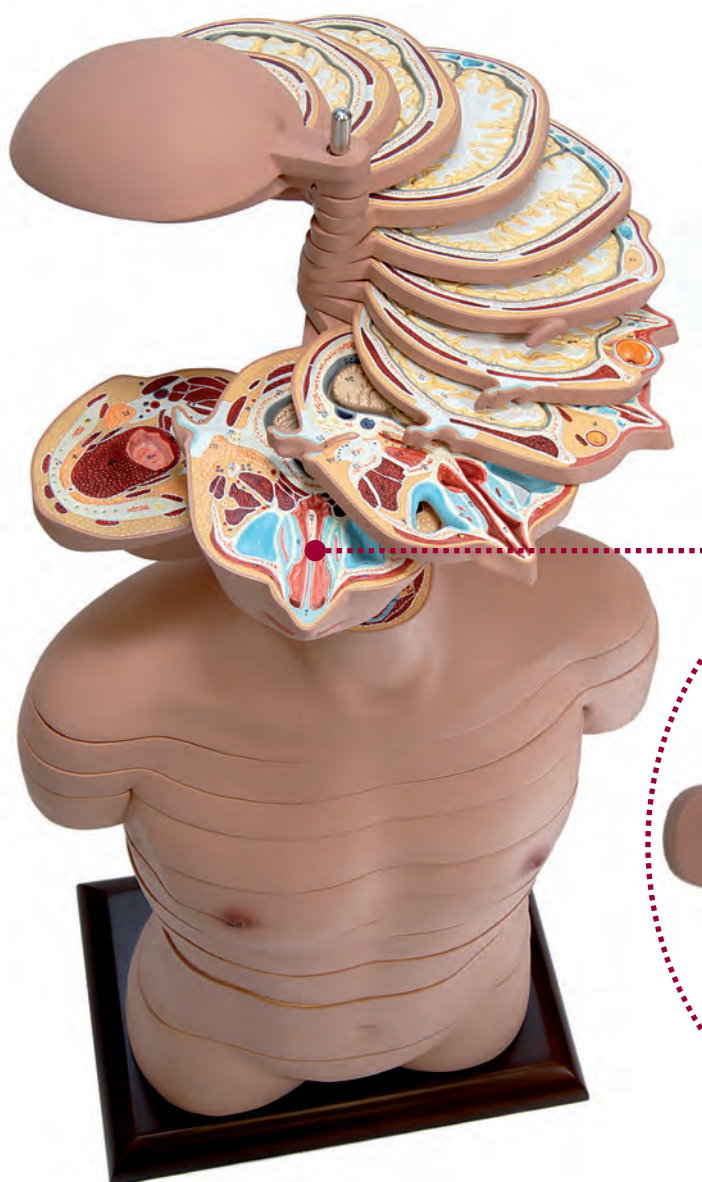
6030.16

This life-size torso model is sliced horizontally into 24 pieces, giving an idea of how computer tomography and magnetic resonance work. Each slice can be rotated and removed for closer examination of its anatomical detail, which is reproduced with great accuracy. All structures including muscles, nerves are numbered and identified on the accompanying multilingual k-card.

Mounted on a solid fine wooden base with rollers.

Size: approx. 90 x 50 x 40 cm

Weight: approx. 12 kg.



**NEW**

## HUMAN ANATOMY MODELS

### Musculature

**NEW**

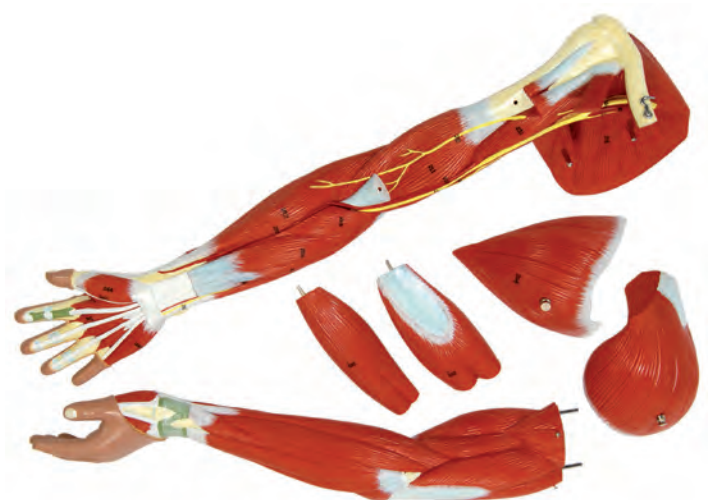
*Featuring the amazing combination of scientific precision, natural look and durability.*

**MUSCULAR FIGURE, 32 PARTS, 140 CM**

6000.59

This 30 part -model is about 140 cm tall and includes a 6-part muscular arm and an 8-part muscular leg. Removable parts include also skullcap, brain (cut along the longitudinal fissure and showing internal structures and blood vessels is removable), halves of both lungs showing the bronchial tree and vascular system, 2-part heart clearly representing atria, ventricles, valves and section of heart wall, liver with gallbladder, stomach dissected in 2 parts, duodenum with pancreas and spleen, large intestine. Significant features are numbered and referenced on the accompanying multilingual key card.

Mounted on a solid fine wooden base with ball casters.  
Size: approx. 150 x 50 x 40 cm  
Weight: approx. 12 kg.



**NEW**



## HUMAN ANATOMY MODELS

### Torsos

#### HUMAN TORSO CD-ROM GUIDE

6000.30

This CD-ROM Guide greatly extends the educational value of the Altay anatomical torsos by identifying hundreds of structures that are not included on the printed key.

Designed for ease of use, the guide is composed in PDF format and organized systematically for efficient navigation.

High-resolution digital images of torso components show the finest anatomical details of all body systems from various angles, enabling the user to make direct comparisons with standard anatomical atlases.

Structures are clearly numbered and referenced with standard anatomical nomenclature.

#### Minimum requirements

##### WINDOWS

Intel® Pentium® II 450 MHz or higher

128 Mb of RAM or more

Windows 98 or higher

##### MACINTOSH

Mac OS X v.10.1 or higher

Mac computer with a 1.25GHz or faster PowerPC G3 processor (PowerPC G5, Intel Core Duo, or Intel Xeon processor)

128MB of RAM or more



## Terminologies in Nine Different Languages Including:



ITALIANO



PORTUGUÊS



ENGLISH



РУССКИЙ



DEUTSCH



中文



FRANÇAIS



عربي



ESPAÑOL

## HUMAN ANATOMY MODELS

### Anatomy of the Human Trunk

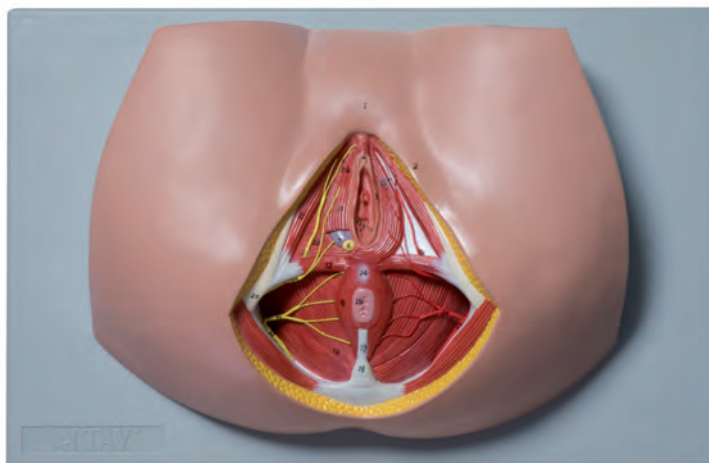
#### FEMALE PERINEUM

6000.14

This life size model shows the female perineal area, including the anus and the external genitalia. The pelvic diaphragm, urogenital perineum with opening of the vagina and the anal perineum are well represented. Distribution of blood vessels and nerve endings is included.

Mounted on board. Size: 33x23x10cm. Weight: approx. 1200 g

6000.14 ►



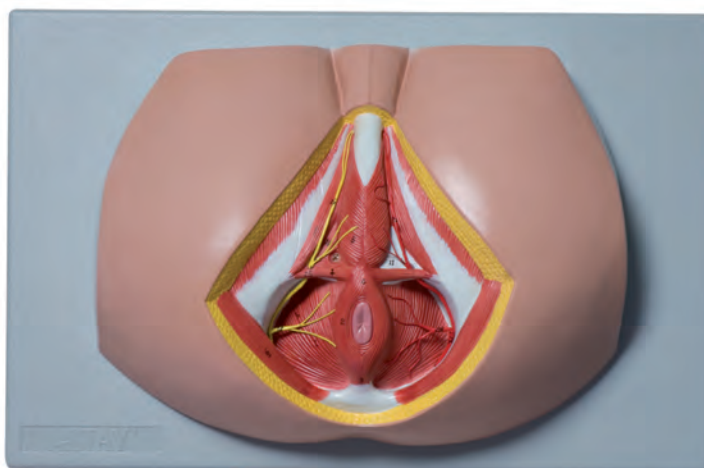
#### MALE PERINEUM

6000.15

This life size model shows the male perineal area, including the anus and external genitalia. The pelvic diaphragm, urogenital perineum and anal perineum are well represented, including distribution of blood vessels and nerve endings.

Mounted on board. Size: 33x23x10cm. Weight: approx. 1200 g

6000.15 ►



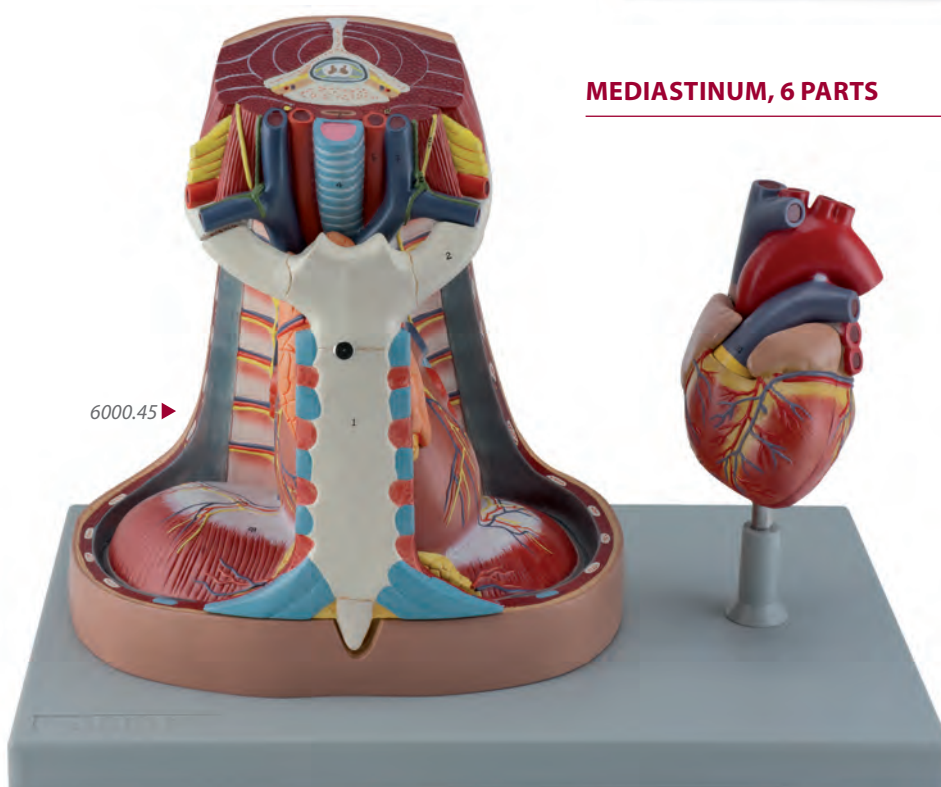
#### MEDIASTINUM, 6 PARTS

6000.45

This life size model is composed of 6 parts, including a 2-part heart that provides an anterior view of the chambers and valves. The sternum and thymus are removable to reveal the pericardial sac and the major pulmonary and systematic vessels. The trachea and esophagus are shown entering the mediastinum through the superior thoracic aperture; the inferior thoracic aperture is delimited from the diaphragm musculature.

Mounted on base.  
Size: 40x26x31 cm  
Weight: approx. 1930 g

6000.45 ►





## HUMAN ANATOMY MODELS

### Anatomy of the Human Trunk

#### SCHEMATIC CROSS SECTION THROUGH ABDOMEN (T12)

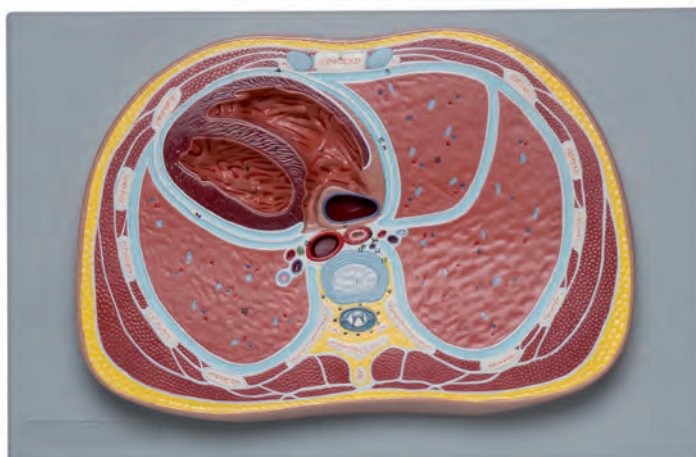
6000.16

This life size model shows a typical cross sectional view through the abdomen at the level of the T12 vertebra. The stomach, liver, kidney, spleen and other abdomen structures are sectioned horizontally.

Mounted on board.

Size: 33x23x6 cm. Weight: approx. 1350 g

6000.16 ►



#### SCHEMATIC CROSS SECTION THROUGH THORAX (T8)

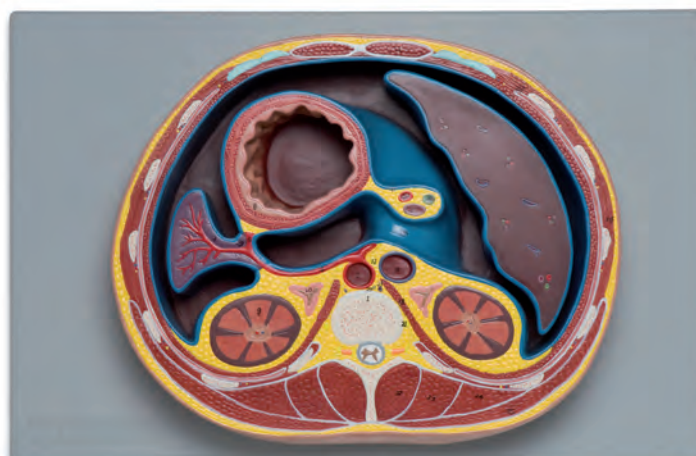
6000.20

This life size model shows a cross sectional view through the thorax at the level of the T8 vertebra. In this model it is possible to observe the horizontally sectioned heart, lungs, veins, arteries and other thoracic structures.

Mounted on board.

Size: 40.5x26.5x8 cm. Weight: approx. 1050 g

6000.20 ►



#### MODEL OF SHOULDER WITH DEEP MUSCLE

6000.21

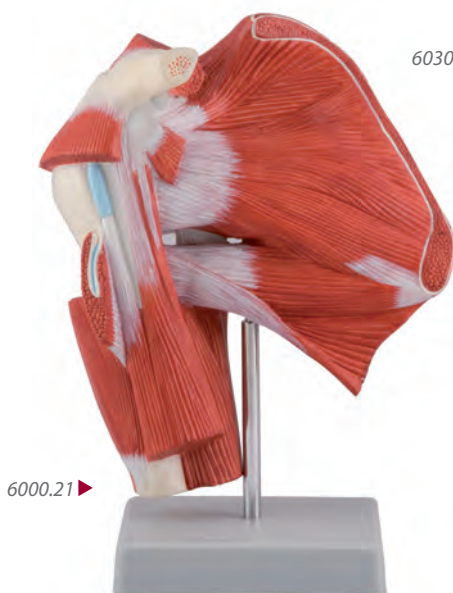
This model illustrates in great details the muscles, ligament and bones of the shoulder. Through different muscles section it is possible to observe the profound musculature as far as to get bone.

Life size model in 1 piece.

Mounted on base with stand.

Size: 12x22.5x5 cm - Weight: approx. 400 g

6030.13 ►



6000.21 ►



#### ANATOMY OF THE NECK

6030.13

This life size model is a ventral view of the human neck, showing excellent details of the main muscles, vascular structures, nerves and glands.

Mounted on board. Size: 33x23x11.5 cm - Weight: approx. 600 g

## HUMAN ANATOMY MODELS

### Musculature

#### MUSCULAR BODY

6000.58

This ¼ life-size model is a useful tool to study human superficial musculature. Significant structures are numbered and referenced on the accompanying k-card.

Mounted on base.  
Size: 20x15x42.5 cm - Weight: 700 g

◀ 6000.58

#### MINI MUSCULAR FIGURE

6000.57

This mini model accurately depicts the topography of the human superficial musculature.

Mounted on base.  
Size: 12x6.5x25 cm  
Weight: 240 g

6000.57 ▶

#### MUSCULAR FIGURE, 30 PARTS

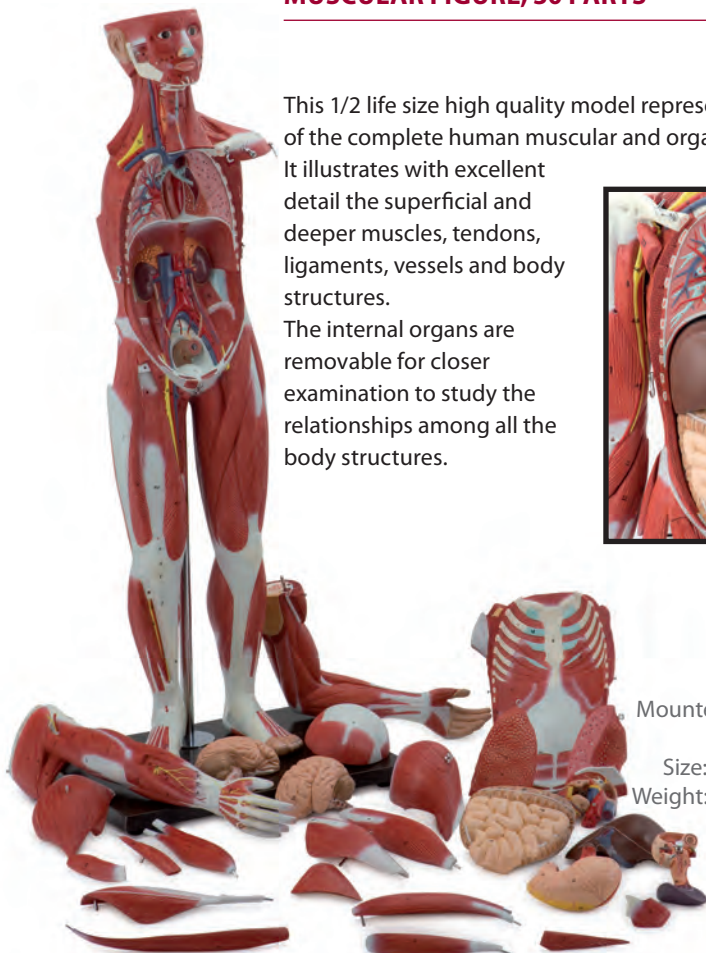
6000.56

This 1/2 life size high quality model represents a replica of the complete human muscular and organs anatomy. It illustrates with excellent detail the superficial and deeper muscles, tendons, ligaments, vessels and body structures.

The internal organs are removable for closer examination to study the relationships among all the body structures.



6000.56 ▶



Mounted on base with stand.  
Size: 36x26x88.5 cm  
Weight: approx. 5000 g





## HUMAN ANATOMY MODELS

### Musculature



6000.39 Mounted on base.  
Size: 110x28x29cm  
Weight: approx 11000 g

6000.36 Mounted on base with stand.  
Size: 35x28x114 cm  
Weight: approx 6000 g

NEW

#### MUSCLES OF THE HUMAN LEG, 23 PARTS

6000.39

This life-size model, detachable into 23 parts, is an important support for understanding the complete anatomy of the human leg. The superficial and deeper musculature, represented with great accuracy and detail, can be removed for closer examination. The model, also showing ligaments, nerves, artery and veins, comes with an accompanying multilingual k-card.

#### MUSCLES OF THE HUMAN LEG, 13 PARTS

6000.36

This 13-part model shows, in great detail, the anatomical structure of the leg, complete with superficial and deeper muscles, vascular structures, nerves and ligaments.

#### The following parts are removable:

- Sartorius
- Long head of biceps
- Gluteus maximus
- Soleus
- Gastrocnemius
- Gluteus medius
- Gracilis
- Semitendinosus and Semimembranosus
- Rectus femoris
- Extensor digitorum longus
- Sole of foot
- Tensor fasciae latae

6000.39 ▶

6000.36 ▶

## HUMAN ANATOMY MODELS

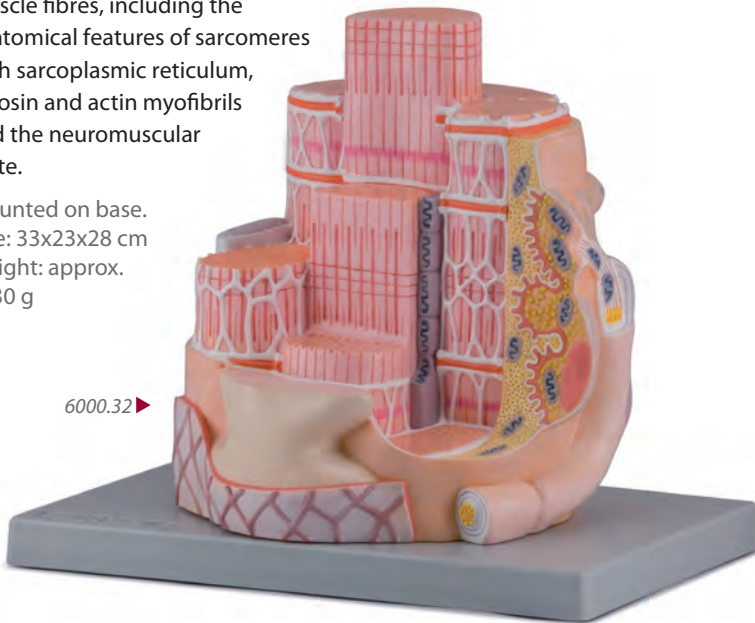
### Musculature

#### SKELETAL MUSCLE FIBER

6000.32

This model, enlarged approximately 40000X, shows the structure of skeletal muscle fibres, including the anatomical features of sarcomeres with sarcoplasmic reticulum, myosin and actin myofibrils and the neuromuscular plate.

Mounted on base.  
Size: 33x23x28 cm  
Weight: approx.  
1630 g



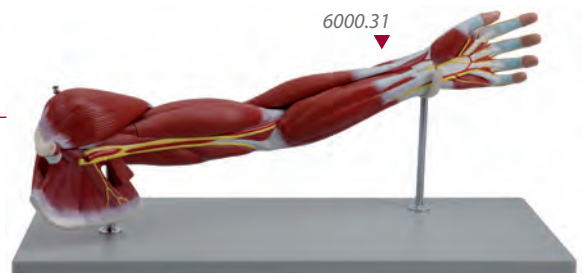
6000.07

#### MUSCLES OF THE ARM

6000.07

This model illustrates the muscles of the arm in the relaxed and contracted states. Muscles and tendons are shown in great detail.

Mounted on base.  
Size: 53x38x9.5  
Weight: 700 g



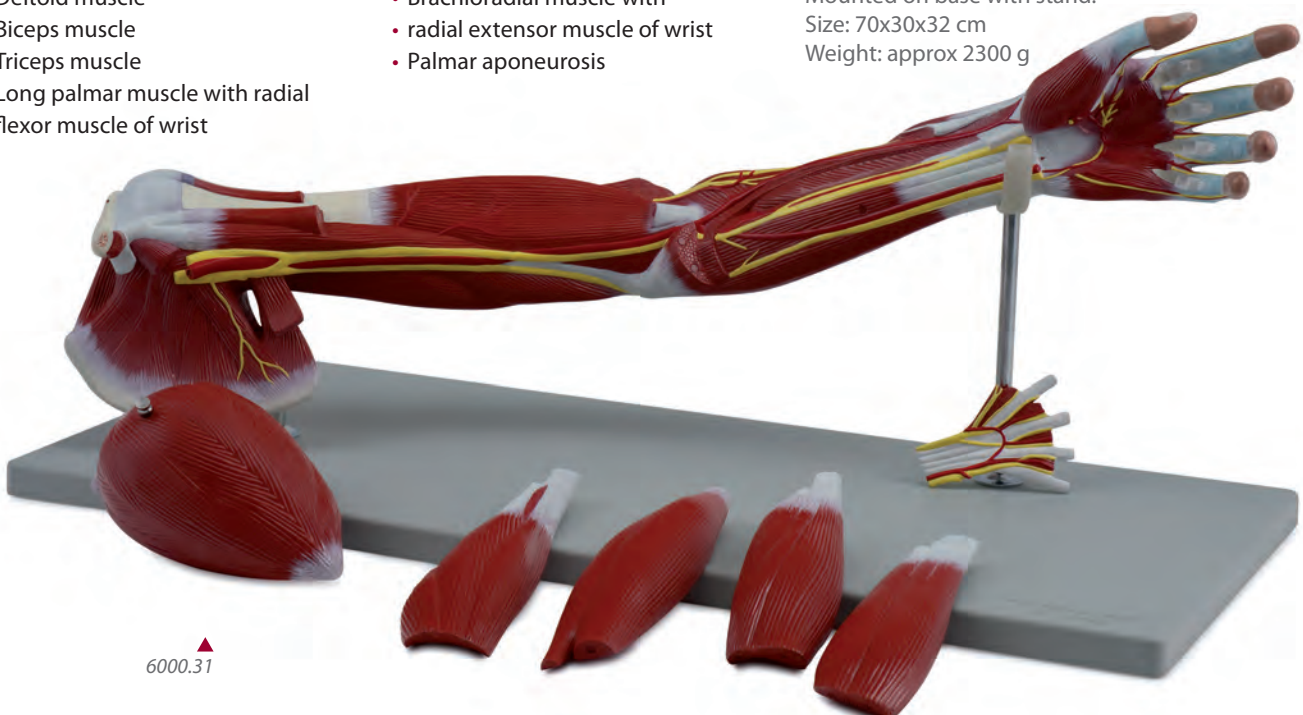
#### MUSCLES OF THE HUMAN ARM, 7 PARTS

6000.31

This 7-part life size model shows, in great detail, the anatomical structure of the arm, complete with superficial and deeper muscles, vascular structures, nerves and ligaments. The hand and the shoulder are also well represented. The following parts are removable:

- Deltoid muscle
- Biceps muscle
- Triceps muscle
- Long palmar muscle with radial flexor muscle of wrist
- Brachioradial muscle with radial extensor muscle of wrist
- Palmar aponeurosis

Mounted on base with stand.  
Size: 70x30x32 cm  
Weight: approx 2300 g

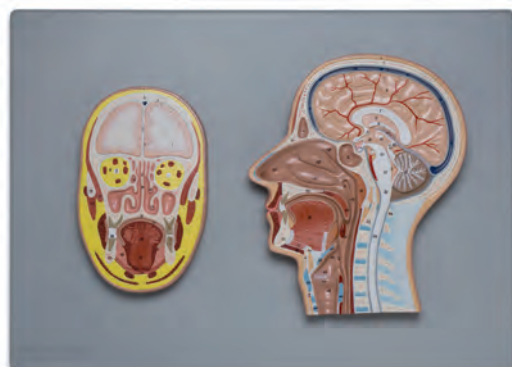


6000.31



## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System



6030.02

#### FRONTAL AND MEDIAN SECTION OF HEAD (RELIEF MODEL)

6030.02

Life size representation of the superficial and the internal structures of the head and neck. Comparison between frontal and median sections provides a superior understanding of the anatomical structures of the head and neck.

Mounted on board. Size: 53x38x6.5 cm - Weight: approx. 1600 g



6030.01

#### MEDIAN SECTION OF HEAD (RELIEF MODEL)

6030.01

Life size representation of the superficial and the internal structures of the head and neck. This relief model shows all relevant structures of the human head in great detail.

Mounted on board.

Size: 33x23x5.5 cm - Weight: approx. 850 g



6030.04

#### HALF HEAD LIFE SIZE

6030.04

Life size model shows the right half of the human head and neck, sectioned along the sagittal plane. A superficial dissection exposes the facial muscles, the superficial blood vessels and nerve branches of the face and scalp, the parotid and submandibular glands. A median dissection exposes the brain with its internal structure, the pharynx and upper respiratory tract, a section of the cervical vertebrae.

Mounted on base.

Size: 20x14x26 cm - Weight: approx. 1200 g



6030.04



6030.03

#### HEAD DISSECTION, 4 PARTS

6030.03

Life size head model is composed of 4 parts, as follows:

- half brain, features the internal structure of the cerebrum, including blood vessels
- half of the cerebellum
- eye with optic nerve

The right side of the face is dissected in sagittal and horizontal section, showing many significant internal features of the skull and brain, as well as the entire oronasal cavity.

Mounted on base. Size: 20x15x22 cm - Weight: approx. 1200 g



## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System



◀ 6030.09

#### ARTERIES OF HEAD, NERVES OF HEAD, VEINS OF HEAD SET OF 3

6030.05

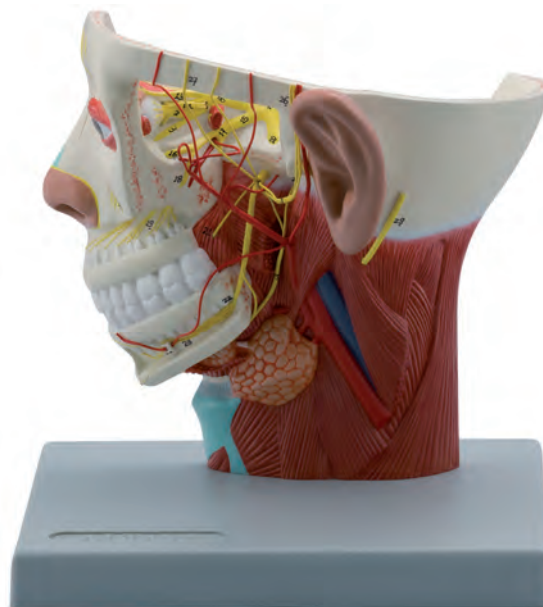
This set is composed of models 6030.07, 6030.08 and 6030.09

#### VEINS OF HEAD

6030.09

This model shows the pathway of the left internal jugular vein in the cervical and head region, including the tributary venous branches.

Mounted on base.  
Size: 20x15x20 cm  
Weight: approx. 600 g



▲ 6030.08

#### ARTERIES OF HEAD

6030.07

This model shows the pathway of the left external carotid artery, including collateral and terminal branches.

Mounted on base.  
Size: 20x15x20 cm  
Weight: approx. 600 g

#### NERVES OF HEAD

6030.08

This model shows the trigeminal nerve and its branches.

Mounted on base.  
Size: 20x15x20 cm Weight: approx. 600 g



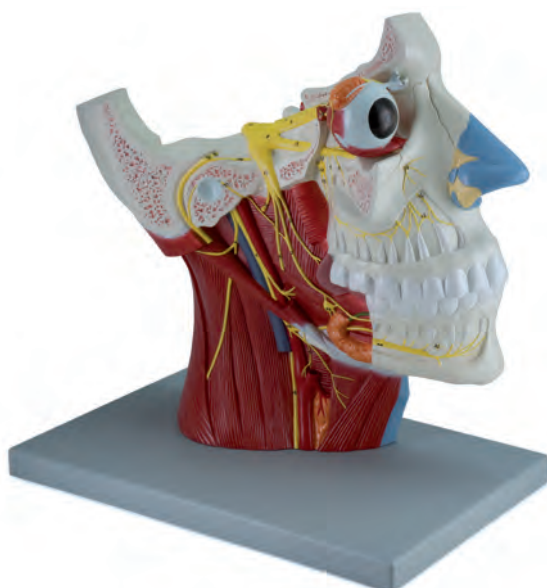
◀ 6030.07

#### CRANIAL AND AUTONOMIC NERVES, 2 PARTS

6160.07

2.5X life size.  
Dissection of human half head shows the 12 cranial nerves with collateral branches and autonomic nerves. Median section reveals the upper respiratory tract and pharynx. The eyeball is removable for close examination.

Mounted on base.  
Size: 43x26x41.5 cm  
Weight: approx. 2000 g



6160.07 ▶





## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System

#### DISC HEAD

6030.15



NEW

This life-size head model is sliced horizontally into 12 pieces, giving an idea of how computer tomography and magnetic resonance work. Each slice can be rotated and removed for closer examination of its anatomical detail, which is reproduced with great accuracy. All structures including muscles, nerves, brain gyri and sulci are numbered and identified on the accompanying multilingual k-card.

Mounted on base.

Size: 25x18x24

Weight: 3000 g



6030.15 ▶

#### HEAD AND NECK MUSCULATURE

6030.10

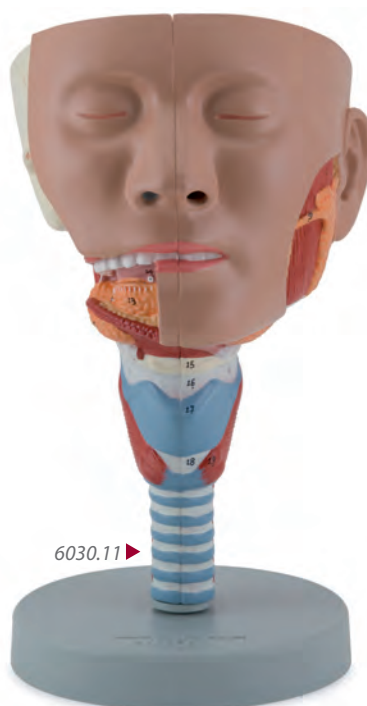
This model shows the muscles of the head, neck and superior thoracic region. Superficial and deep musculature are well represented, as are the pathways of the subclavian and carotid arteries.

Mounted on base.

Size: 42x30x48 cm - Weight: approx. 3000 g



6030.10 ▶



6030.11 ▶



#### HEAD WITH PHARYNX MUSCLES

6030.11

This life size head model is dissected along the sagittal plane into 2 halves. Details of the oronasal cavity and larynx as well as musculature of the pharynx are exceptionally well represented.

Mounted on base with stand. Size: 16.5x15x29 cm - Weight: approx. 700 g

## HUMAN ANATOMY MODELS

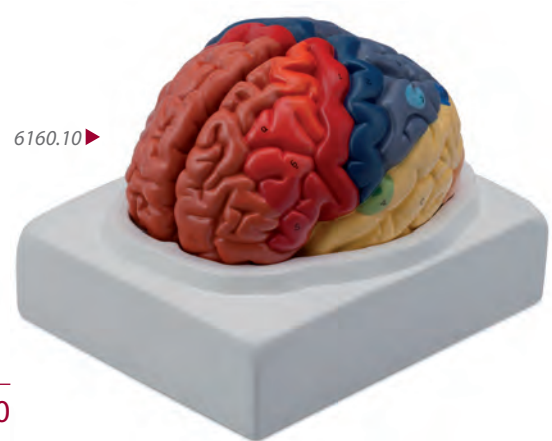
### Head, Brain and Nervous System



#### REGIONAL BRAIN, 2 PARTS

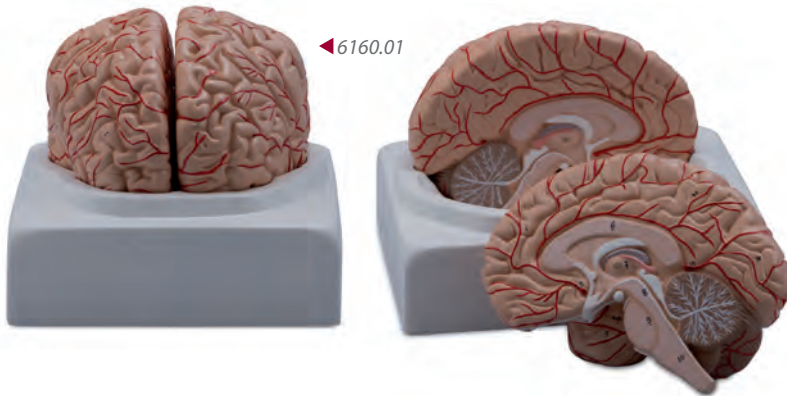
6160.10

Life size brain with distinct color coding for the following regions: frontal lobe, parietal lobe, occipital lobe, temporal lobe, motor cortex, somatosensory cortex, limbic cortex, cerebellum, brain stem.



Mounted on base.

Size: 20x17x15 cm Weight: approx. 1300 g



#### BRAIN WITH ARTERIES, 2 PARTS

6160.01

A life size brain model divided medially in 2 parts along the sagittal plane. It shows the left and right cerebrum, cerebellum, brain stem and blood vessels.

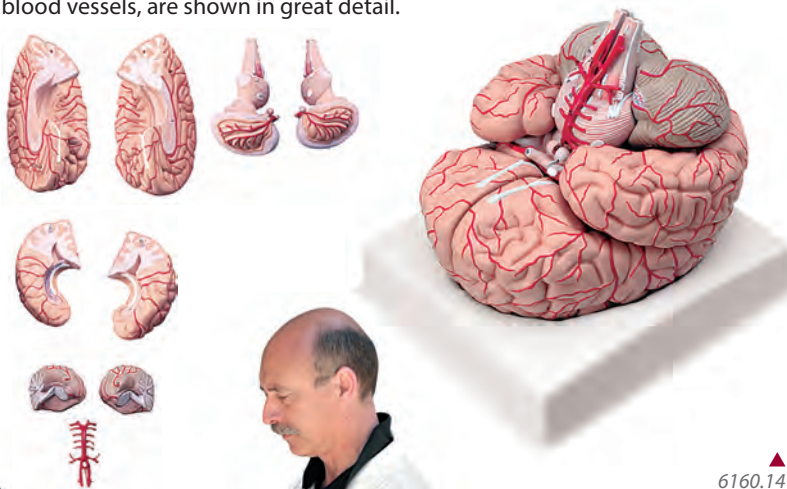
Includes cradle base.

Size: 20x16x15 cm - Weight: approx. 600 g

#### BRAIN WITH ARTERIES, 9 PARTS

6160.14

This extremely realistic life size brain model can be divided into 9 parts showing the temporal and occipital lobes, the frontal and parietal lobes, the cerebellum, the brain stem and the basilar artery. All structures, including blood vessels, are shown in great detail.



6160.14

Includes cradle base.  
Size: 20x17x15 cm  
Weight: approx. 900 g

#### THORACIC VERTEBRAE WITH SPINAL CORD

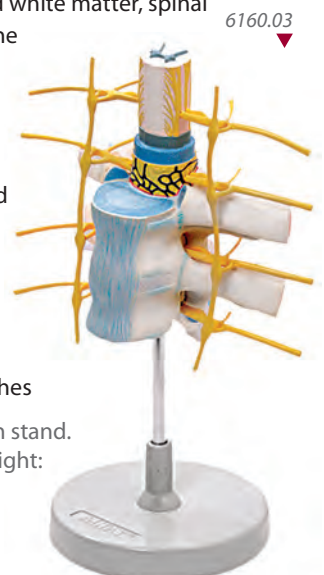
6160.03

2X life size. 2 thoracic vertebrae with rib ends and costovertebral articulations are included.

The spinal cord is sectioned transversely, showing details of the grey and white matter, spinal nerve branches and the spinal ganglia. This model highlight the communication between sympathetic trunk and spinal column, through sympathetic ganglion and spinal ganglion, connected by white and grey communicating branches

Mounted on base with stand.

Size: 15x15x31 cm Weight: approx. 320 g



6160.03

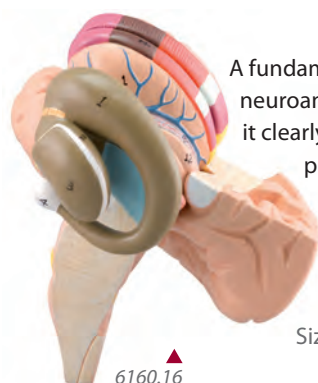




## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System

#### BASAL NUCLEI AND INTERNAL CAPSULE



6160.16

A fundamental support to study the human deep neuroanatomy. Greatly enlarged, composed of 2 parts, it clearly shows - with the aid of false colours - the principal anatomical structures such as the caudate nucleus, the lentiform nucleus and the genu of the internal capsule. The main structures are numbered and refer to the accompanying k-card (included).

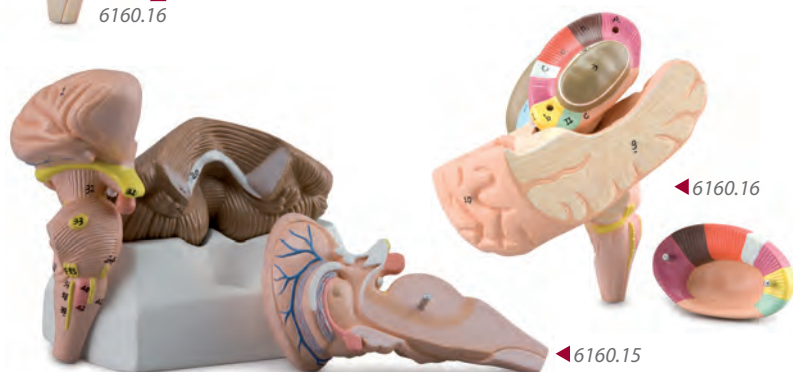
Size: 11x12x11 cm - Weight: 170 g



#### DIENCEPHALON

6160.17

This 4-part model, 5X life-size, shows the human diencephalon: all the main parts of thalamus, epithalamus, metathalamus and hypothalamus are represented in great detail. The hypothalamic nuclei are displayed in different colours; the thalamus is removable and divisible into two parts to show the inner anatomy.



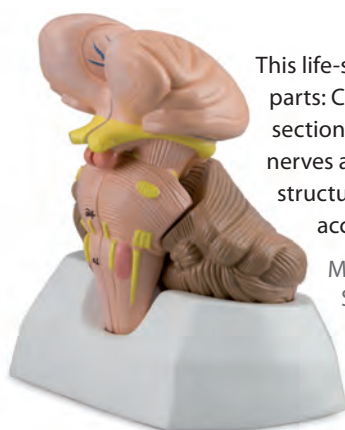
#### BRAINSTEM, CEREBELLUM AND FOURTH VENTRICLE

6160.15

This life-size model can be divided into three parts: Cerebellum and Brainstem, longitudinally sectioned, showing the insertions of the cranial nerves and the inner anatomy. All the different structures are numbered and identified on the accompanying k-card.

Mounted on base.

Size: 18x12x13 cm - Weight: 380 g



#### BRAINSTEM AND NUCLEI OF THE HYPOTHALAMUS

6160.18

This 4-part model, 2X life-size, is a detailed representation of the human brainstem and hypothalamus. The brainstem is sectioned to show the hypothalamic nuclei; the thalamus is removable and divisible into two parts for inner examination. The insertions of the cranial nerves are easily recognizable on the surface of the brainstem.

Size: 21.5x13x13.5 cm Weight: 420 g

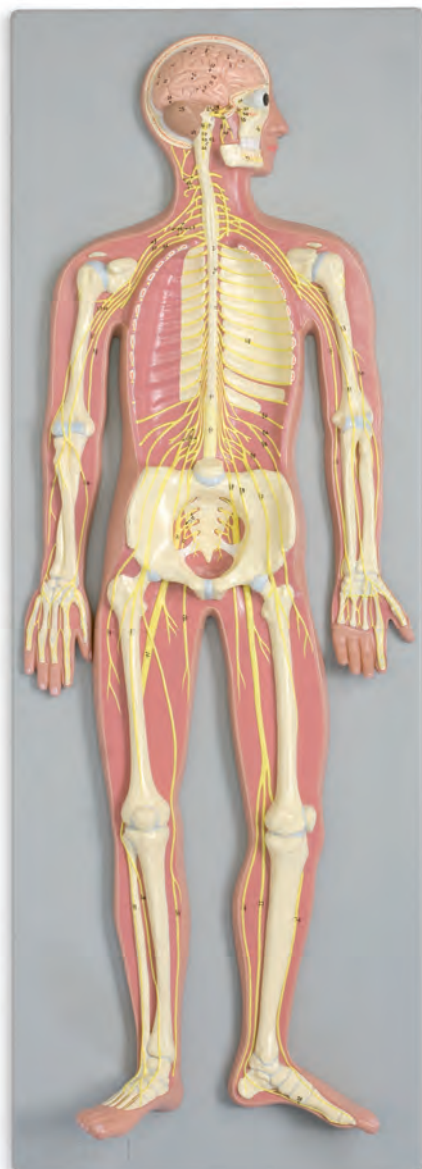


Mounted on base.  
Size: 25x18x25 cm  
Weight: 1350 g

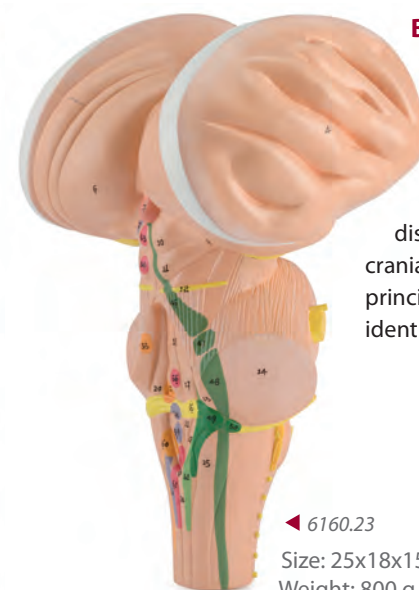


## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System



6160.27



6160.23  
Size: 25x18x15 cm  
Weight: 800 g

6160.28

#### NERVOUS SYSTEM

6160.28

This 1/2 life-size relief model shows a general view of the peripheral and central human nervous system: the head is open to reveal the brain and cerebellum; the pathway of the main nerves is well illustrated in relation to the skeleton.

Mounted on board.  
Size: 90x32x8,5 cm  
Weight: 2300 g

#### BRAINSTEM, ENLARGED 3 TIMES

6160.23

An important support for understanding the deeper anatomy of the brain. This single-piece model, enlarged 3 times, displays all the neurological tracts, exiting cranial and peripheral nerves in fine detail. The principal anatomical structures are numbered and identified on the accompanying k-card.



6160.22  
Size: 12x12x12 cm  
Weight: 80 g

#### VENTRICLES AND BASAL NUCLEI

6160.22

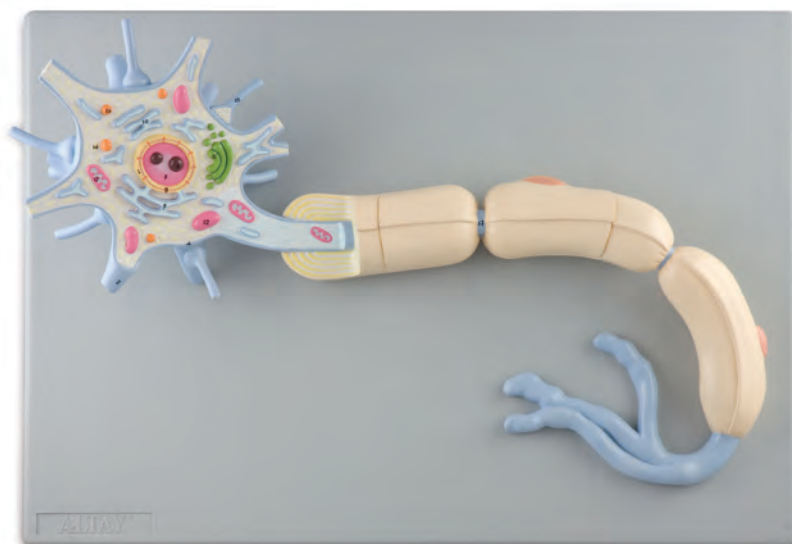
This life-size model is an important tool to study the topography of the cerebral ventricles related to the basal nuclei. All the different structures are reproduced in great detail and identified on the accompanying k-card.

#### NEURON, 2 PARTS

6160.27

This item, magnified 2,500 times, displays the structure of a typical neuron. The sectioned soma shows all the internal cellular organs including nucleus, Golgi complex, smooth and rough endoplasmic reticulum. The dendrite can be opened into two parts to reveal the internal structures such as the Schwann cell and myelin sheath.

Mounted on board.  
Size: 40x26x11.5 cm - Weight: 1100 g





## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System

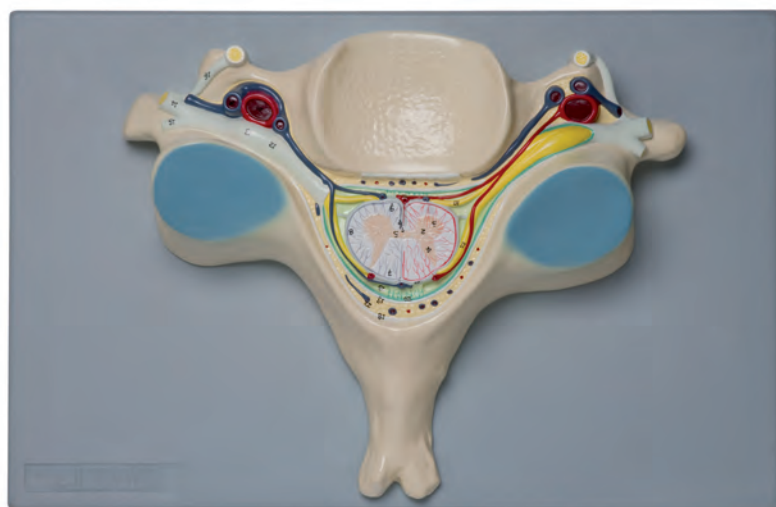
#### 5<sup>TH</sup> CERVICAL VERTEBRA

6160.09

7X life size. This model shows in great detail the structure of the 5<sup>th</sup> cervical vertebra; a transverse section of the spinal cord with grey and white matter, the nerve branches, the spinal ganglion and the blood vessels.

Mounted on board.

Size: 40x26x9 cm - Weight: approx. 710 g



◀ 6160.09

#### BRAIN PATHOLOGIES

6160.24

This life size model depicts 3 different pathologies that involve the vascular system of the brain, including arteriovenous malformations (called AVM), in which the blood vessels are tangled together rather than forming a normal circuit. Other featured conditions include a cerebral aneurysm and a cerebrovascular hemorrhage (stroke).

Mounted on base with stand.

Size: 11x11x20 cm - Weight: approx. 230 g



6160.24 ▶

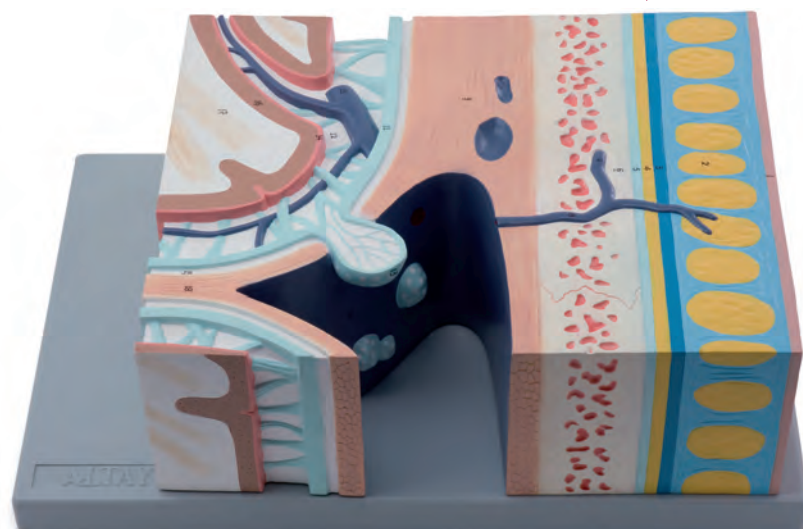
#### CRANIAL LAYERS

6160.20

Enlarged several times. This model shows the stratification of the human cranium, revealing details of internal structures from the skin to the cerebral white matter.

Mounted on board.

Size: 40x26x13.5 cm - Weight: approx. 1750 g



6160.20 ▼

#### CEREBELLUM, 2 PARTS

6160.12

4X life size. Human cerebellum is dissected to show details of internal organization.

Size: 39x21x18 cm - Weight: approx. 2100 g



6160.12 ▲

## HUMAN ANATOMY MODELS

### Head, Brain and Nervous System

#### THALAMUS 2 PARTS

6110.02

5X life size. This 2-part model shows the various functional areas of the thalamus in distinct colors, thus providing a clear distinction between the different nuclei of each structure.

Mounted on base.  
Size: 18x13x13 cm  
Weight: 720 g

6110.02 ▶



#### REFLEX ARC

6160.06

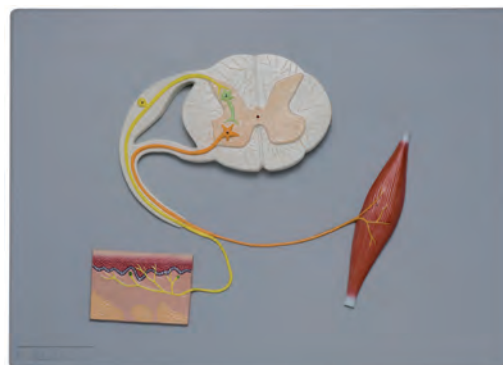
This model shows the sensory, neural and motor elements of a somatic reflex arc.

Mounted on board.

Size: 53x38x5.5 cm

Weight: approx. 450 g

6160.06 ▼



#### THALAMUS, 5 PARTS

6110.03

5X life size. This model is dissected in 5 parts; various functional areas are delineated with separate colors, thus providing a clear distinction between the different nuclei of each structure.

Mounted on base. Size: 18x13x13 cm - Weight: 720 g

6110.03 ▼



#### THALAMUS, 7 PARTS

6110.04

5X life size. This 7-part model shows the various functional areas of the thalamus in distinct colors, thus providing a clear distinction between the different nuclei of each structure.

Mounted on base. Size: 18x13x13 cm - Weight: 720 g

6110.04 ▼



#### NERVES OF NECK REGION

6160.13

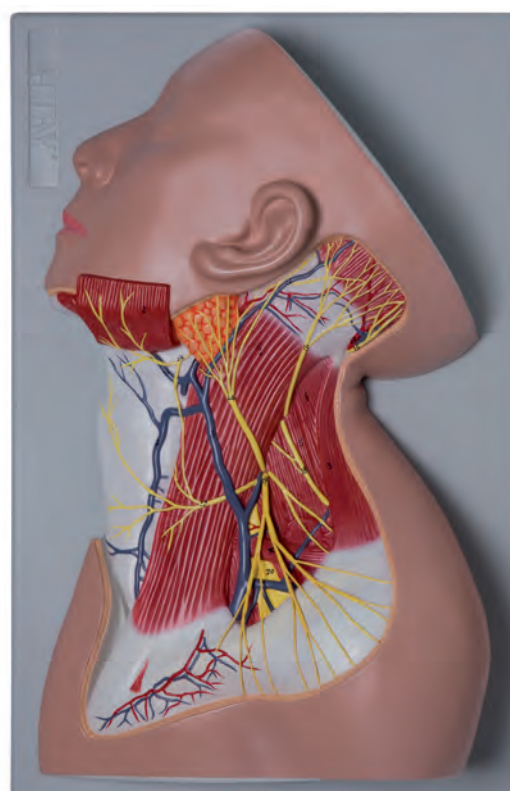
This life size model shows the distribution of superficial branches of the cervical plexus.

Mounted on board.

Size: 40x26x11.5 cm

Weight: approx. 1300 g

6160.13 ▼

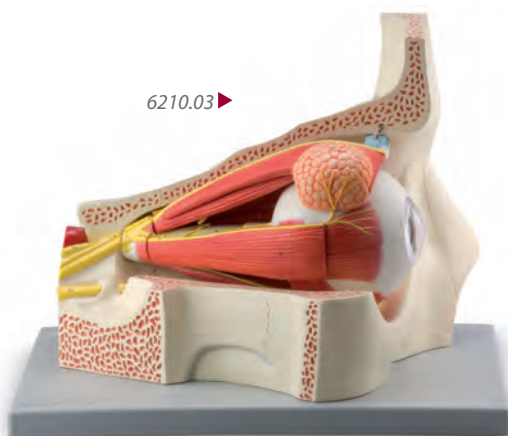




## HUMAN ANATOMY MODELS

### Sense Organs

6210.03 ▶



#### EYE WITH ORBIT, 11 PARTS

6210.03

5X life size. The model shows the eyeball with optic nerves and muscles in its natural position in the bony orbit. The eyeball is dissected in 2 removable halves, with internal structures fully exposed.

The removable parts are:

- cornea, iris, lens and vitreous body (4 parts)
- 3 different muscles rectus bulbi
- levator palpebrae superioris muscle together with the lacrimal gland
- eyeball with extraocular muscles (2 parts)
- base of bony orbit

Mounted on base.

Size: 40x26x31.5 cm

Weight: approx. 1300 g



6210.03 ▲

Mounted on base.  
Size: 40x26x31.5 cm  
Weight: approx. 2850 g

6210.02 ▶



#### EYE WITH ORBIT, 4 PARTS

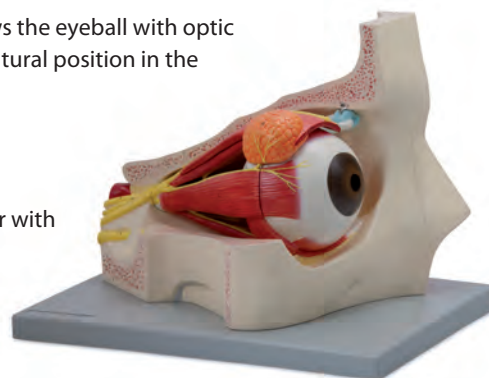
6210.02

6210.02 ▼

5X life size. The model shows the eyeball with optic nerves and muscles in its natural position in the bony orbit.

The removable parts are:

- rectus lateralis muscle
- levator palpebrae
- superioris muscle together with the lacrimal gland
- eyeball with extrinsic eye muscles
- base of bony orbit

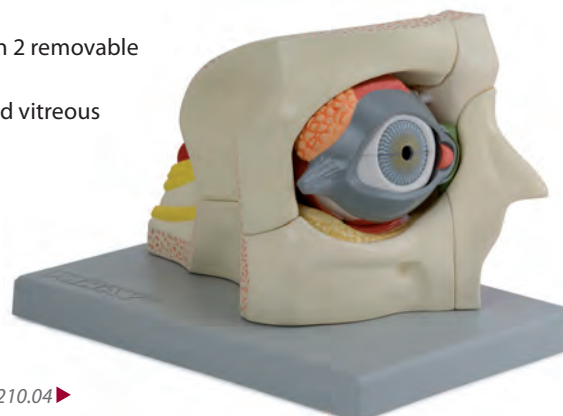


#### EYE IN ORBIT WITH EYELID

6210.04

This 13- part model, enlarged approximately 2,5X life-size, shows the anatomy of the human eye. The orbit can be opened into 3 parts to reveal the internal structures:

- eyelid with lacrimal gland and duct
- muscles (4 parts)
- eyeball dissected in 2 removable halves
- cornea, iris, lens and vitreous body (3 parts)



◀ 6210.04 ▶

Mounted on base.

Size: 19.5x17x21.5 cm - Weight: 800 g



## HUMAN ANATOMY MODELS

### Sense Organs



#### EYE, 6 PARTS

6210.01

6X life size. The model can be dissected on the horizontal plane to show internal details. Cornea, iris, lens and vitreous body can be removed. Muscular attachments on the sclera and part of the choroid are also shown.

Mounted on base with stand.  
Size: 17x15x27 cm - Weight: approx. 850 g

◀ 6210.01

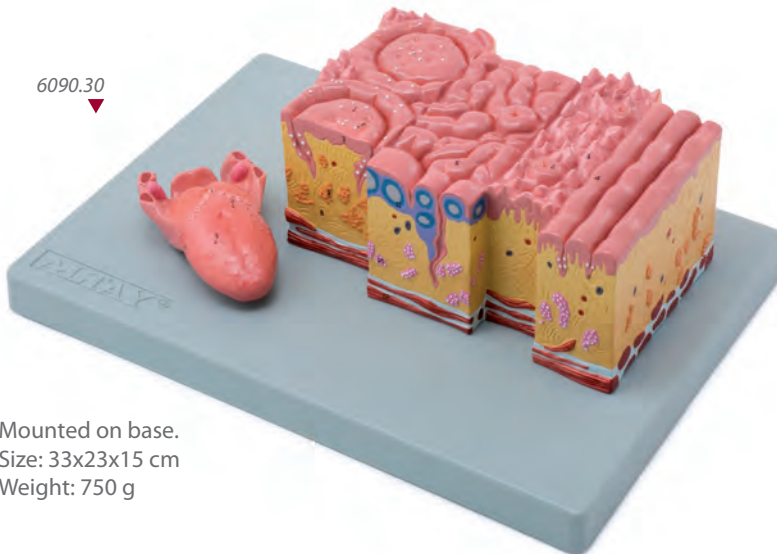


#### TONGUE AND TONGUE TISSUE

6090.30

This item shows the anatomy of the life-size tongue, including the palatin and lingual tonsils, epiglottis and muscles. The model also includes a detailed 20X life-size enlargement of the tongue tissue to show its histology: taste buds, lingual and mucous glands, crypt and muscles are well represented.

6090.30 ▼



Mounted on base.  
Size: 33x23x15 cm  
Weight: 750 g

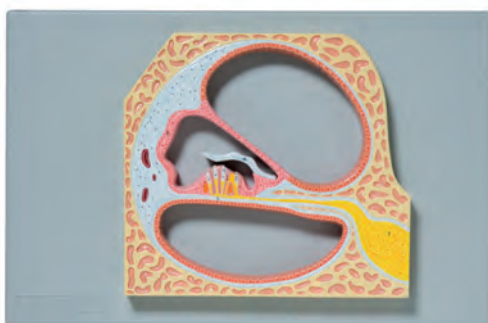
#### COCHLEA AND CORTI'S ORGAN

6220.11

This single-piece model is a useful tool to study the mechanism of sound reception. The model shows an enlarged section of the cochlea and Corti's organ including hair cells, tectorial and basilar membrane.

Mounted on board.  
Size: 40x26x5 cm  
Weight: 1250 g

◀ 6220.11

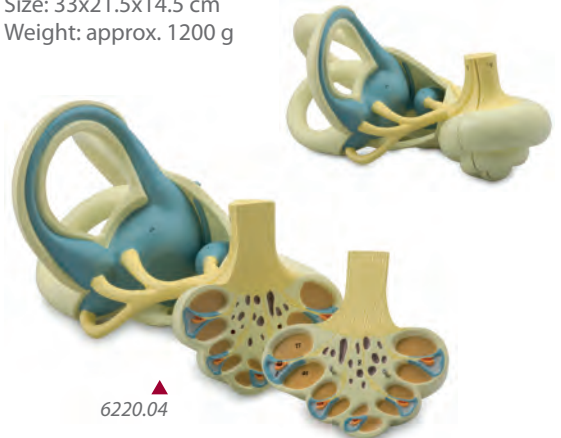


#### LABYRINTH, 2 PARTS

6220.04

Enlarged about 18 times. Composed of 2 parts. The superior semicircular canal and vestibule are open, showing the saccule and utricle.

Size: 33x21.5x14.5 cm  
Weight: approx. 1200 g



▲ 6220.04

#### EAR OSSICLES

6220.03

This model represents the malleus, incus and stapes, enlarged about 20 times.

Size: approx.  
21x14.5x31 cm  
Weight: approx. 480 g



▲ 6220.03



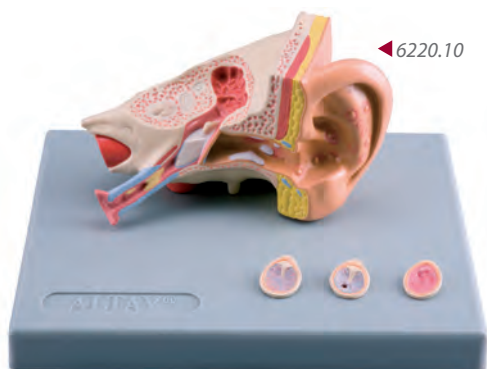
## HUMAN ANATOMY MODELS

### Sense Organs

#### EARDISEASES

6220.10

This 1.5X life size model shows the most common pathologies affecting the outer, middle and inner ear. At the level of the Eustachian tube you can see mucus and secretory otitis media; the cholesteatoma and eczema are also represented in high detail. On the additional relieves you can see a comparison of 3 different eardrums: the first one is healthy, the second one exhibits a perforation and the third one showing the bullous myringitis.



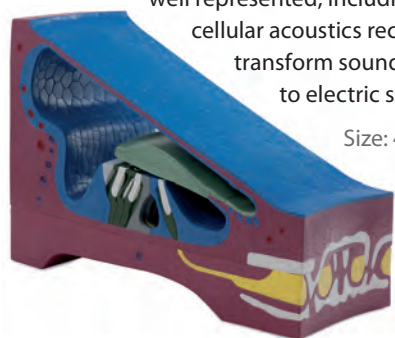
Mounted on base.  
Size: 14x10.5x17 cm - Weight: 188 g



#### COCHLEAR DUCT AND ORGAN OF CORTI

6220.05

350X life size, composed of 5 parts. This model shows a three dimensional section of the cochlear duct, tectorial membrane, basilar membrane and vestibular membrane. The organ of Corti is well represented, including the cellular acoustic receptors that transform sound vibrations into electric signals.

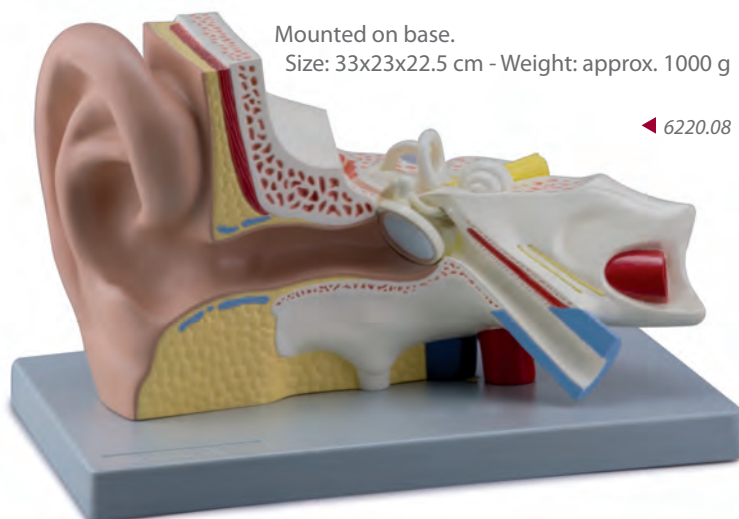


Size: 47x18x32.5 cm  
Weight: approx. 4500 g

#### EAR, 3 PARTS

6220.08

3X life size. The model shows details of the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable. The other removable part is composed of the cochlea and labyrinth with vestibular and cochlear nerves.



Mounted on base.  
Size: 33x23x22.5 cm - Weight: approx. 1000 g

◀ 6220.08

#### EAR, 4 PARTS

6220.12

NEW

Same as 6220.08 with labyrinth and cochlea detachable into two parts.

Mounted on base.  
Size: 33x 23x22.5 cm  
Weight: 1000 g



▲ Cochlea  
for 6220.12 and 6220.13

#### EAR, 6 PARTS

6220.13

NEW

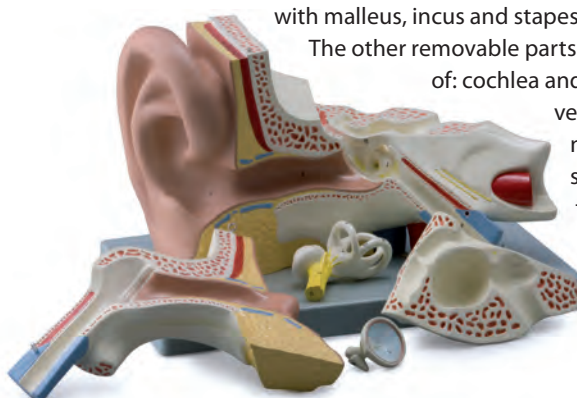
Same as 6220.09 with labyrinth and cochlea detachable into two parts.

Mounted on base.  
Size: 33x23x22.5 cm  
Weight: 2000g

#### EAR, 5 PARTS

6220.09

3X life size. The model shows the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable. The other removable parts are composed of: cochlea and labyrinth with vestibular and cochlear nerves, 2 bone sections that define the middle and inner ear.

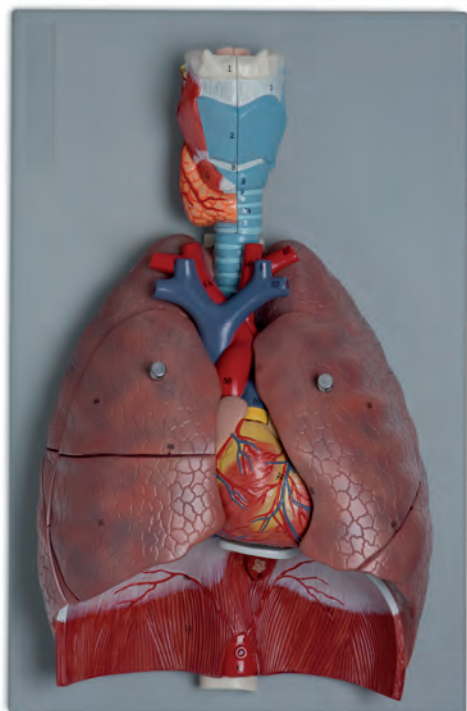


◀ 6220.09

Mounted on base. Size: 33x23x22.5 cm - Weight: approx. 2000 g

## HUMAN ANATOMY MODELS

### Respiratory System

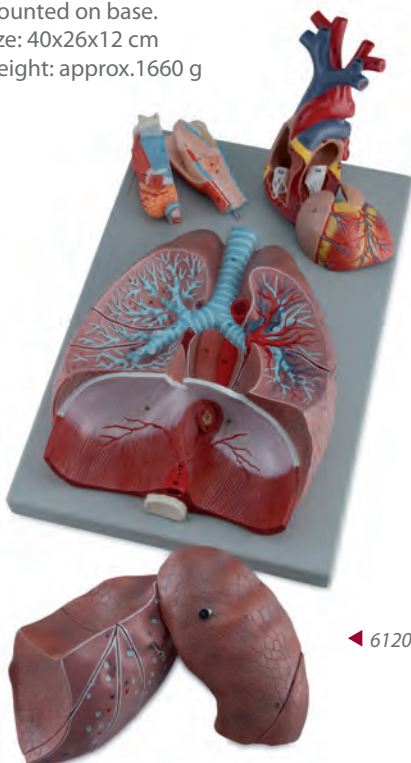


#### HUMAN RESPIRATORY SYSTEM, 7 PARTS

6120.15

A life size reproduction of the complete human respiratory system. It is composed of 7 parts showing the larynx (dissected along the sagittal plane), the lungs (dissected along the frontal plane) and a 2-part heart.

Mounted on base.  
Size: 40x26x12 cm  
Weight: approx.1660 g



◀ 6120.15

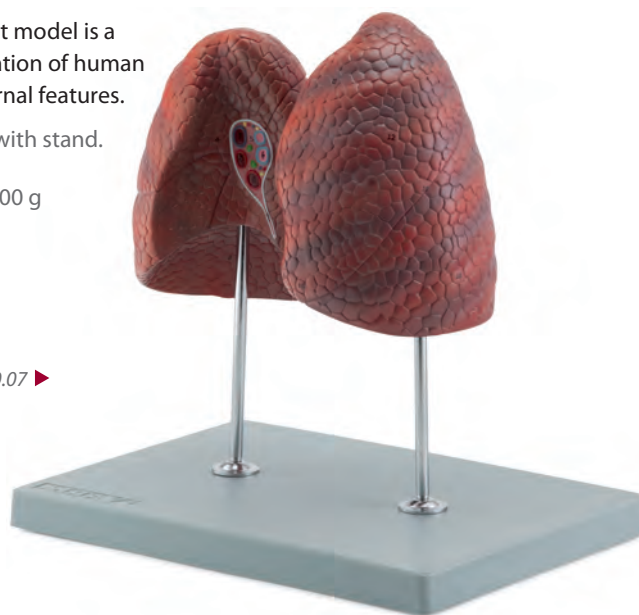
#### LEFT AND RIGHT LUNGS

6120.07

Life size. This 2-part model is a realistic representation of human lungs with all external features.

Mounted on base with stand.  
Size: 33x23x31 cm  
Weight: approx. 1200 g

6120.07 ▶



◀ 6120.15

#### SEGMENTAL LUNGS

6120.05

This life size model shows clearly the segmental anatomy of the left and the right lungs. The various lobes are painted with different colors to highlight their locations.

Mounted on base with stand.  
Size: 33x23x31 cm  
Weight: approx. 1200 g

6120.05 ▶



#### HUMAN RESPIRATORY SYSTEM WITH MAGNIFIED ALVEOLUS

6120.02

A relief model of the respiratory system, including the oronasal cavity, larynx and trachea, primary bronchi and bronchial tree. The upper respiratory tract is sectioned along the medial sagittal plane. An alveolus with blood vessels (about 150X life size) is shown with excellent internal detail.

Mounted on base.  
Size: 40x26x8 cm  
Weight: approx. 850 g

▶ 6120.02





## HUMAN ANATOMY MODELS

### Respiratory System



Mounted on base  
Size: 11x11x14 cm  
Weight: 150 g

6120.19 ▶

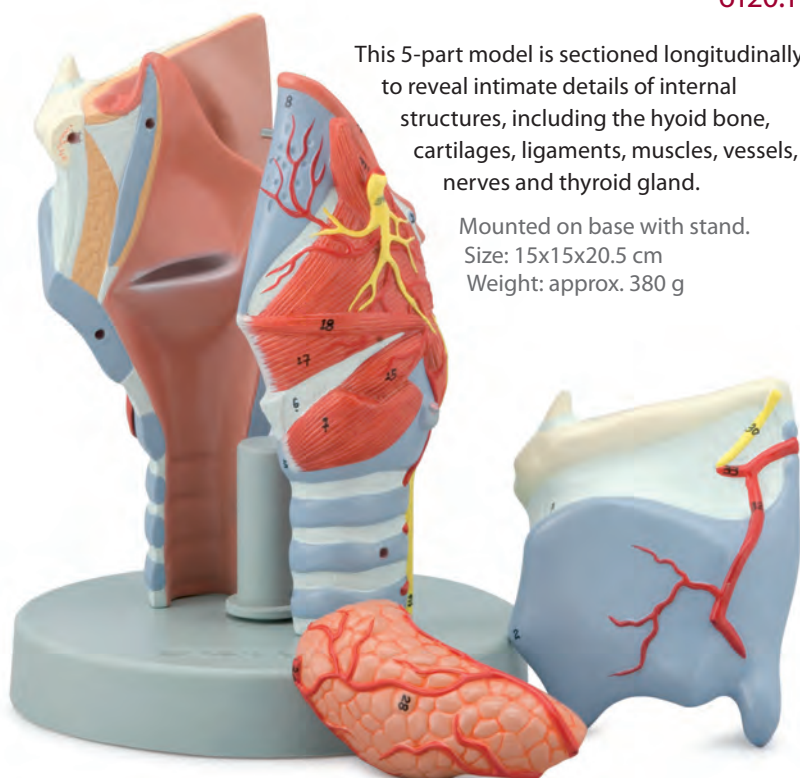
#### LARYNX, LIFE SIZE, 2 PARTS

6120.19

This life size model can be opened into 2 parts to show the anatomy of the human larynx and related structures: hyoid bone, cartilages, ligaments, muscles, vessels, nerves and thyroid gland.

#### LARYNX MODEL, 2 TIMES ENLARGED, 5 PARTS

6120.11



This 5-part model is sectioned longitudinally to reveal intimate details of internal structures, including the hyoid bone, cartilages, ligaments, muscles, vessels, nerves and thyroid gland.

Mounted on base with stand.  
Size: 15x15x20.5 cm  
Weight: approx. 380 g

#### PATHOLOGICAL MODEL OF THE BRONCHI

6120.13

This 10x life size, 1-part model, shows 2 pathologies of the bronchi (bronchitis and bronchiectasis), referring to an inflammation and an abnormal chronic dilatation of one or more of the bronchi, respectively.



Mounted on base with stand.  
Size: 11x17x22 cm  
Weight: approx. 120 g

◀ 6120.13

#### PATHOLOGICAL MODEL OF THE LUNG

6120.12

This 1-part, 2/3 life size model illustrates some of pathologies of the pulmonary system caused by microbial infections (lung abscess, pneumonia and tuberculosis). The surface of the model is black to show the visible effect of smoking. A cancerous tumor is also shown with excellent detail. All the pathologies are showed separately in the model with a realistic representation of their morphology.

Mounted on base with stand.  
Size: 11x11x20 cm  
Weight: 250 g



6120.12 ▶

6120.11 ▶

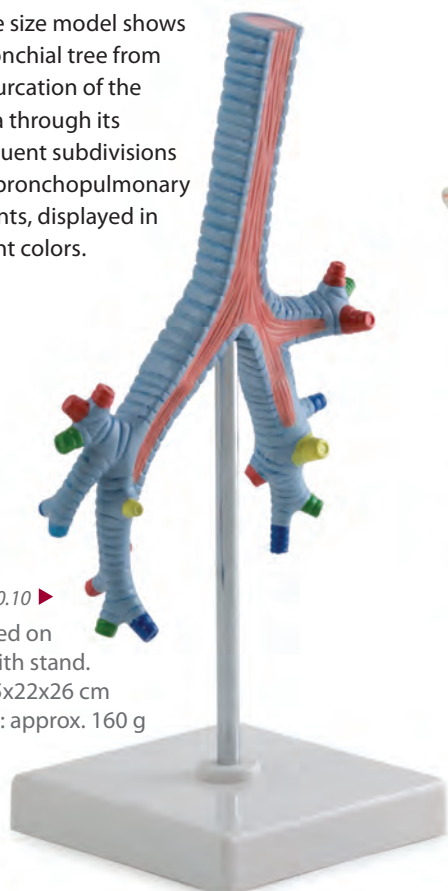
## HUMAN ANATOMY MODELS

### Respiratory System

#### MODEL OF SEGMENTAL BRONCHI

6120.10

This life size model shows the bronchial tree from the bifurcation of the trachea through its subsequent subdivisions to the bronchopulmonary segments, displayed in different colors.



6120.10 ▶  
Mounted on base with stand.  
Size: 15x22x26 cm  
Weight: approx. 160 g

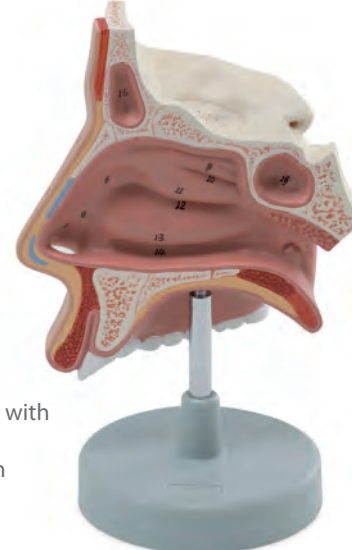
#### NASAL CAVITY

6120.03

This life size model shows a section of the nasal cavity.



◀ 6120.03 ▶  
Mounted on base with stand.  
Size: 11x13x20 cm  
Weight: 220 g



#### NASAL CAVITY, 3 PARTS

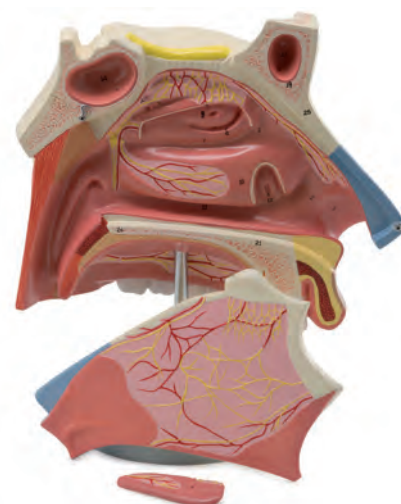
6120.06

3X life size, the model shows a medial section of the nasal cavity. The nasal septum and part of the olfactory epithelium are removable to expose deep internal structures.

Mounted on base with stand. Size: 15x20x30 cm- Weight: approx. 1000 g



6120.06 ▶



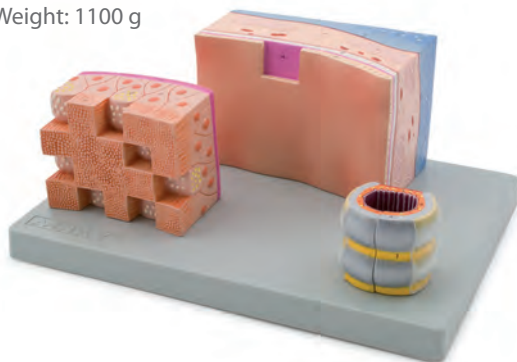
#### TRACHEA SECTION

6120.20

This item is composed of 3 different models on the same base: the first one reproduces a 3X life-size cross-section of the human trachea; it can be longitudinally divided into two parts to show the inner anatomy. The second model is an enlargement of the anterior trachea wall cross-section; it shows all the different layers, from the tracheal cartilage to the epithelium. The third one shows the magnified pseudostratified ciliated epithelium in great detail: it displays the typical ciliated cells and the mucous cells.



6120.20 ▼  
Mounted on base.  
Size: 33x23x13 cm  
Weight: 1100 g





## HUMAN ANATOMY MODELS

### Heart and Circulatory System

#### HUMAN HEART, 2 PARTS

6070.02

Life size in 2 parts. The anterior heart wall can be removed to show the left and right ventricles and atria as well as the tricuspid, pulmonary, mitral and aortic valves.

#### ATHEROSCLEROSIS AND THROMBOSIS MODEL

6070.10

Atherosclerosis is the most common acquired disease of arteries in developed countries. This pathology, characterized by thickening of the arterial walls with subsequent loss of elasticity, is associated with the buildup of plaque (mainly cholesterol) in the arterial lumen. This model, approximately 10X life size, shows the atheromatous plaque in various pathological stages along with local intravascular clotting (thrombosis) due to the arterial narrowing.



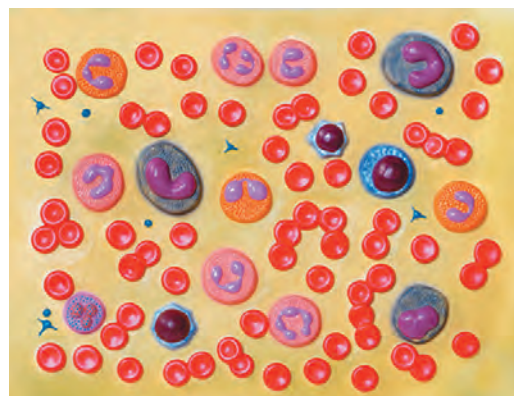
Mounted on base with stand.  
Size: 16.5x13x17 cm - Weight: approx. 110 g

#### HUMAN BLOOD CELLS

6070.04

Enlarged 2000 times, this model shows the various types of blood cells, including red blood cells; white blood cells (lymphocytes, monocytes, neutrophils, eosinophils and basophils) and blood platelets.

Mounted on board.  
Size: 53x38x7.5 cm  
Weight: approx. 1000 g

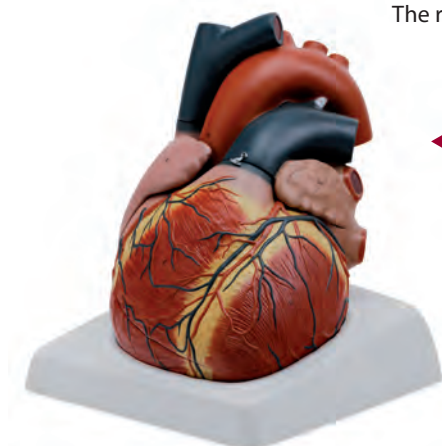


#### GIANT HEART, 4 PARTS

6070.05

6070.04

This 4-part model is 3X life size. It is sectioned along the anterior plane to show internal structures, including the cardiac valves and the comparative morphology of the right and left ventricles. The right atrium is also removable.



6070.05

Mounted on base.  
Size: 25x24x29cm  
Weight: approx. 3520 g



## HUMAN ANATOMY MODELS

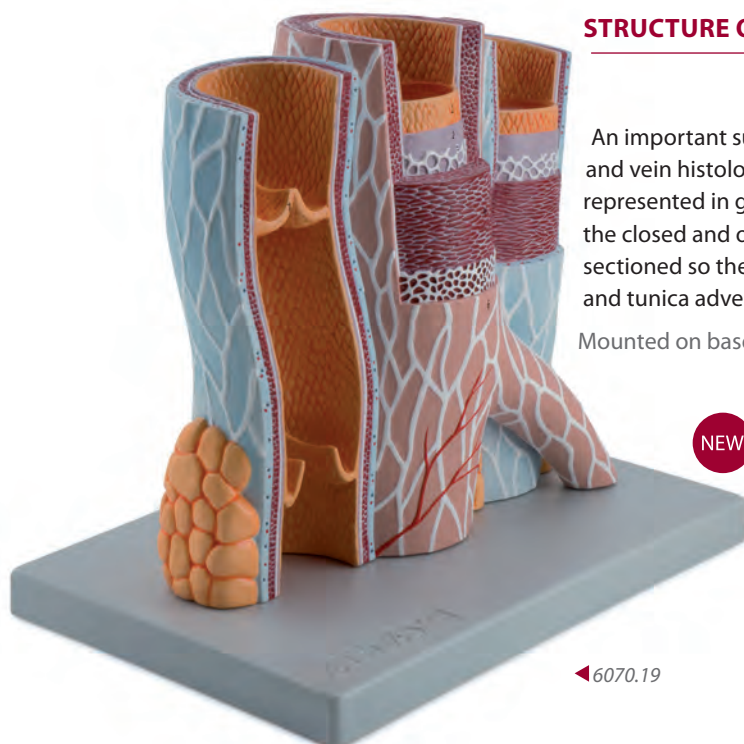
### Heart and Circulatory System

#### STRUCTURE OF ARTERY AND VEIN

6070.19

An important support for understanding the difference between artery and vein histology. In this single-piece model one artery and two veins are represented in great detail. One vein is longitudinally sectioned to show the closed and open venous valves; the artery and the right vein are cross-sectioned so the different layers, such as tunica media, elastic membrane and tunica adventitia, can be easily recognized. 20X life size.

Mounted on base. Size: 20x30x27 cm - Weight: 800 g



NEW

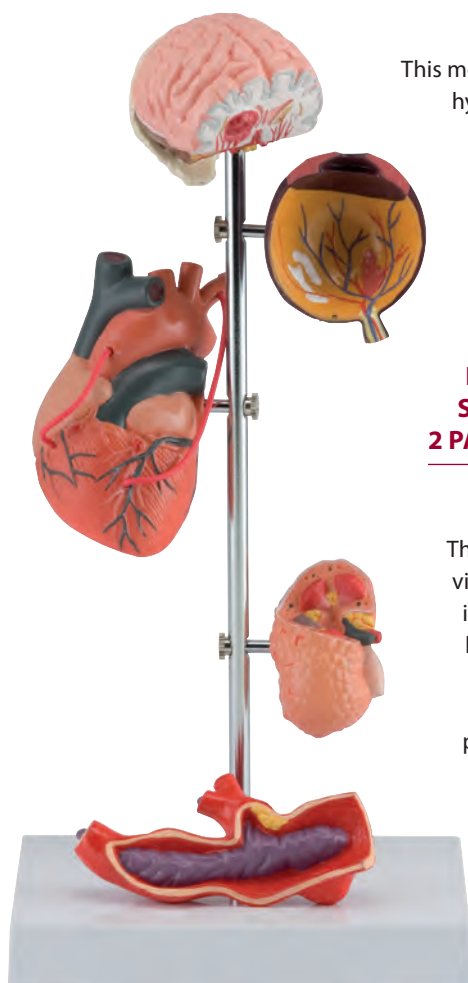
◀ 6070.19

#### EFFECTS OF HYPERTENSION, 5 PARTS

6070.12

This model shows the effects of hypertension on brain, eye, heart, kidney and artery. The organs can be rotated for a detailed examination.

Mounted on base with stand. Size: 13x13x33 cm  
Weight: 300 g



#### HUMAN CIRCULATORY SYSTEM, 1/2 NATURAL SIZE, 2 PARTS

6070.07

The model represents a general view of the human circulation. It includes the heart (2 parts), lungs, liver, spleen, kidneys and relevant connections with the pulmonary and systemic circulatory pathways.

Mounted on a board.  
Size 90x32x11.5 cm  
Weight: approx. 2300 g

6070.07 ▶

◀ 6070.12





## HUMAN ANATOMY MODELS

### Heart and Circulatory System

#### HUMAN HEART WITH THYMUS

6070.16

This three-part natural size model shows the anatomy of the human heart associated with the thymus gland. The thymus and the anterior heart wall can be removed for closer examination of the inner heart structures such as the left and right atria and ventricles, valves and papillary muscles.

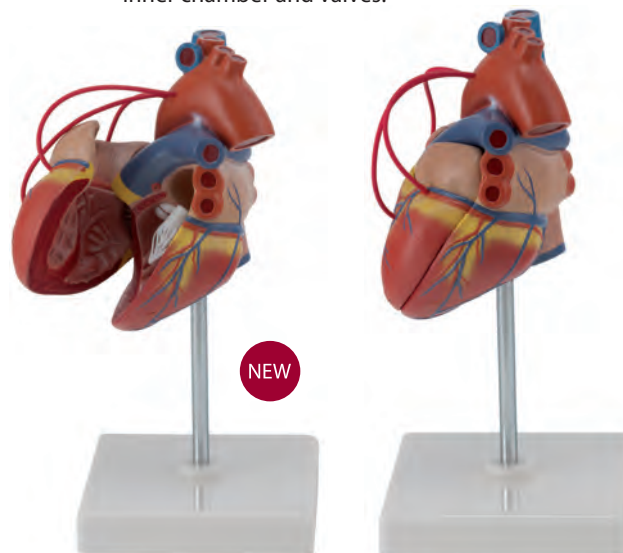
Mounted on base with stand. Size: 11x11x22 cm - Weight: 250 g



#### INTRODUCTORY CORONARY BYPASS

6070.15

This life-size two-part model provides an extremely detailed illustration of the anatomy of the human heart with three coronary bypasses. The anterior wall can be detached to expose the inner chamber and valves.



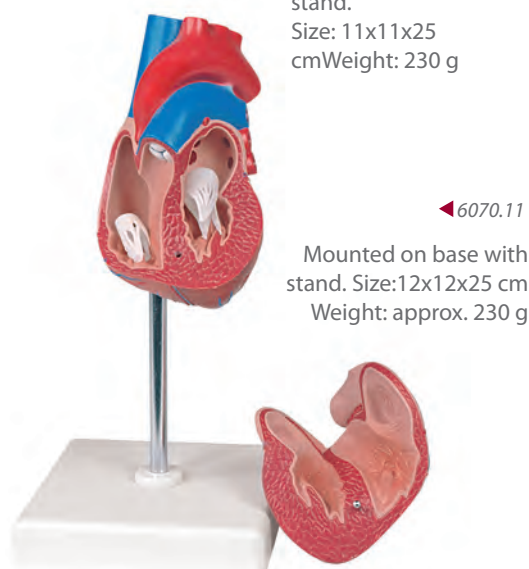
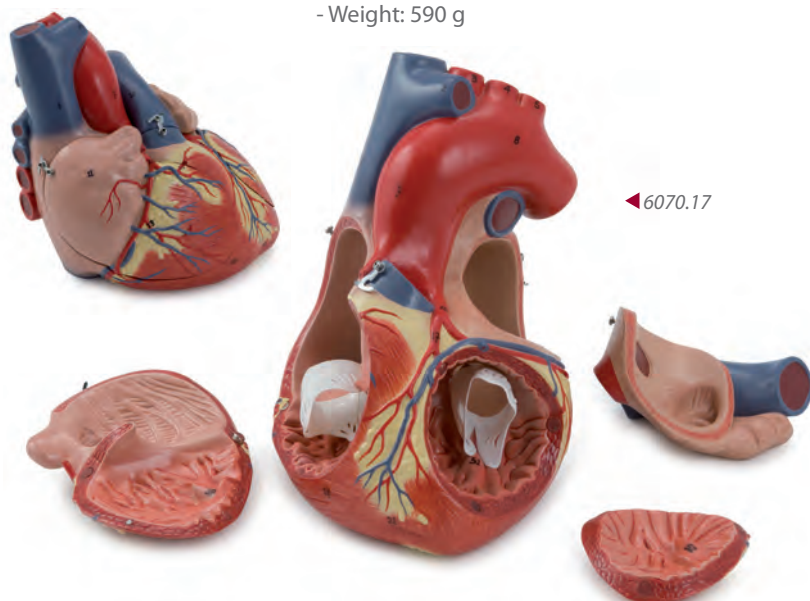
6070.15  
Mounted on base with stand.  
Size: 11x11x25 cm  
Weight: 230 g

#### HUMAN HEART, 4 PARTS, 2X LIFE SIZE

6070.17

This 2X life size model describes all the main structures of the human heart in great detail. The right part is detachable, to expose the inner chambers and valves. The left auricle and ventricle wall can be removed to show the atrium, the mitral valve, the ventricle and papillary muscles.

Mounted on base with stand. Size: 11x11x17 cm  
- Weight: 590 g



6070.11  
Mounted on base with stand. Size: 12x12x25 cm  
Weight: approx. 230 g

#### HEART HYPERTROPHY

6070.11

This life size model shows the compensatory hypertrophy heart disease. This pathology is characterized by the myocardium thickening of the muscular fibres of the left ventricle. Hypertrophy heart disease is the complication of a chronic hypertension. The model is divided in 2 parts and mounted on base with stand.

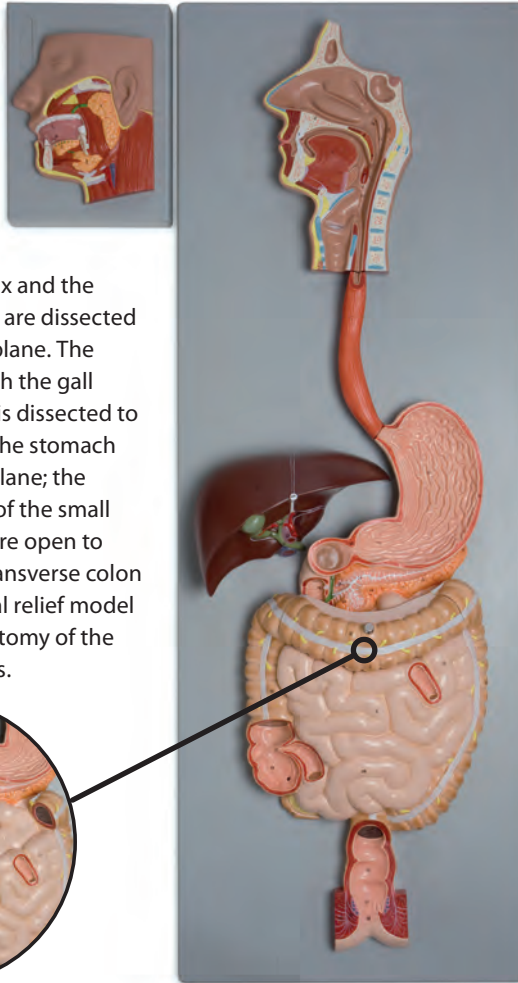
## HUMAN ANATOMY MODELS

### Digestive System

#### HUMAN DIGESTIVE SYSTEM, 3 PARTS

6090.01

This life size model shows the human digestive tract from mouth cavity to rectum. The oral cavity, the pharynx and the first part of the esophagus are dissected along the medial sagittal plane. The liver is shown together with the gall bladder and the pancreas is dissected to expose internal features. The stomach is open along the frontal plane; the duodenum, caecum, part of the small intestine and the rectum are open to expose the interior. The transverse colon is removable. An additional relief model of the head shows the anatomy of the mouth with salivary glands.



6090.01 ▶

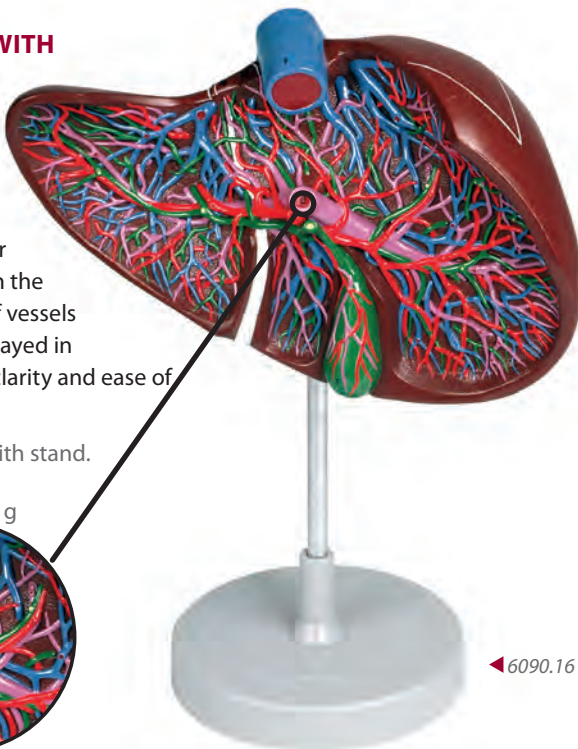
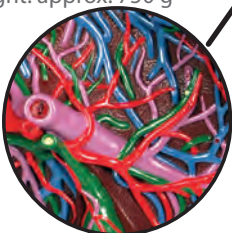
Mounted on board. Size: 90x32x14 cm - Weight: approx. 2200 g

#### LIVER SECTION WITH GALLBLADDER

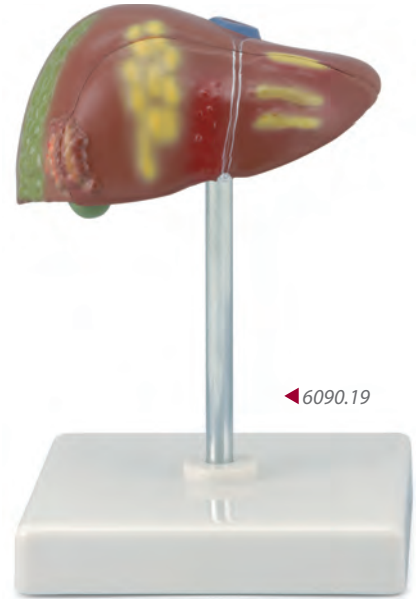
6090.16

The model, 1.5X life size, shows the liver and gallbladder in open section with the complex network of vessels and bile ducts, displayed in different colors for clarity and ease of examination.

Mounted on base with stand.  
Size: 15x17x26 cm  
Weight: approx. 750 g



◀ 6090.16



◀ 6090.19

#### PATHOLOGICAL MODEL OF THE LIVER

6090.19

This 1/3 life size model is divided into 2 parts; the following diseases are represented with great detail and realism:

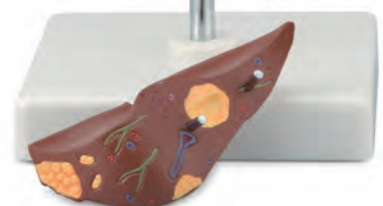
- Viral hepatitis
- Liver abscess
- Fatty liver
- Cirrhosis
- Liver cancer
- Gallstones

All the pathologies are showed separately in the model with a realistic representation of their morphology.



Mounted on base with stand.  
Size: 11x11x21 cm  
Weight: approx. 165 g

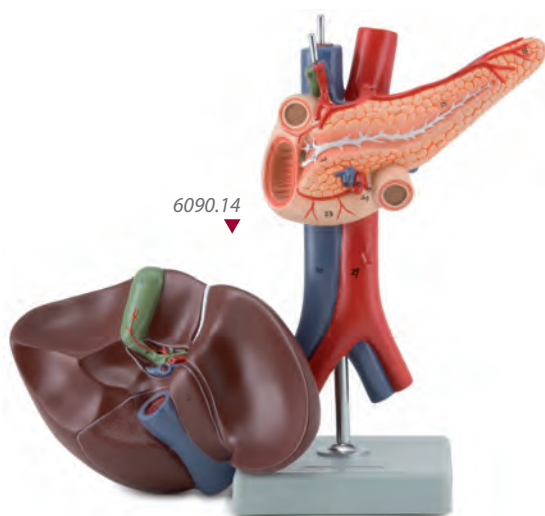
6090.19 ▶





## HUMAN ANATOMY MODELS

### Digestive System



6090.14

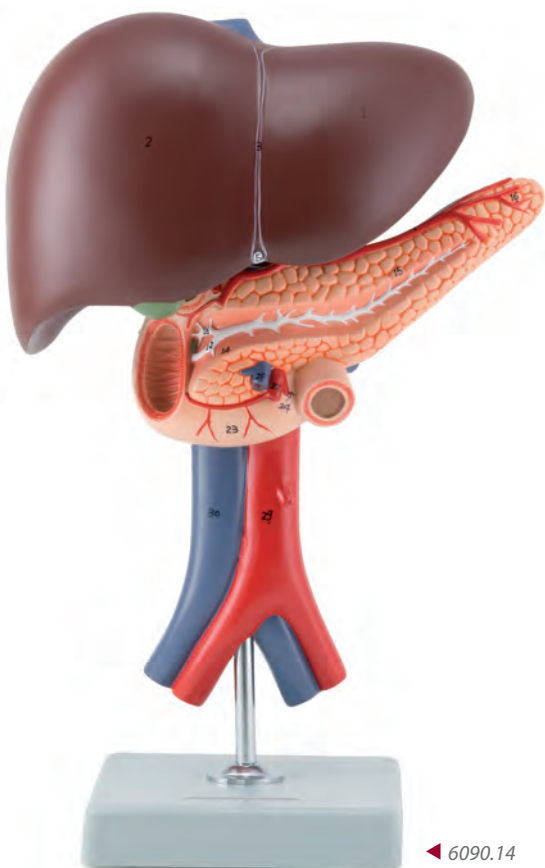
6090.07 ▶

#### LIVER, PANCREAS AND DUODENUM

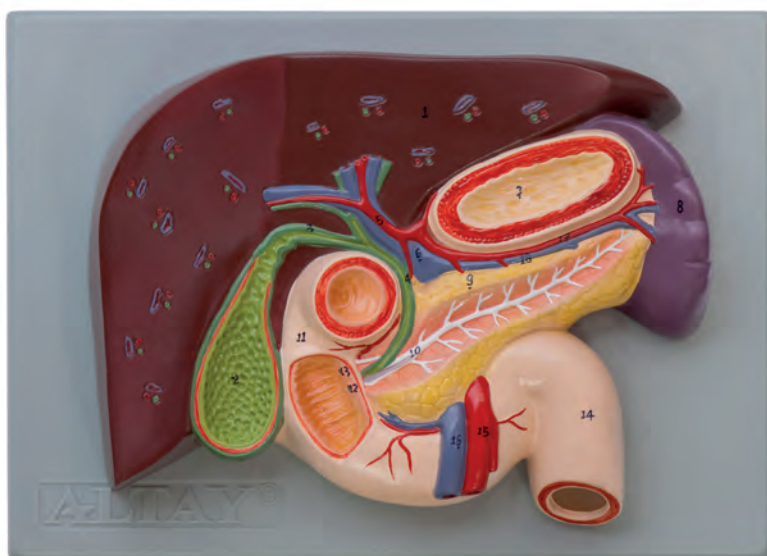
6090.14

This life size model, 2-part model, shows the liver with gallbladder, pancreas and partly dissected duodenum. It includes inferior vena cava, abdominal aorta and pancreatic ducts.

Mounted on base with stand.  
Size: 12x14x33cm  
Weight: approx. 500 g



◀ 6090.14



#### LIVER WITH GALLBLADDER, PANCREAS AND DUODENUM

6090.07

This life size model shows a section of the liver with gall bladder, pancreas and duodenum, hepatic and pancreatic ducts.

Mounted on board.  
Size: 25x18x6.5 cm  
Weight: approx. 380 g

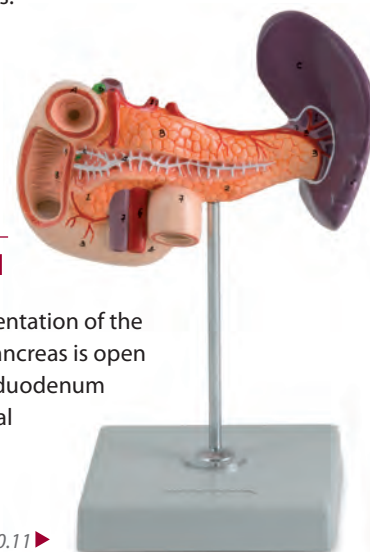
#### PANCREAS, DUODENUM AND SPLEEN

6090.11

This life size model is an accurate representation of the pancreas, spleen and duodenum. The pancreas is open to show the entire pancreatic duct. The duodenum is partially dissected to expose its internal structure.

Mounted on base with stand.  
Size: 12x19x27 cm  
Weight: approx. 200 g

6090.11 ▶



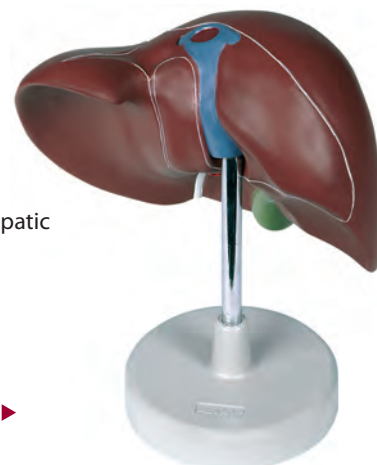
#### LIVER, LIFE SIZE

6090.05

This realistic model reproduces a life size liver with the gall bladder. The hilus vessels are shown as well as the extrahepatic ducts and the main ligaments.

Mounted on base with stand.  
Size: 17.5x11x18 cm  
Weight: approx. 270 g

6090.05 ▶



## HUMAN ANATOMY MODELS

### Digestive System

NEW

Mounted on base.  
Size: 30x20x38 cm  
Weight: 2000 g

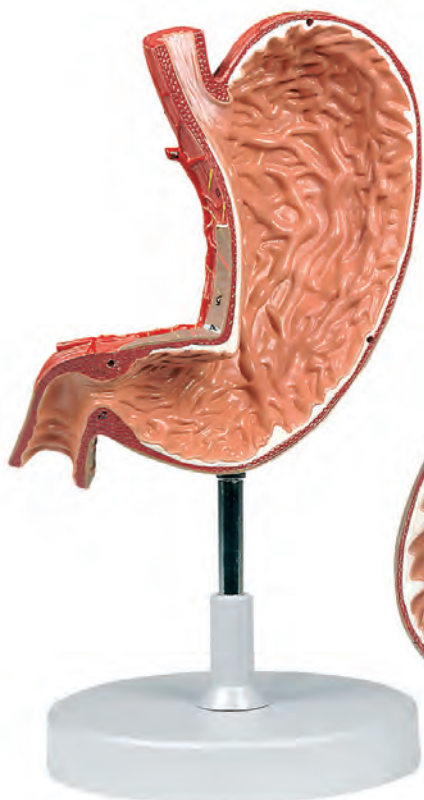
6090.28 ▶



#### STRUCTURE OF THE STOMACH WALL

6090.28

This one-piece model, 150X life size, is an important tool to study the histology of the most important organ of the digestive system: the stomach. All the different layers from the epithelium to the serous coat are represented with great accuracy and detail. The principal structures, including different cellular types, capillary and lymphatic vessels are numbered and identified on the accompanying k-card (included).



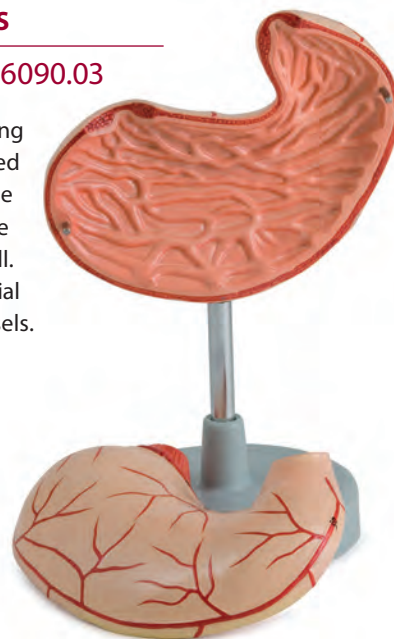
#### STOMACH, LIFE SIZE, 2 PARTS

6090.03

This life size model is dissected along the medial plane and can be opened to show the internal structure of the stomach, including the mucosa, the pylorus, a section of the gastric wall. The model also shows the superficial muscular layers and the blood vessels.



◀ 6090.03



Mounted on base with stand.  
Size: 11x13x18 cm- Weight: approx. 230 g

#### STOMACH, 1.5X LIFE SIZE, 2 PARTS

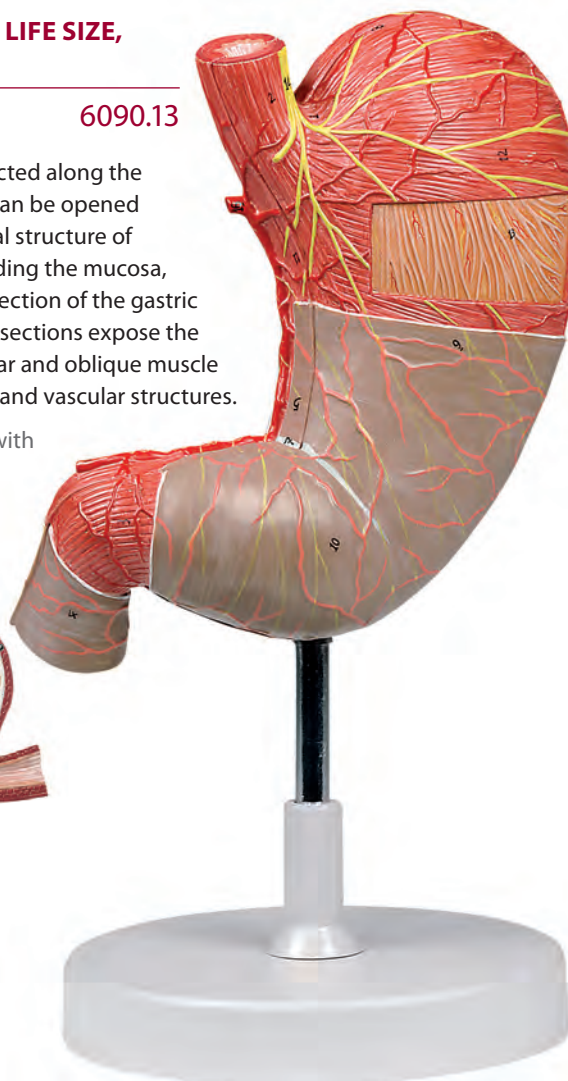
6090.13

This model is dissected along the medial plane and can be opened to show the internal structure of the stomach, including the mucosa, the pylorus and a section of the gastric wall. Superficial dissections expose the longitudinal, circular and oblique muscle layers, with nerves and vascular structures.

Mounted on base with stand.  
Size: 11x16x20 cm  
Weight: approx. 680 g



6090.13 ▶



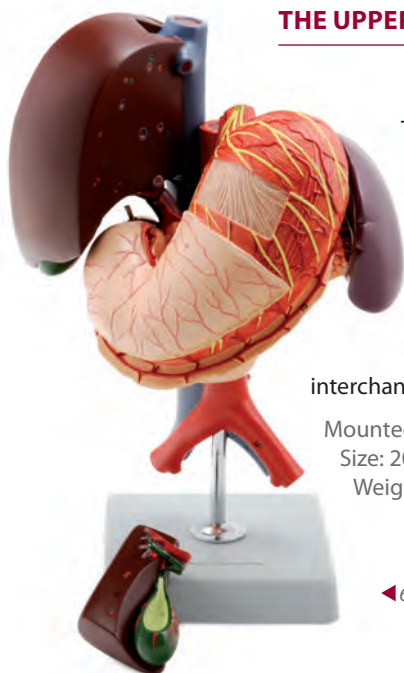


## HUMAN ANATOMY MODELS

### Digestive System

#### STOMACH AND ASSOCIATED ORGANS OF THE UPPER ABDOMEN, 6 PARTS

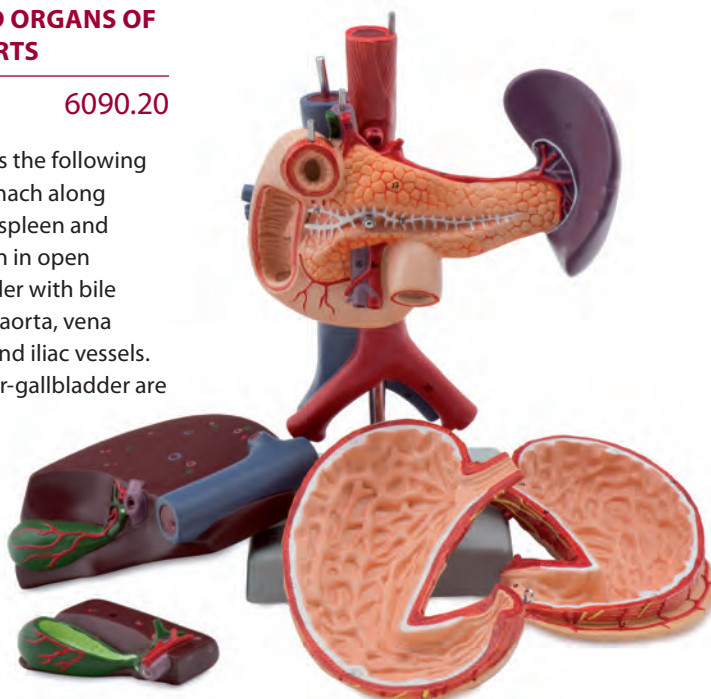
6090.20



This life size model has the following features, 2-part stomach along with the pancreas, spleen and duodenum (shown in open section), gallbladder with bile ducts, abdominal aorta, vena cava, mesenteric and iliac vessels. 2 sections of the liver-gallbladder are interchangeable.

Mounted on base with stand.  
Size: 20x15x32 cm  
Weight: approx. 900 g

◀ 6090.20

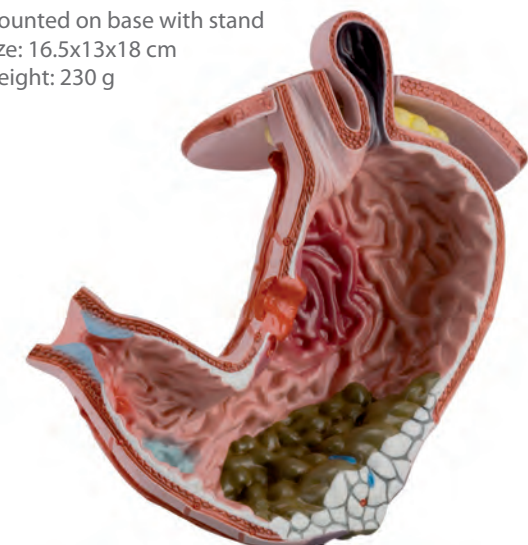


#### GASTRIC DISEASES

6090.24

This 1-piece life size model describes the most common pathologies of the stomach including ulcerated gastric cancer, pyloric stenosis, gastric ulcer, chronic atrophic gastritis, hiatal hernia, bleeding gastritis and carcinoma: all the pathologies are represented in high detail.

Mounted on base with stand  
Size: 16.5x13x18 cm  
Weight: 230 g



◀ 6090.24

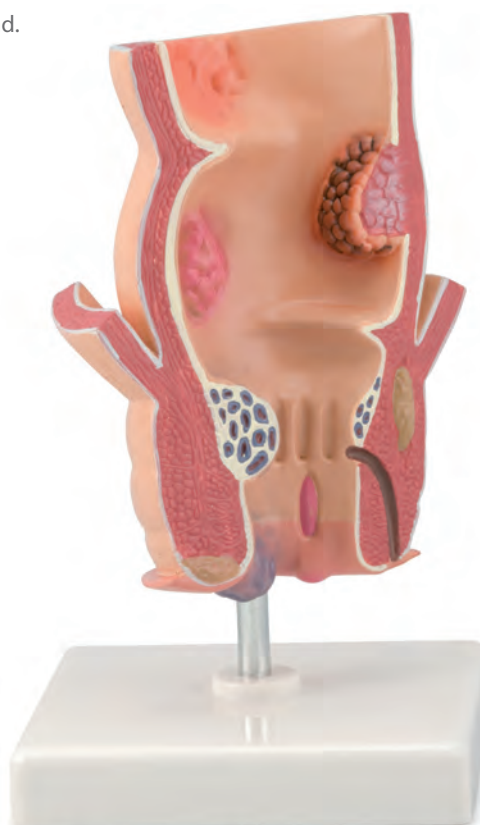
#### PATHOLOGICAL MODEL OF THE RECTUM

6090.18

This 1-piece model, approximately 5X life size, shows various pathologies of the rectum and anus. Common anorectal conditions, including hemorrhoids, anal fistulae and fissures and 2 types of abscesses are shown in great detail. The model also illustrates ulcerative colitis, polyps and rectal carcinoma.

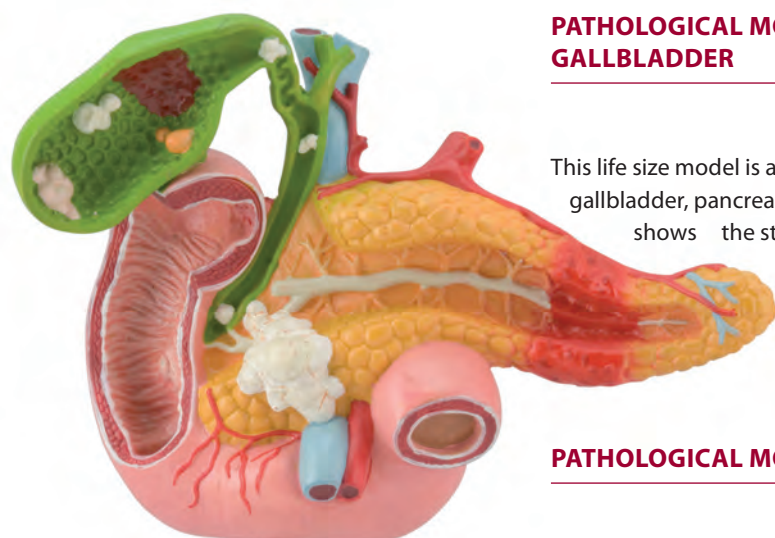
Mounted on base with stand.  
Size: 11x11x20.5 cm  
Weight: approx. 200 g

6090.18 ▶



## HUMAN ANATOMY MODELS

### Digestive System



#### **PATHOLOGICAL MODEL OF THE PANCREAS, DUODENUM AND GALLBLADDER**

6090.23

This life size model is a representation of the most important diseases of the gallbladder, pancreas and duodenum. The gallbladder, partially opened, shows the stones located in various locations, cholecystitis, polyposis and carcinoma. Diseases of the pancreas include pancreatitis in the pancreas tail and cancer in the pancreas head. Also included is a section of the duodenum with a duodenal ulcer.

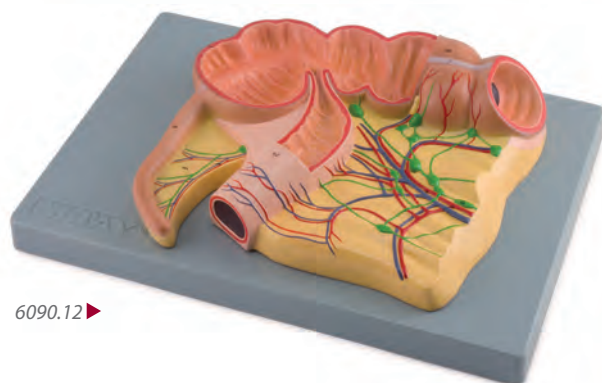
#### **PATHOLOGICAL MODEL OF COLON AND RECTUM**

6090.29

This 1/2 life size model shows various pathologies of the colon and rectum. In the descending colon region, adhesion and cancer are well represented; other pathological conditions include inflamed appendix, intussusception, Crohn disease, ulcerative colitis and adenocarcinoma. The rectum exhibits an ulcerative form of rectal cancer.

Mounted on base with stand.  
Size: 25x18x15 cm  
Weight: approx. 200 g

◀ 6090.23



6090.12 ▶

#### **CAECUM AND APPENDIX**

6090.12

This model is 2X life size; it shows the open caecum with appendix, ileum, ileocaecal orifice and valve. Blood vessels and lymph nodes are also represented.

Mounted on board.  
Size: 33x23x8 cm - Weight: approx. 600 g



Mounted on base with stand  
Size: 18x15.5x29 cm  
Weight: 480 g

◀ 6090.29





## HUMAN ANATOMY MODELS

### Digestive System

#### **PATHOLOGICAL MODEL OF ESOPHAGUS**

6090.17

This model, 5X life size, shows the esophagus in longitudinal section, exposing common pathologies including ulcer (2 types), erosion caused by acid reflux, diverticula, varicosities and esophageal cancer.

Mounted on base with stand. Size: 11x11x25 cm Weight: approx. 160 g

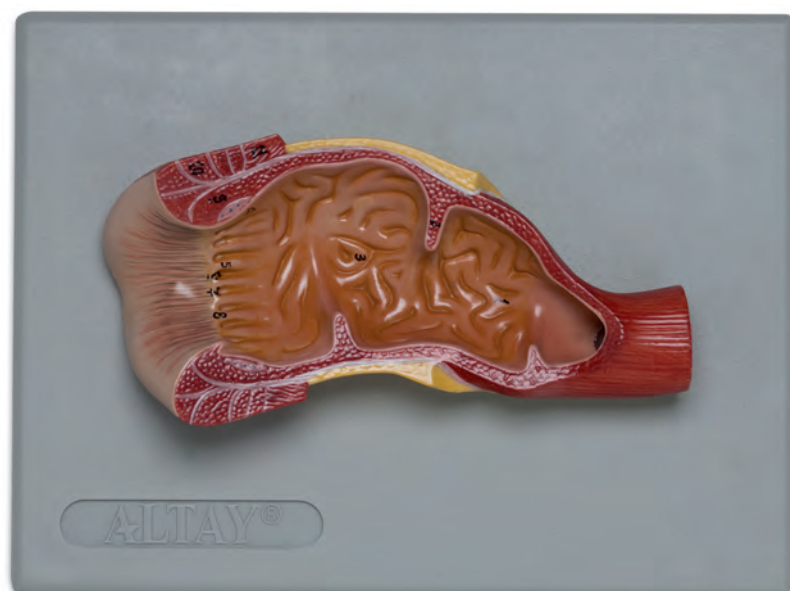
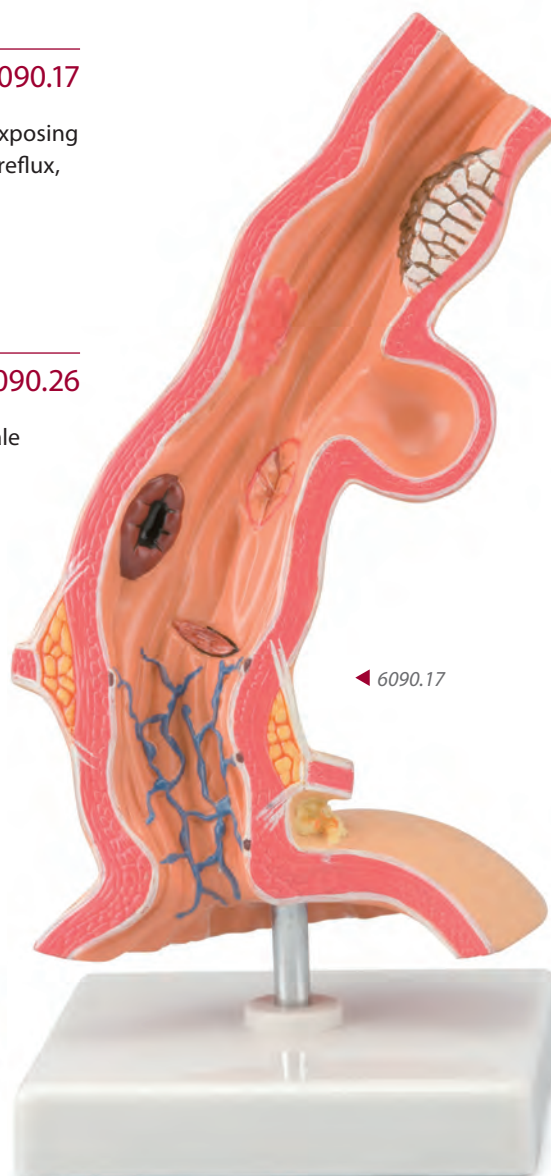
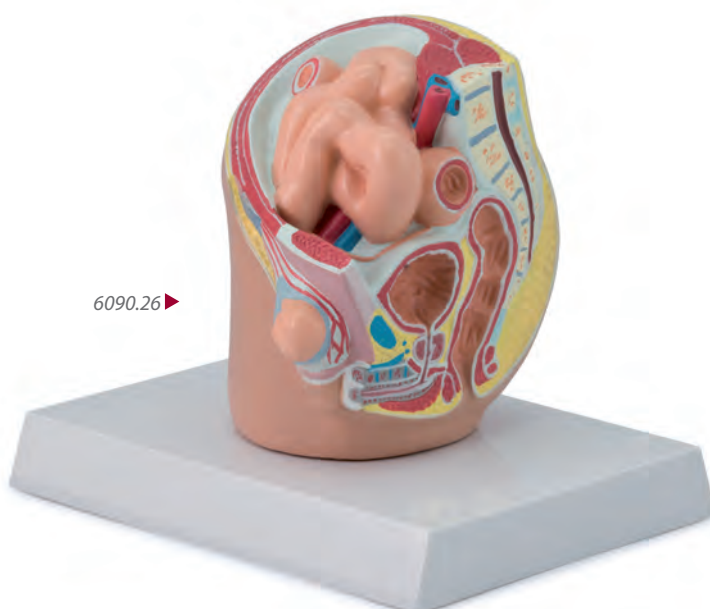
#### **INDIRECT INGUINAL HERNIA**

6090.26

This 1/2 life size model shows the medial and sagittal section of the male human pelvis with an indirect inguinal hernia.

Mounted on base.

Size: 11x9x12.5 cm - Weight: approx. 220 g



#### **HUMAN ANUS MODEL**

6090.08

This life size model shows a frontal section of the human anus. Structures of the rectum, including the internal and external sphincter muscles, mucous membrane, ampullae and anal valves are readily visible.

Mounted on board.

Size: 20x15x12 cm

Weight: approx. 170 g

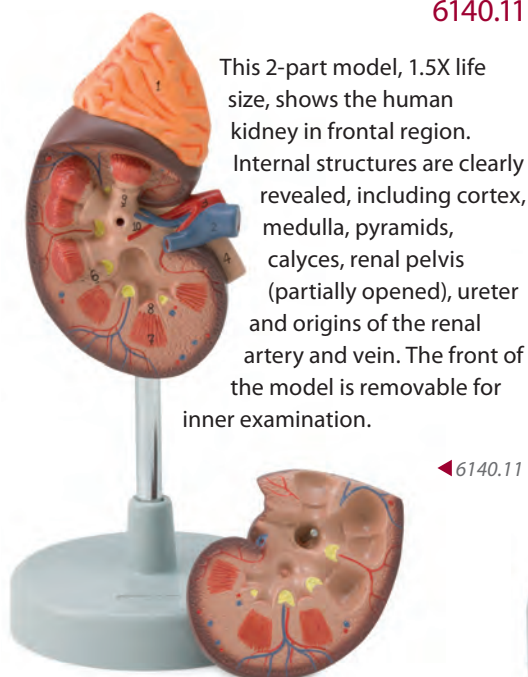
◀ 6090.08

## HUMAN ANATOMY MODELS

### Urinary System

#### KIDNEY WITH ADRENAL GLAND, 1.5 TIMES ENLARGED, 2 PARTS

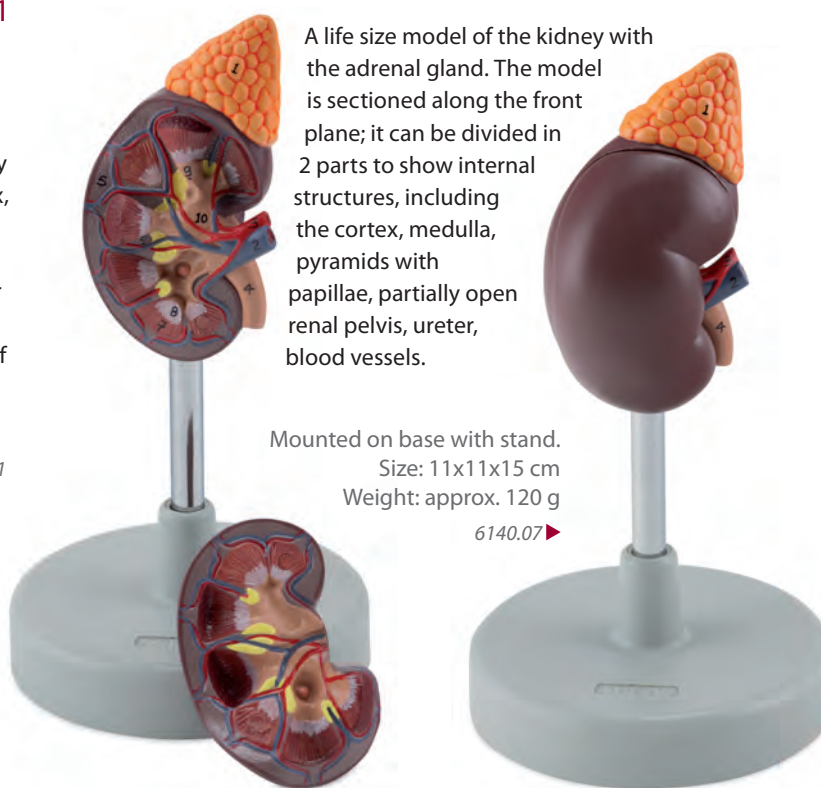
6140.11



Mounted on base with stand.  
Size: 11x11x23 cm - Weight: approx. 200 g

#### KIDNEY WITH ADRENAL GLAND, LIFE SIZE, 2 PARTS

6140.07



A life size model of the kidney with the adrenal gland. The model is sectioned along the front plane; it can be divided in 2 parts to show internal structures, including the cortex, medulla, pyramids with papillae, partially open renal pelvis, ureter, blood vessels.

Mounted on base with stand.  
Size: 11x11x15 cm  
Weight: approx. 120 g

6140.07

#### KIDNEY SECTION WITH RENAL NEPHRON AND RENAL CORPUSCLE

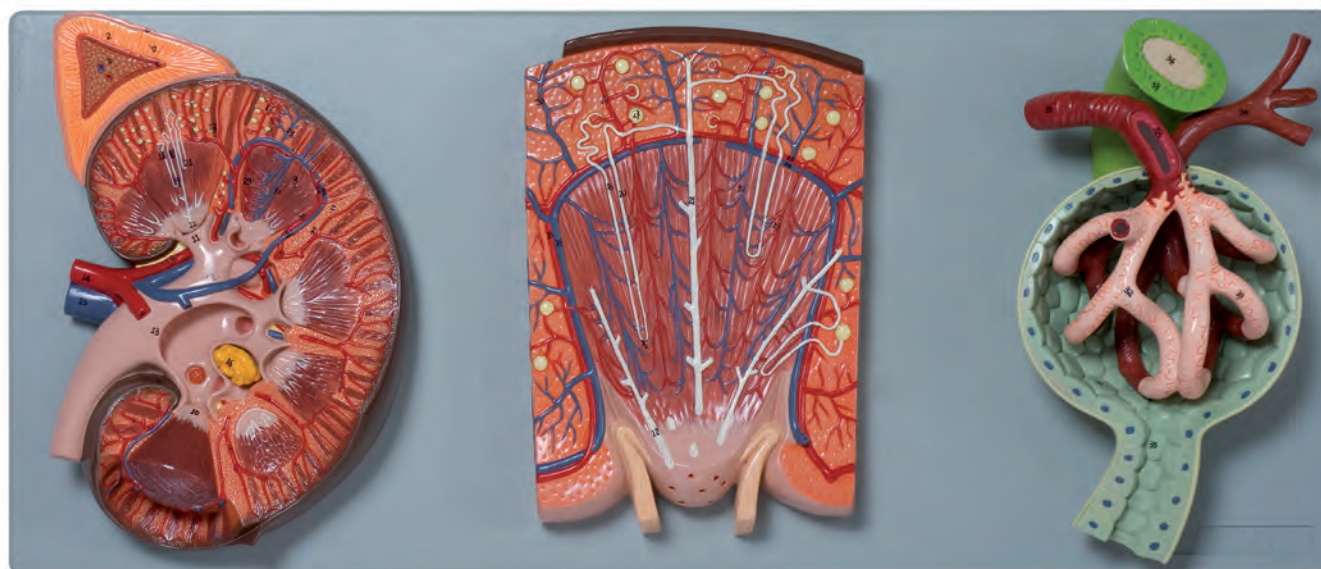
6140.14

This 3 models set shows the basic structure of the kidney. We can find as a first model a frontal section of the kidney, enlarged 3 times, illustrates adrenal gland, cortex, medulla, pyramids with papillae, renal pelvis and blood vessels. The second model, representing a nephron enlarged 120 times, shows a renal tubules, a collecting tube system and Henle's loop. The third one illustrates Malpighian corpuscle with the Bowman's capsule, 700 times life size.

All these models are a great instrument to understand the kidney anatomy in all the inner details.

The three models are mounted on board. Size: 70x30x11 cm - Weight: approx. 3000 g

6140.14





## HUMAN ANATOMY MODELS

### Urinary System

#### NEPHRON DISEASES

6140.17

This 300X life size model consists of 2 renal corpuscle sections: the first one shows the anatomy of the healthy glomerulus, the second one describes the most important glomerular pathologies due to hypertension: afferent arteriole arteriosclerosis, changes of vascular calibre, endotheliocyte and the consequent increase of plasma proteins in the urine. All the particulars are represented in high detail.

Mounted on board  
Size: 20.5x15.5x6.5 cm- Weight: 110 g



6140.17

#### PATHOLOGICAL MODEL OF RENAL CALCULUS

6140.13

This model shows the pathology of renal calculus (kidney stones) located in the calyces of the kidney. The calculi are composed of salts or organic acids or other materials. Kidney stones of varying shapes and locations within the kidney are depicted.

Mounted on base with stand.  
Size: 11x11x21.5 cm - Weight: approx. 100 g

6140.13



Mounted on base with stand.  
Size: 11x11x16 cm  
Weight: 150 g

6180.27

NEW

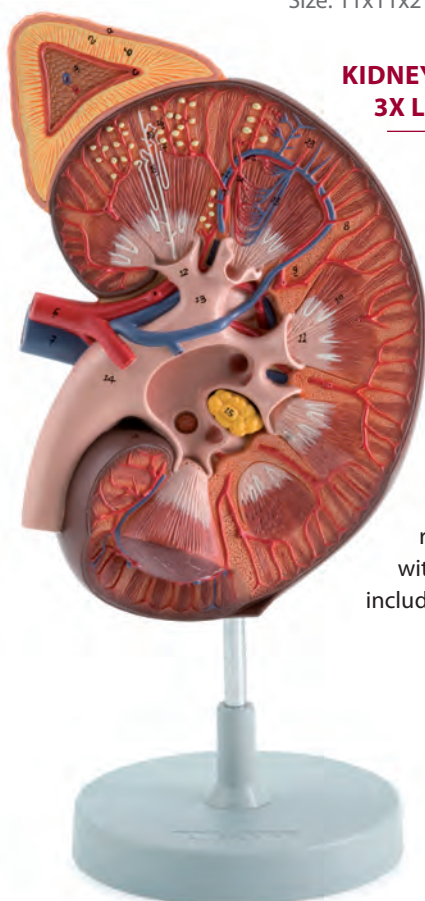
#### KIDNEY WITH ADRENAL GLAND, 3X LIFE SIZE

6140.06

This model shows a frontal section of the human kidney enlarged 3 times. The kidney is shown with the renal capsule. Additional structures include: the cortex, medulla, pyramids with papillae, partially dissected renal pelvis, renal calices, ureter, blood vessels, suprarenal gland with cortex and medulla. A schematic representation of the renal corpuscle with the system of collecting tubules is included.

Mounted on base with stand.  
Size: 15x17x33 cm  
Weight: approx. 1000 g

6140.06



#### DISEASES OF THE URINARY BLADDER AND PROSTATE

6180.27

This life-size model, sectioned along the frontal plane, shows, in the appropriate location, five different pathologies of the male urinary bladder and prostate:

- Bladder stones
- Cystitis
- Diverticulum
- Benign prostatic hypertrophy (BPH)
- Bladder tumour at three different stages.



## HUMAN ANATOMY MODELS

### Urinary System



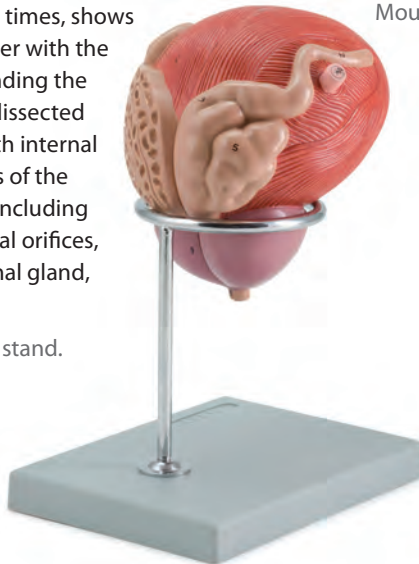
6140.01 ►

#### MALE URINARY BLADDER WITH PROSTATE, 2 PARTS

6140.05

This model, enlarged 3 times, shows the male urinary bladder with the prostate gland surrounding the urethra. The model is dissected medially to expose both internal and external structures of the bladder and prostate, including the ureteric and urethral orifices, ductus deferens, seminal gland, ejaculatory duct.

Mounted on base with stand.  
Size: 20x15x19 cm  
Weight: approx. 700 g

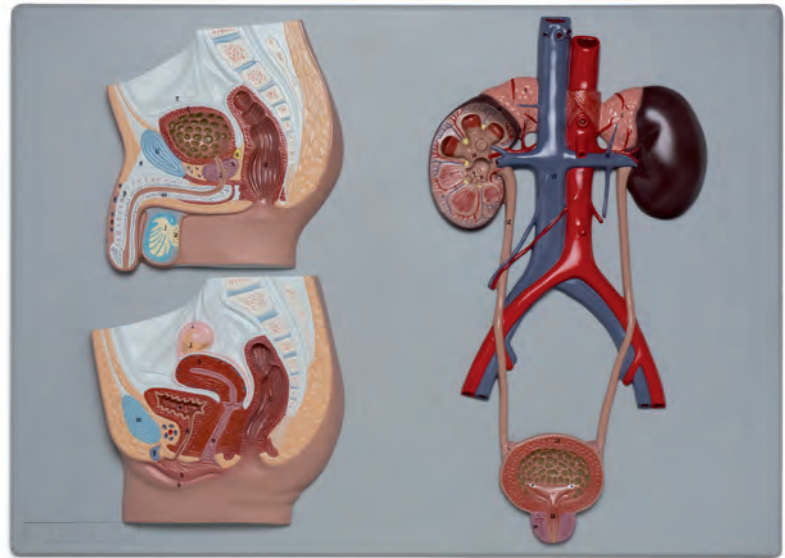


6140.05 ►

#### URINARY SYSTEM, 5 PARTS

6140.12

This life size 5-part model represents the major components of the urinary system, plus the vena cava and abdominal aorta; the right kidney is dissected to show the cortex, medulla, pyramids, calyces, pelvis and origins of the renal artery and vein. The bladder can be opened to reveal the mucosa, trigone, urethra, seminal vesicles, ejaculatory ducts and vas deferens.

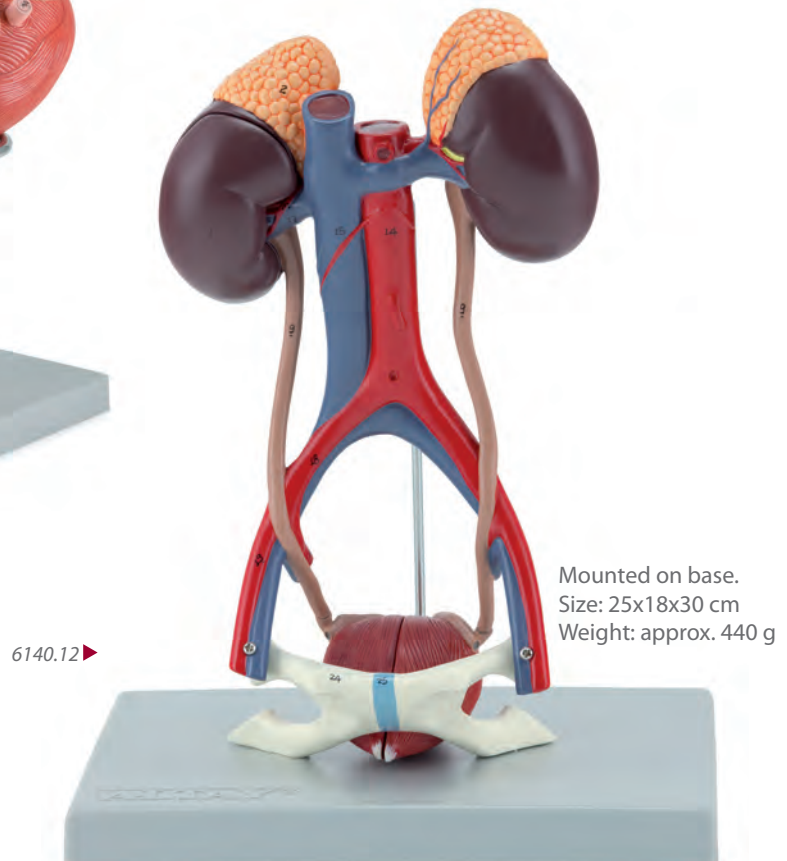


#### MEDIAN SECTION OF MALE AND FEMALE URINARY TRACTS

6140.01

This model features sections of both male and female pelvises, plus the urinary bladder, urethra, the inferior vena cava with tributaries, the abdominal aorta with branches, ureters, the kidneys with adrenal glands, a section showing internal renal structures (cortex, medulla, pyramids with papillae, vessels).

Mounted on board. Size: 53x38x5 cm - Weight: approx. 880 g



6140.12 ►

Mounted on base.  
Size: 25x18x30 cm  
Weight: approx. 440 g



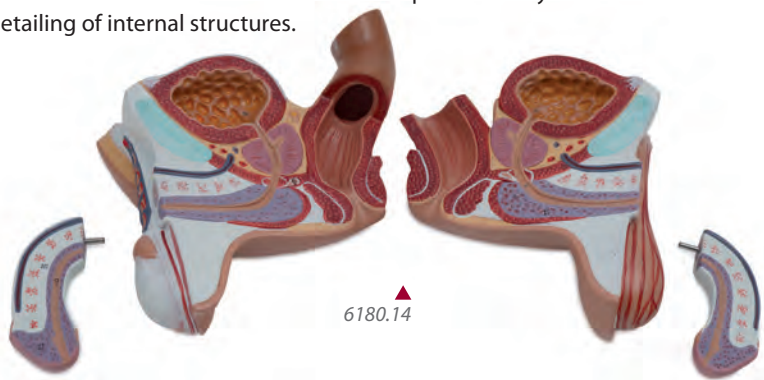
## HUMAN ANATOMY MODELS

### Reproductive System

#### MALE GENITAL ORGAN, 4 PARTS

6180.14

This life size model, composed of 4 parts, is dissected through the median sagittal plane to provide excellent views of external and internal structures. The removable parts include two halves of the penis, showing medial and transverse cuts and 2 halves of the male reproductive system with excellent detailing of internal structures.



6180.14

Size: 18x12x13 cm - Weight: approx. 440 g

#### FEMALE GENITAL ORGANS, 4 PARTS

6180.15

This life size model, composed of 4 parts, is a detailed representation of the female reproductive system as viewed through a median sagittal dissection. Removable parts include a 2-part uterus and 2 halves of the female reproductive apparatus with details of the internal structure.



6180.15

Size: 14.5x11.5x13.5 cm - Weight: approx. 440 g

#### MALE REPRODUCTIVE SYSTEM

6180.10

This model shows, in natural size, all the organs of the male reproductive system. Penis, prostate and urinary bladder are longitudinally sectioned to reveal their inner anatomy; the testicle is partially cut away to expose all the internal structures. The model also includes a detailed cross-section, greatly enlarged, of the testicle: septula testis, rete testis, straight and contorted seminiferous tubules are shown with great accuracy.

Mounted on board.

Size: 40x26x10 cm - Weight: 500 g

NEW

6180.10

#### INTERNAL FEMALE REPRODUCTIVE ORGANS

6180.09

1.5X life size model shows a dissected view of the vagina, cervix, uterus and ovary with follicles at various stages of development.

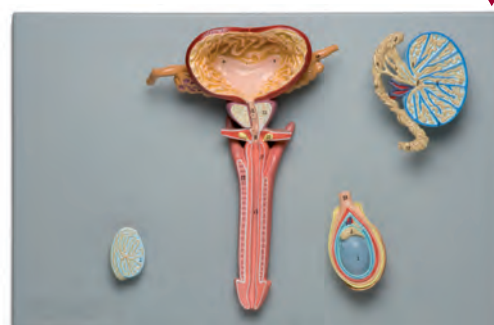
Mounted on base with stand.

Size: 17.5x15x22 cm

Weight: approx. 2200 g

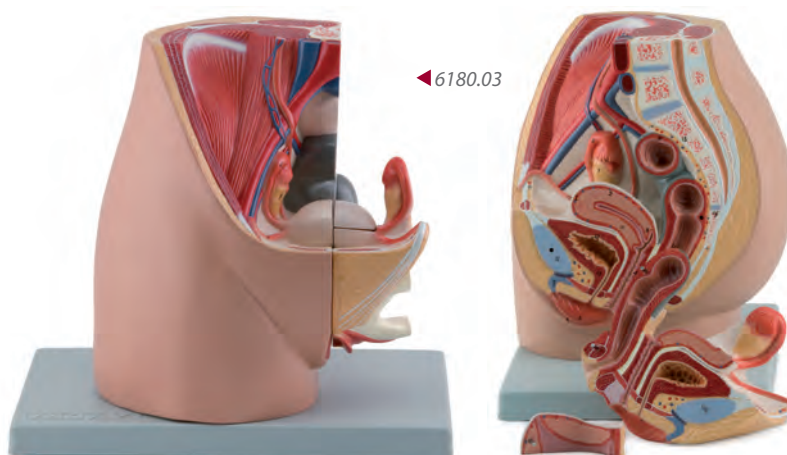


6180.09



## HUMAN ANATOMY MODELS

### Reproductive System



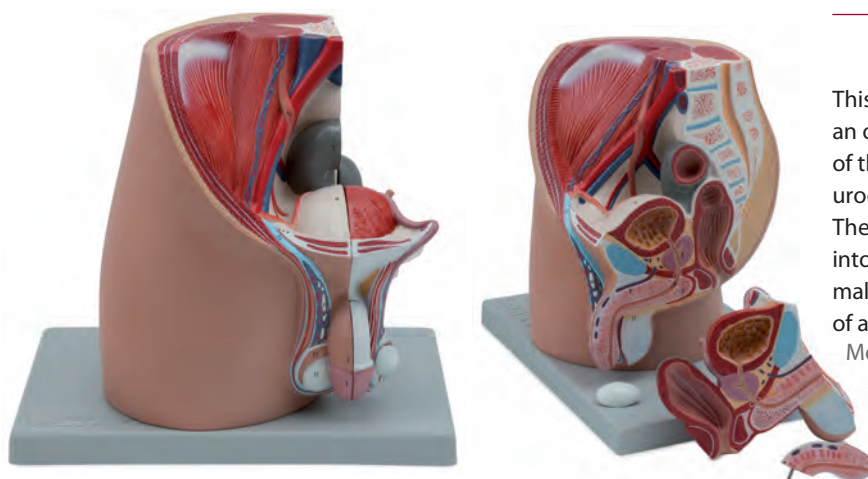
#### FEMALE PELVIS, 3 PARTS

6180.03

This life size model, composed of 3 parts, shows an open dissection through the median sagittal section of the pelvis. Internal structures of the female urogenital system are portrayed in great detail. Removable parts include half of the female reproductive system with the uterus opened to reveal medial and transverse sectional views.

Mounted on base.

Size: 30x20x27.5 cm - Weight: approx. 1670 g



#### MALE PELVIS, 4 PARTS

6180.04

This life size model, composed of 4 parts, presents an open view through a median sagittal section of the pelvis. Internal structures of the male urogenital system are represented in fine detail. The removable parts include a half penis divided into medial and transverse sections, and half of the male reproductive system with an open dissection of a testis showing details of the internal structure.

Mounted on base.

Size: 30x20x27.5 cm

Weight: approx. 1670 g

6180.04

#### FEMALE PELVIS WITH 8-WEEK EMBRYO, 3 PARTS

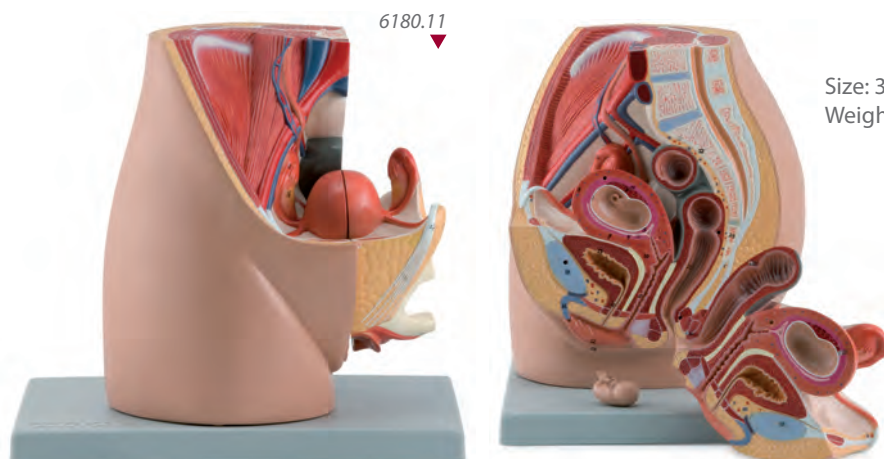
6180.11

This life size model is composed of 3 parts and gives an internal view through the median sagittal section of the pelvis. It shows the internal organs of the female urinary and reproductive systems with an 8-week embryo in utero.

Mounted on base.

Size: 30x22x28 cm

Weight: approx. 1750 g



#### HUMAN EMBRYO, 4<sup>TH</sup> WEEK

6180.24

This model, 50X life size, shows structural details of a human embryo at 4 weeks of development.

Size: 33x20.5x14.5 cm  
Weight: approx. 700 g





## HUMAN ANATOMY MODELS

### Reproductive System

#### PREGNANCY PELVIS WITH MATURE FETUS, 2 PARTS

6180.22

This life size model depicts the female human pelvis in median section with a fetus in the 40th week of pregnancy. The fetus is in the normal position prior to birth, showing the anatomical relationship between various structures of the maternal pelvis and the fetus. Fetus is detachable for closer examination.

Mounted on base.  
Size: 40x26x34cm  
Weight: approx. 3300Kg

6180.22 ►



#### SPERMATOGENESIS

6180.02

This model shows the process of spermatogenesis from spermatid to the mature spermatozoon. Enlarged about 10000 times.

Mounted on board.  
Size: 53x38x6.5 cm - Weight: approx. 320 g



◄ 6180.02



#### FETAL DEVELOPMENT

6180.01

This model shows the process of fetal development from the unfertilized ovum to the 9<sup>th</sup> month of gestation. The model consists of five parts. The first shows the developmental stages: ovulation; fertilization, zygote formation and uterine implantation that take place in ovary, fallopian tube and uterus. The other parts show the fetus at 2 weeks, 8 weeks, 12 weeks and 9 months of development

Mounted on board.  
Size: 40x26x27.5 cm -Weight: approx. 1750 g



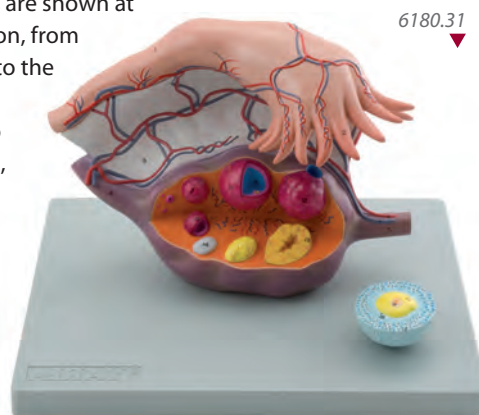
#### OVARY STRUCTURE

6180.31

This 2-part, 5X life-size model shows the anatomy of the human fallopian tube and ovary. The follicles are shown at different stages of maturation, from the primary ovarian follicle to the corpus albicans. A primary follicle is cross-sectioned, to illustrate the inner structure, the oocyte, zona pellucida and granulosa cells.

Mounted on board.  
Size: 33x23x21.5 cm  
Weight: 1100 g

◄ 6180.01



6180.31 ▼

## HUMAN ANATOMY MODELS

### Reproductive System



#### PROSTATE MODEL

6180.32

This four-part model, enlarged to 2X life-size, shows the complete anatomy of the prostate. The basal part of the urinary bladder is also shown and thanks to the longitudinal section, all the different lobes of the prostate can be easily identified.

Mounted on base with stand.

Size: 16.5x13x20 cm

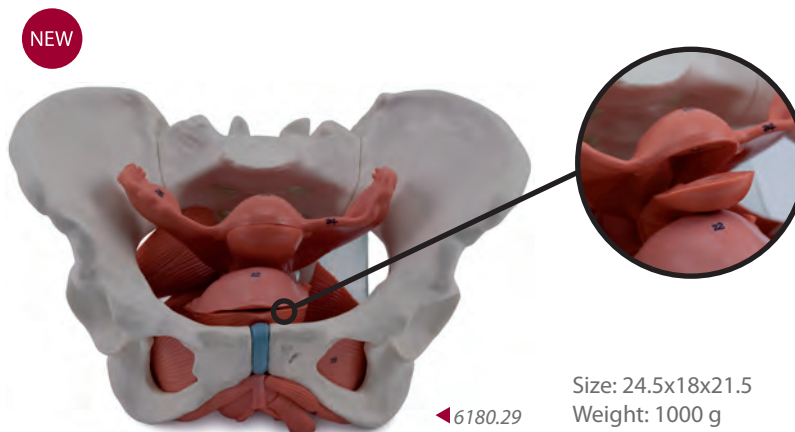
Weight: 1100 g



#### FEMALE PELVIC CAVITY

6180.29

This single-piece life-size model is a very useful tool to study the female pelvic anatomy and to understand the relationship between pelvic bones, muscles and female genital organs. It shows a complete skeleton of a female human pelvis associated with ligaments, muscles, internal and external female urogenital organs. Both the urinary bladder and the uterus can be opened along the longitudinal plane to show their inner anatomy. All the structures are reproduced with great detail and accuracy; the model comes with an accompanying multilingual k-card.



Size: 24.5x18x21.5  
Weight: 1000 g

#### PREGNANCY MODEL SET

6180.28

This model, composed of 9 life-size pieces, illustrates human foetal development from the 4th week to the 6th month. All the main anatomical structures of the uterus and foetus are well represented and identified on the accompanying k-card. Two models of the set show the different position of twins.



▲ Each model is mounted on base with stand  
6180.28 Weight :5135 g - Size: 57x18.5x27



## HUMAN ANATOMY MODELS

### Reproductive System

#### **PATHOLOGICAL MODEL OF THE MALE UROGENITAL SYSTEM**

6180.21



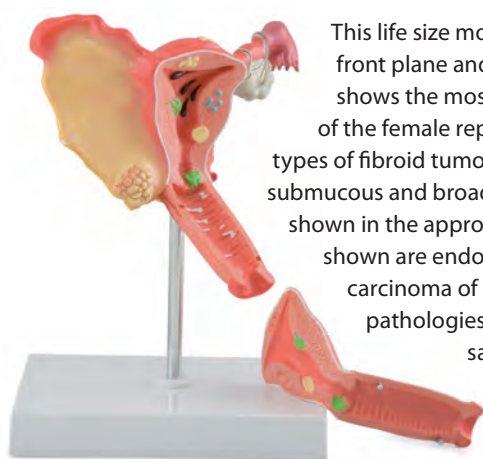
This life size 2-part model shows the internal structure of the urogenital male system with specific pathologies, including gallstones, diverticulum, cancer of the urinary bladder and sexually transmitted diseases such as condyloma acuminatum and gonorrhoea. The model also shows the rectum and anus with mixed haemorrhoids and carcinomas.

Mounted on base with stand.  
Size: 17.5x15x22 cm  
Weight: approx. 250 g



#### **PATHOLOGICAL MODEL OF THE FEMALE GENITAL ORGANS**

6180.20



This life size model, sectioned along the front plane and divided into 2 pieces, shows the most important pathologies of the female reproductive system. Four types of fibroid tumors (intramural, subserous, submucous and broad ligament myoma) are shown in the appropriate locations. Also shown are endometrial carcinoma and carcinoma of the cervix. Additional pathologies include polyps of the uterus, salpingitis, oophorocystosis, endometriosis and candidal vaginitis.

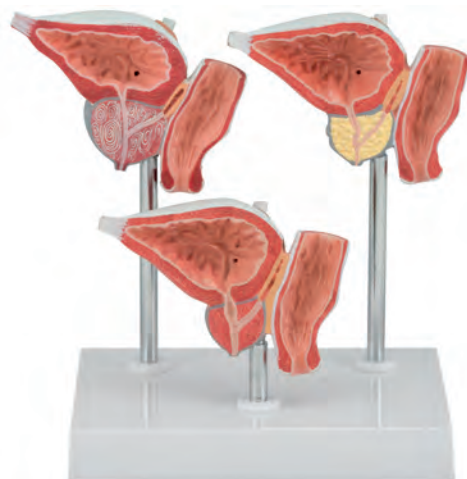
Mounted on base with stand. Size: 17.5x15x22 cm - Weight: approx. 240 g



#### **NORMAL AND DISEASED PROSTATE GLAND**

6180.19

This is an excellent educational tool for studying common prostate pathologies. The model consists of three prostate sections, including the rectum and urinary bladder.



The first model shows the internal and external structures of a normal prostate. The second one illustrates benign prostatic hyperplasia, characterized by variable fibromuscular and epithelial predominance. The third model illustrates prostatic adenocarcinoma. The three models are mounted on base with stand.  
Size: 25.5x18x15 cm  
Weight: approx. 550 g

◀ 6180.19

#### **TESTIS, 3.5X LIFE SIZE**

6180.12

This model shows the medial and sagittal section of the human testis including epididymis, ductus deferens, seminiferous tubules and rete testis.

Mounted on base with stand  
Size: 11x11x20 cm  
Weight: 280 g



6180.12 ▶

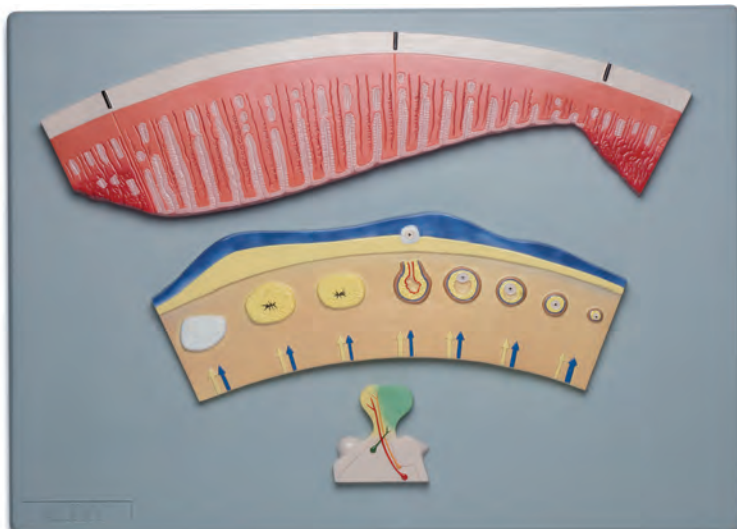
## HUMAN ANATOMY MODELS

### Endocrine System

#### EFFECTS OF DIABETES, 5 PARTS

6070.14

This model shows the effects of diabetes on eye, heart, kidney and foot. The organs can be rotated for a detailed examination.



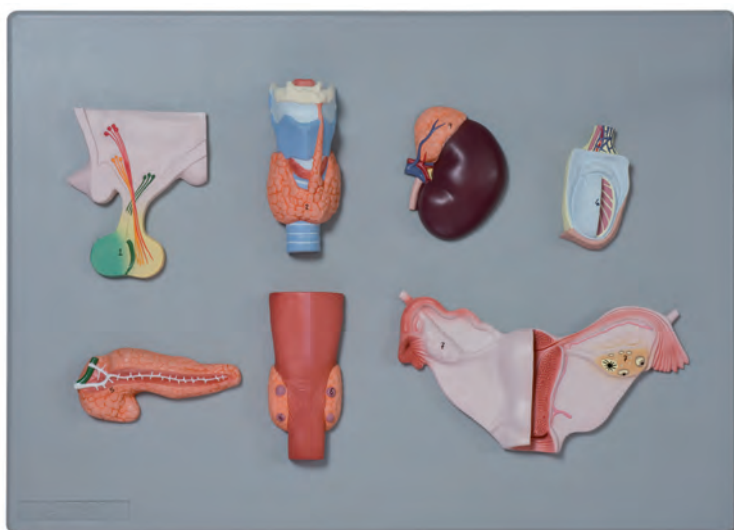
6070.14 ▶  
Mounted on base with stand.  
Size: 12.5x12.5x22.5 cm  
Weight: 160 g

#### PERIODIC CHANGES OF FEMALE HORMONES AND INTERNAL LAYER OF UTERUS

6180.05

This model shows the relationship between female hormone levels and changes in the uterine lining throughout the menstrual cycle.

Mounted on board. Size: 53x38x5 cm - Weight: approx. 700 g



#### ORGANS OF THE ENDOCRINE SYSTEM

6110.01

6110.01

This model shows the external structure of the following human endocrine organs: pituitary gland, thyroid gland, adrenal gland, testis, pancreas, parathyroid gland, ovary.

Mounted on board. Size: 53x38x7 cm - Weight: approx. 600 g

#### THYROID DISEASES, 4 PARTS

6110.06

This model set is composed by 2 thyroid models divided four ways. The first thyroid illustrates the Graves autoimmune disease, the most common cause of hyperthyroidism. The other model shows thyroid adenoma and carcinoma as compared to the normal right side of the thyroid.



6110.06 ▶

Mounted on base with stand.  
Size: 16.5x13x20 cm - Weight: approx. 314 g



## HUMAN ANATOMY MODELS

### Skin

#### **PATHOLOGICAL MODEL OF BURNED SKIN**

6202.05

This model, approx. 30 times enlarged, compares normal skin with first, second and third degree burnt skin, showing also the subsequent pathological changes. The first level of injury shows scarfskin hurt and erythema; the second one includes hypoderma skin hurt and vesicles, the third one reveals a subcutaneous damage.

Mounted on base.  
Size: 16.5x13x11.5 cm  
Weight: 250 g



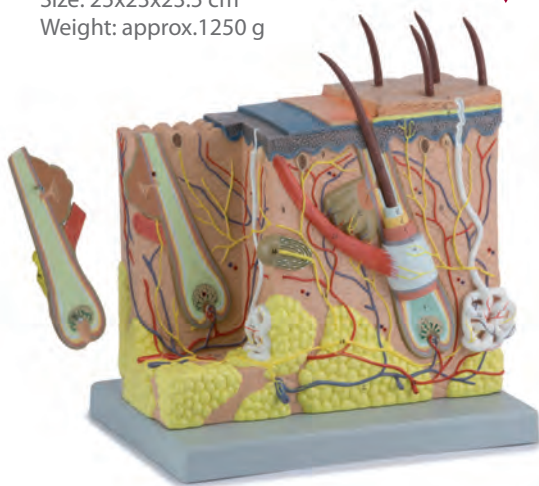
6202.05

#### **SKIN MODEL, 70X LIFE SIZE**

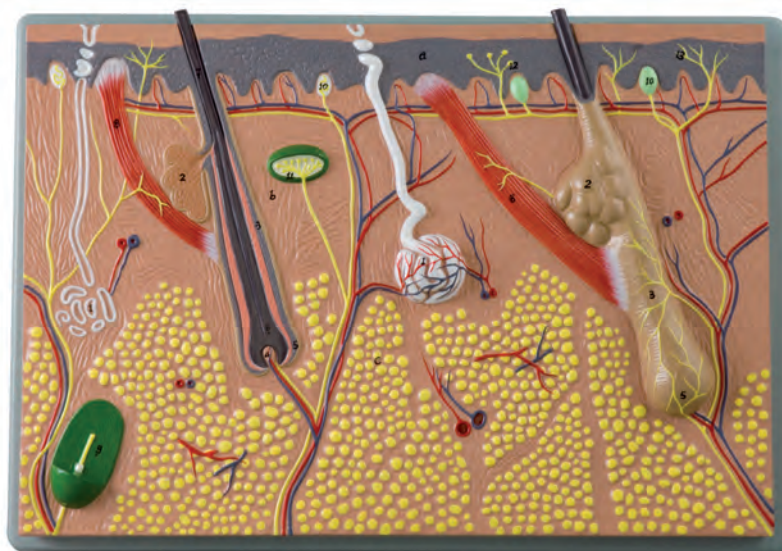
6202.00

This model is composed of 2 parts and shows the structure of the human skin in 3 dimensions. Anatomical structures are shown in detail, including the hair follicles, sebaceous glands, sweat glands, erector muscles, Pacinian corpuscles, nerves and blood vessels. The different layers of the skin are clearly defined. A portion of a hair shaft can be removed to show internal details.

Mounted on base.  
Size: 25x23x23.5 cm  
Weight: approx.1250 g



6202.00



#### **SKINSECTION**

6202.02

6202.02

This 70X relief model shows the main structures through 3 layers of the hairy skin: hair follicles, sebaceous and sweat glands, erector muscles, sensitive corpuscles, nerves and blood vessels are well defined.

Mounted on board. Size: 33.5x23.5x7 cm - Weight: 1000 g

6202.08



#### **HAIRY AND HAIRLESS SKIN MODEL**

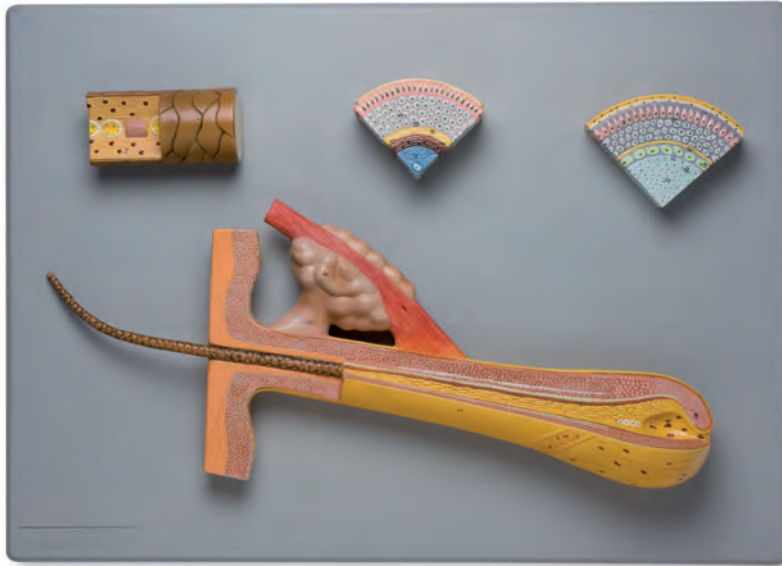
6202.08

This 70X relief model compares a section of hairy skin to one without hair. All structures, including sensitive corpuscles, hair follicles, sebaceous and sweat glands, are shown in great detail.

Mounted on board. Size: 54x39x8 cm Weight: 800 g

## HUMAN ANATOMY MODELS

### Skin



#### HAIR MODEL

6000.41

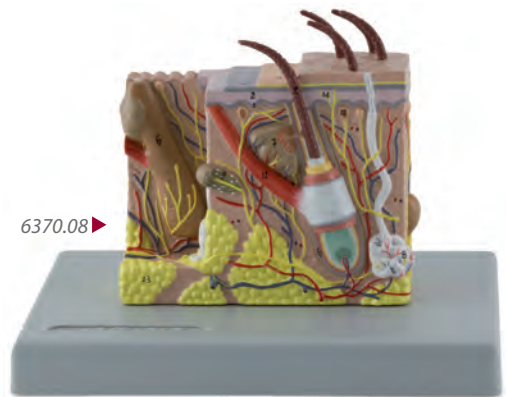
This item is composed of four different models on the same base: the first one is a longitudinal section, 100X life size, of the hair root. The other three models are cross sections, greatly enlarged, of the hair shaft, hair root and hair bulb. The use of unauthentic colours makes it easy to identify all the different layers, such as external and internal root sheath, cuticle and cortex, that make up the hair.

Mounted on board.

Size: 53x38x11 cm - Weight: 950 g

6000.41

NEW



6370.08

#### SKIN MODEL, 35X LIFE SIZE

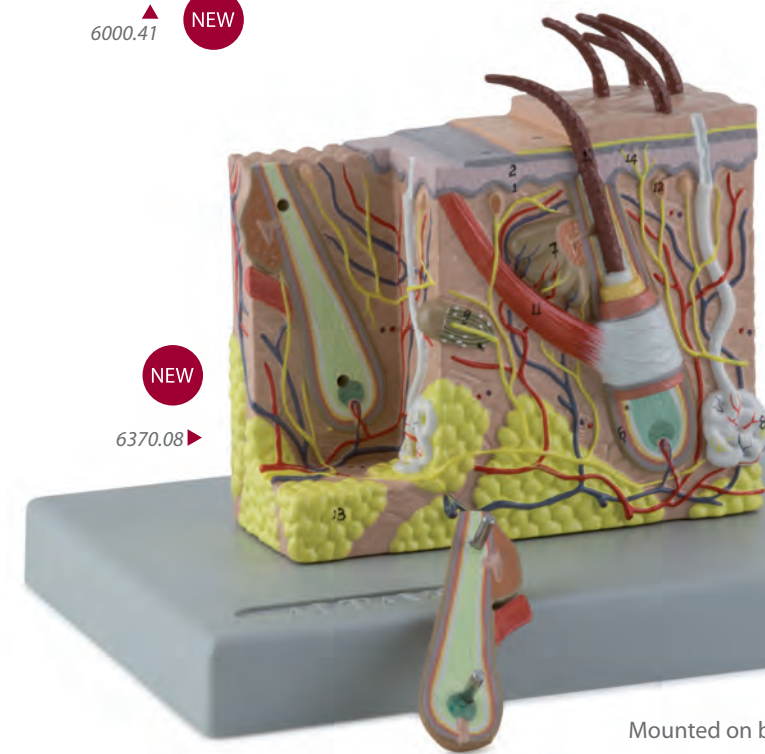
6370.08

This three-dimensional model shows the structure of the human skin. All the skin layers can be easily identified and the main structures, such as hair follicle, sensitive corpuscles, sebaceous and sweat glands, are numbered and referred on the accompanying k-card (included).

Mounted on base. Size: 20x15x15.5 Weight: 1250 g

6370.08

NEW



#### PATHOLOGICAL MODEL OF THE SKIN

6202.03

This model, approximately 30X life size, features, on the one side, detailed and realistic depictions of closed and open acne lesions, 2 primary lesions (papule and macule), 1 deeper lesion, (nodule) and an abrasion. On the other side the model shows cyst, fissure, pustule, ulcer, scale and blister. All the pathologies are showed separately in the model with a realistic representation of their morphology.

Mounted on base. Size: 16.5x13x11 cm - Weight: approx. 360 g

6202.03



## HUMAN ANATOMY MODELS

### Skeletal System

#### HUMAN DISARTICULATED SKELETON, FULL

6042.04

This life size model shows the complete human skeleton with separated bones: skull, axial skeleton, hyoid bone, ribs, sternum with rib cartilage, upper and lower limbs, sacrum and coccyx are represented in high detail. One hand and foot (left) are on wire, the other set is removed.

The skull can be disassembled into 3 parts: skullcap, base of skull and mandible.

Weight: approx. 8000 g

6042.04 ►

#### DUST COVER

6041.00

This grey heavy-plastic cover is a fulllength protection that fits all Altay's hanging human skeleton models and those supplied on 5-caster roller stand. It can be easily opened through side buttons.

6042.06 ▼



#### HUMAN DISARTICULATED SKELETON, HALF

6042.06

This life size model shows a disarticulated human skeleton with one of each bone type: skull, axial skeleton, hyoid bone, ribs, intervertebral discs, sternum with rib cartilage, upper and lower limb, sacrum and coccyx are represented in high detail. The right hand and foot are on wire.

The skull can be disassembled into 3 parts: skullcap, base of skull and mandible.

Weight: approx. 4000 g

## HUMAN ANATOMY MODELS

### Skeletal System

#### HUMAN MUSCULAR SKELETON

6041.03

This model is a replica of a life size human skeleton and shows all the skeleton parts in high details. It's hand-assembled to provide intricate details and long-lasting durability. The main joints are articulated; the upper and lower limbs can be removed easily.

**The following parts are detachable:**

- Calvarium, Jaw, Legs, Skull, Arms

The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles.

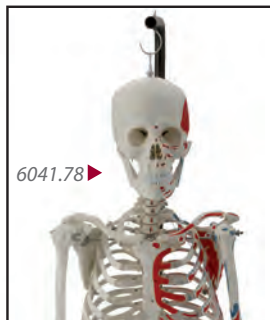
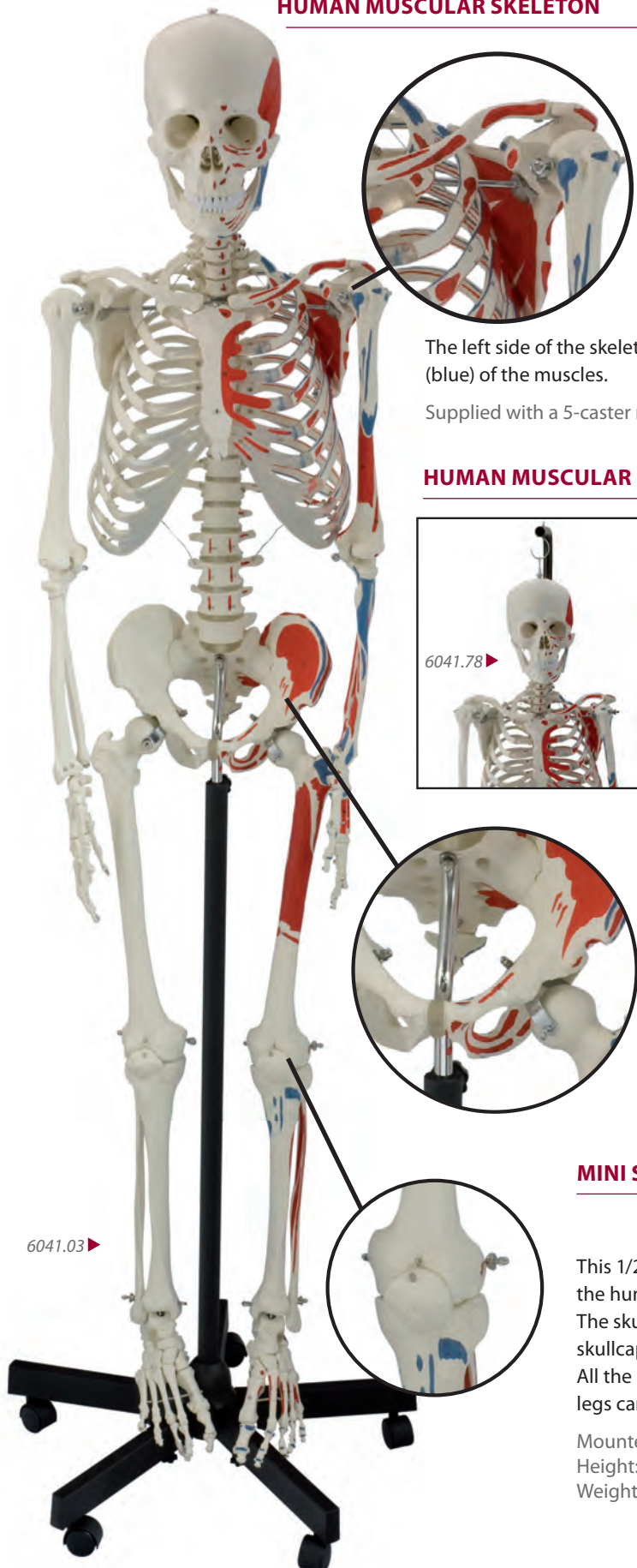
Supplied with a 5-caster roller stand. Height: 170 cm - Weight: approx 1000 g

#### HUMAN MUSCULAR SKELETON, (HANGING)

6041.78

Same features as 6041.03 but with an hanging stand.

Supplied with a 5-caster hanging stand. Height: 180 cm - Weight: approx. 1000 g



◀ 6041.84

#### MINI SKELETON

6041.84

This 1/2 life size model shows the anatomy of the human skeleton in high detail. The skull can be disassembled into 3 parts: skullcap, base of skull and mandible. All the main joints are articulated. Arms and legs can be removed easily.

Mounted on a stand for hanging  
Height: 25x25x95 cm  
Weight: 1500 g





## HUMAN ANATOMY MODELS

### Skeletal System

#### HUMAN SKELETON

6041.02

This model is a replica of a life size human skeleton and shows all the skeleton parts in high details.

It's hand-assembled to provide intricate details and long-lasting durability. The main joints are articulated; the upper and lower limbs can be removed easily.

**The following parts are detachable:**

- Calvarium, Jaw, Legs, Skull, Arms

Supplied with a 5-caster roller stand.

Height: 170 cm - Weight: approx. 1000 g

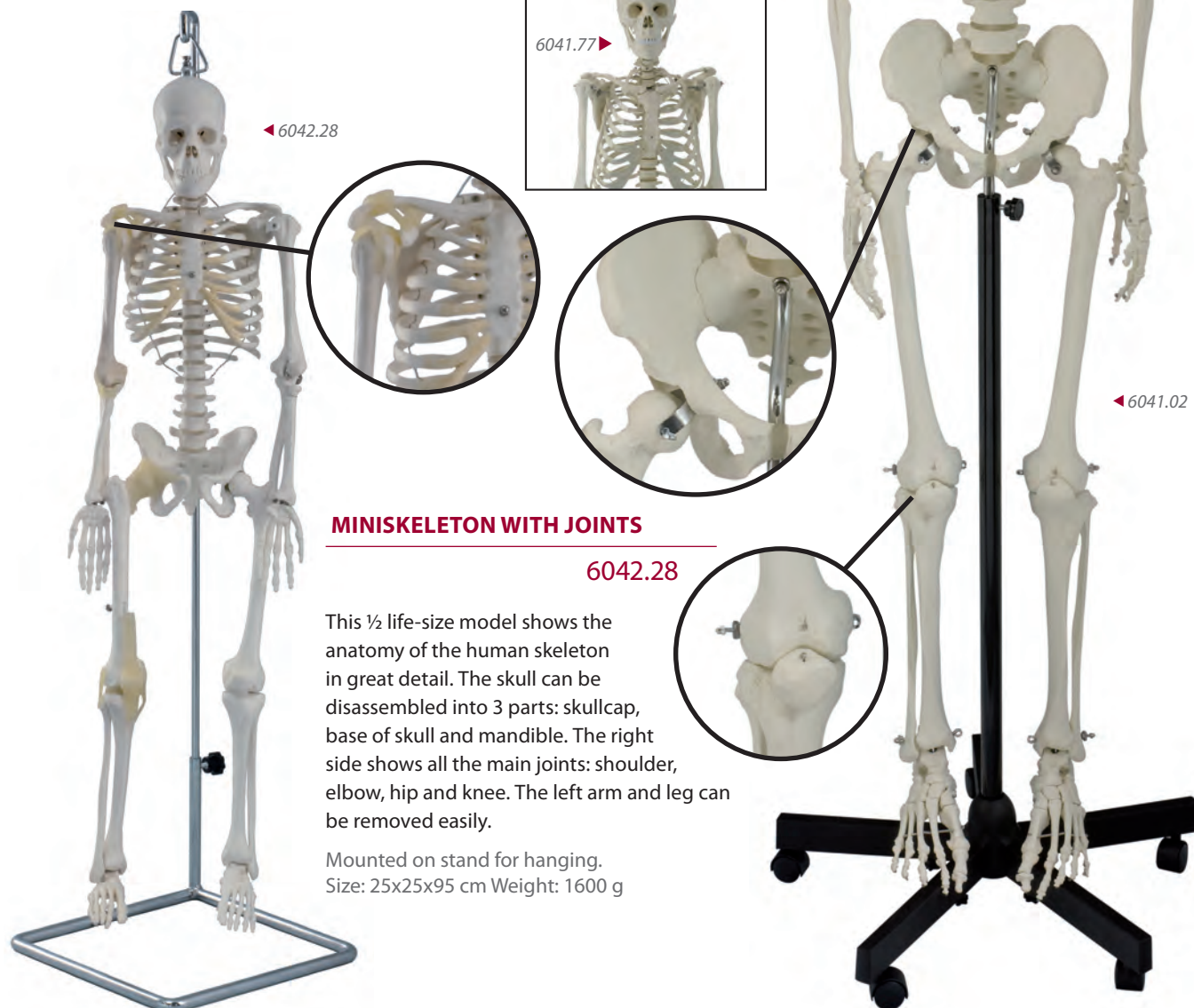
#### HUMAN SKELETON, (HANGING)

6041.77

Same features as 6041.02 but with an hanging stand.

Supplied with a 5-caster hanging stand.

Height: 180 cm - Weight: approx. 1000 g



## HUMAN ANATOMY MODELS

### Skeletal System

#### FLEXIBLE VERTEBRAL COLUMN WITH FEMUR HEADS

6041.07

A fully flexible life size vertebral column consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, removable femur heads. The model also features representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc.

Mounted on a stand for hanging

Size: 24.5x18x89 cm - Weight: approx. 3000 g

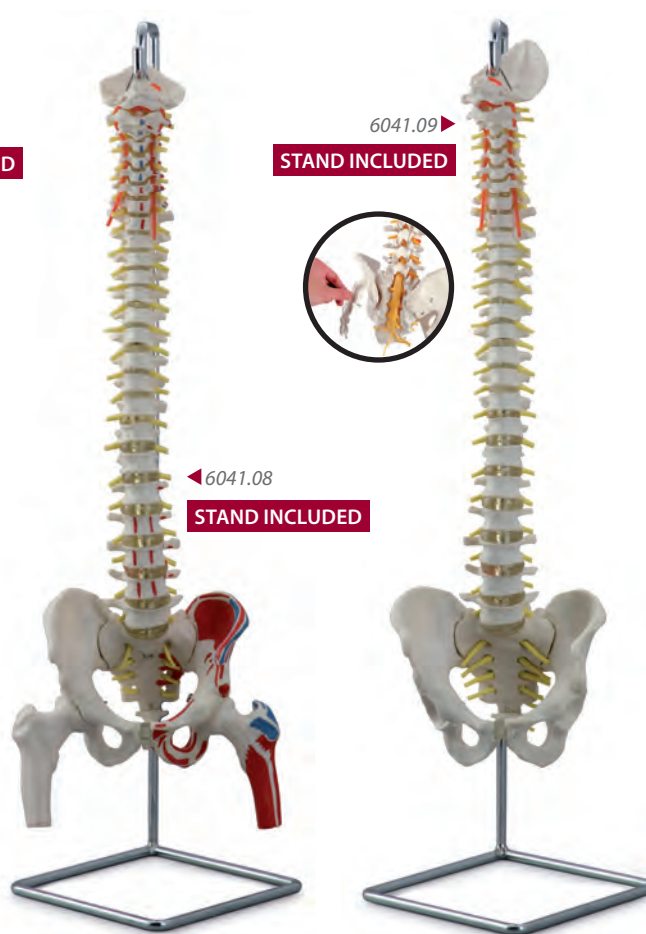


#### FLEXIBLE VERTEBRAL COLUMN WITH FEMUR HEADS AND MUSCLE INSERTIONS

6041.08

A fully flexible life size vertebral column including the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, removable femur heads. The model also features representations of the vertebral arteries, spinal nerve branches and prolapsed L3-L4 intervertebral disc. The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles.

Mounted on a stand for hanging Size: 24.5x18x90 cm - Weight: approx. 3000 g



#### FLEXIBLE VERTEBRAL COLUMN

6041.06

A fully flexible life size vertebral column consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx and complete pelvis. Features include representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc.

Mounted on a stand for hanging

Size: 24.5x18x80 cm

Weight: approx. 3000 g



#### FLEXIBLE VERTEBRAL COLUMN WITH REMOVABLE SACRAL CREST

6041.09

A fully flexible life size vertebral column consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx and complete pelvis. Features include representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc. The sacral crest and the coccyx are removable to show the sacral portion of the spinal cord.

Mounted on a stand for hanging - Size: 24.5x18x80 cm - Weight: approx. 3000 g





## HUMAN ANATOMY MODELS

### Skeletal System

#### FLEXIBLE VERTEBRAL COLUMN WITH FEMUR HEADS, MUSCLE INSERTIONS, REMOVABLE SACRAL CREST

6041.90

A fully flexible life size vertebral column including the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis, and removable femur heads. The model also features representations of the vertebral arteries, spinal nerve branches and prolapsed L3-L4 intervertebral disc. The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles. The sacral crest and coccyx are removable to show the sacral section of the spinal cord and associated nerve branches.

Mounted on a stand for hanging. Size: 24.5X18X89 cm - Weight: approx. 4000 g



#### FLEXIBLE VERTEBRAL COLUMN WITH OPEN SACRUM AND FEMUR HEADS

6041.10

A fully flexible life size vertebral column consisting of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with articulated, removable femur heads.

Additional features include representations of the vertebral arteries, spinal nerve branches, and a prolapsed L3-L4 intervertebral disc. The sacral crest and coccyx are removable to show the sacral section of the spinal cord and associated nerve branches.

Mounted on a stand for hanging. Size: 24.5X18X90 cm - Weight: approx. 3000 g

#### FLEXIBLE SPINAL COLUMN WITH COLOUR CODED REGIONS

6041.95

A fully flexible life size vertebral column including the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx and complete pelvis. Included are the vertebral arteries, spinal nerves and a prolapsed L3-L4 intervertebral disc. The various regions of the spinal column are color coded for ease of identification.

Mounted on a stand for hanging.

Size: 24.5X18X80 cm - Weight: approx. 970 g



#### SKELETON OF HUMAN TRUNK

6041.83

A fully flexible life size plastic human trunk skeleton consisting of the following features: complete pelvis including the ischium, ilium and pubis, sacrum, coccyx and the symphysis, complete spinal column with ribs and sternum associated structures, occipital plate, clavicle and scapula.

Mounted on a stand for hanging

Size: 24.5X18X80 cm - Weight: approx. 4000 g

## HUMAN ANATOMY MODELS

### Skeletal System

#### BONES STRUCTURE

6041.04

This model is composed of 4 parts and shows different structures of the human bones. The external structure of the femur with periosteum, blood vessels, spongy bone, compact bone and haversian system.

Mounted on board.

Size: 53x38x8 cm - Weight: approx. 1250 g



6041.04



6041.21

#### SKELETON OF LOWER LIMB WITH HALF PELVIS

6041.41

An articulated life size plastic skeleton of the lower limb with half pelvis, including the entire hip joint.

Size: 54x20x14cm - Weight: approx. 2000 g

6041.41



#### BONES OF THE HAND AND FOREARM

6041.21

A life size plastic skeleton of the hand with forearm bones (radius and ulna). All the joints are articulated.

Length: 12x11x36 cm - Weight: approx. 300 g

#### MODEL OF PELVIS WITH 4<sup>TH</sup> AND 5<sup>TH</sup> LUMBAR VERTEBRAE

6041.91

A complete life size plastic skeleton of a human male pelvis consisting of the pelvic bones (ischium, ilium and pubis), sacrum, coccyx and symphysis.

Size: 25x18x21.5 cm - Weight: approx. 1000 g



6041.91



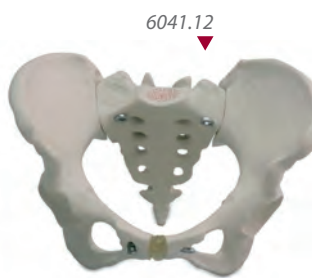
6041.92

#### FEMALE SKELETAL PELVIS

6041.12

A complete life size skeleton of a female human pelvis consisting of the pelvic bones (ischium, ilium and pubis), sacrum, coccyx and the symphysis.

Size: 24.5x18x21.5 cm - Weight: approx. 1100 g



6041.12



6041.13

#### MODEL OF PELVIS WITH 4<sup>TH</sup> AND 5<sup>TH</sup> LUMBAR VERTEBRAE WITH FEMUR HEADS

6041.92

This life size model consists of the pelvic bones with femur heads, sacrum, coccyx and fourth and fifth lumbar vertebrae with intervertebral discs.

Size: 26x18x27 cm - Weight: approx. 1770 g

#### MALE SKELETAL PELVIS

6041.13

A complete life size plastic skeleton of a human male pelvis consisting of the pelvic bones (ischium, ilium and pubis), sacrum, coccyx and symphysis.

Size: 24.5x18x21.5 cm - Weight: approx. 1100 g



## HUMAN ANATOMY MODELS

### Skeletal System

#### BONES OF THE FOOT

6041.40

A life size skeleton of the human foot with articulated joints. Natural movements of the foot can be demonstrated easily and effectively.

Size: 20x13x12cm - Weight: approx. 330 g



▲ 6041.40

#### HAND BONES

6041.20

A life size plastic skeleton of the human hand with articulated joints.

Size: 12x11x31 cm - Weight: approx. 110 g



▼ 6041.20

#### SACRUM WITH COCCYX

6041.14



A life size model of the sacral vertebrae with the coccyx.

Size: 12x12x12 cm  
Weight: approx. 300 g

◀ 6041.14

#### COLOURED SKULL, 3 PARTS

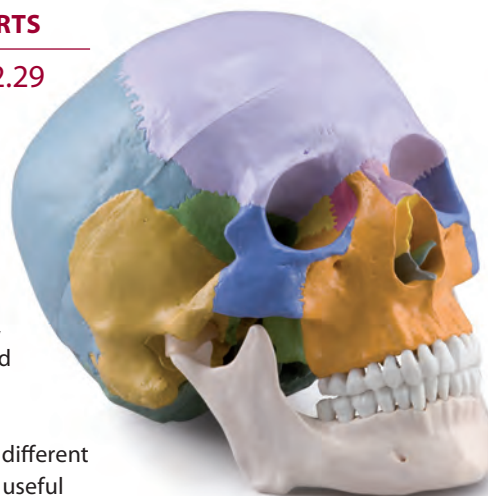
6042.29

This life size model is a detailed reproduction of the human skull.

The skullcap is removable to show internal details; the mandible is articulated and removable. All the joints, sutures, fissures, foramina and processes are portrayed with utmost accuracy.

All the bones are depicted in different colours, making this model a useful tool to study the correct position and the relationship of all the structures.

Size: 19.5x17x21.5 cm - Weight: approx 950 g



▲ 6042.29

#### HUMAN MUSCULAR SKULL, 3 PARTS

6041.55

This life-size model reproduces the human skull in great detail. All the most important anatomical structures are numbered; the left side of the skull shows the points of origin (red) and the points of insertion (blue) of the muscles. It can be disassembled into three parts: skullcap, base of skull and mandible.

Size: 18x17x21 cm

Weight: 875 g



▲ 6041.55

#### MINI SKULL

6041.97

This model, 1/2 adult natural size, depicts all structural details of the human skull: it can be disassembled into 3 parts: skullcap, base of skull and mandible.

Size: 11x11x16.5 cm

Weight: 150 g



▶ 6041.97

## HUMAN ANATOMY MODELS

### Skeletal System



#### HUMAN SKULL, 3 PARTS (NUMBERED)

6041.79

A detailed reproduction of a life size human skull with all structural details. The skullcap is removable to show internal details. The mandible is articulated and removable. All of the joints, sutures, fissure, foramina and processes are portrayed with utmost accuracy. Significant structures are numbered.

Size: 18X17X21 cm - Weight: approx. 950 g

#### HUMAN SKULL, 3 PARTS

6041.50

A detailed reproduction of a life size human skull with all structural details. The skullcap is removable to show the internal structure of the skull. The mandible is articulated and removable. All of the joints, sutures, foramina and processes are portrayed with utmost accuracy.

Size: 18x17x21 cm - Weight approx. 950 g

#### SKULL WITH BLOOD VESSELS, 3 PARTS

6042.31

A detailed reproduction of a life size human skull with all structural details. The skullcap is removable to show the pathway of the meningeal vessels and venous sinuses. The mandible is articulated and removable. All joints, sutures, fissure, foramina and processes are depicted with the utmost accuracy.



6042.26



6042.31  
Size: 19.5x17x21.5 cm  
Weight: approx. 950 g

#### BABY SKULL

6042.26

This model represents a human foetal skull in the 30th week of pregnancy.

Size: 11x11x20cm - Weight: 340 g



## HUMAN ANATOMY MODELS

### Skeletal System



#### KNEE JOINTS SET

6042.01

This 1/2 life size model compares the normal knee joint with 3 different stages of ischemic pathology, from the osteoporosis and atrophy to the joint degeneration arthritis.

Mounted on base  
Size: 16.5x13x14.5 cm - Weight: 380 g



#### MINIATURE JOINTS

6042.27

This set model is composed of 4 pieces showing the most important joints of the human body: hip, elbow, shoulder and knee joint are well represented. Each piece is 1/2 life size.

Mounted on base  
Size (each model): 12x12x15 cm - Weight (each model): approx 150 g

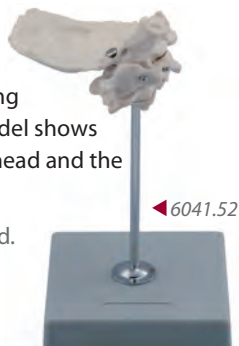


#### ATLAS, AXIS AND OCCIPITAL BONE

6041.52

A detailed, life size reproduction of the atlas and axis vertebrae, including the occipital bone. The model shows the pivoting action of the head and the articulation with the skull.

Mounted on base with stand.  
Size: 12x12x20 cm  
Weight: approx. 200 g

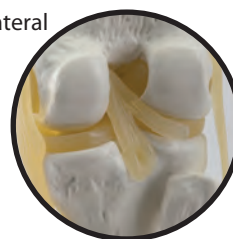


#### KNEE JOINT

6041.81

This life size model represents a functional model of knee joint with lateral ligaments, meniscus and patellar ligament.

Mounted on base.  
Size: 12x12x32 cm  
Weight: approx. 440 g



#### HYOID BONE

6041.56

This life model shows the human hyoid bone.

Mounted on base with stand.  
Size: 7x6x8.5 cm  
Weight: 40 g



#### SHOULDER JOINT

6041.30

This life size model shows the shoulder joint with ligaments.

Mounted on base with stand. Size: 20x15x25 cm - Weight: approx. 560 g

#### ELBOW JOINT

6042.30

This single-piece life-size model is a realistic representation of the human elbow with ligaments.



Mounted on base.  
Size: 13x13x23 cm  
Weight: 80 g

#### HIP JOINT

6042.03

This single-piece life-size model illustrates the right hip joint with ligaments

Mounted on base.  
Size: 20x15x25.5 cm  
Weight: 350 g



## HUMAN ANATOMY MODELS

### Skeletal System

#### THORACIC SPINAL COLUMN

6041.86



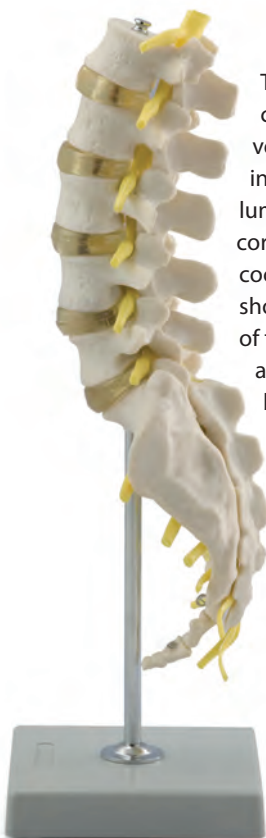
This life size model shows the thoracic spinal column. It consists of 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord.

Mounted on base with stand.  
Size: 11x11x 34 cm  
Weight: approx. 600 g

◀ 6041.86

#### LUMBAR SPINAL COLUMN WITH SACRAL AND COCCYX BONES

6041.87



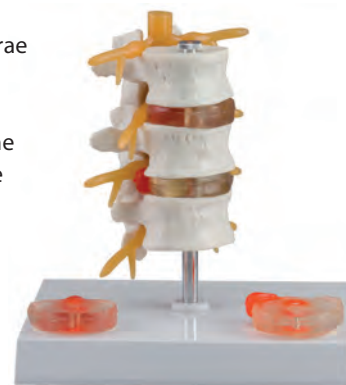
This life size model consists of 5 lumbar vertebrae with intervertebral discs, lumbar nerves and spinal cord. The sacral crest and coccyx are removable to show the sacral segment of the spinal cord and associated nerve branches.

Mounted on base with stand.  
Size: 11x11x37 cm  
Weight: approx. 800 g

◀ 6041.87

#### 3 LUMBAR VERTEBRAE WITH HERNIA AND PROLAPSED INTERVERTEBRAL DISC

6042.34



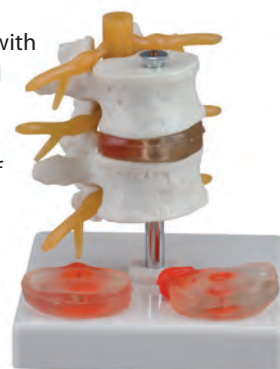
This life size model shows 3 lumbar vertebrae with spinal nerves, dura mater and 2 intervertebral discs affected by lateral and medial hernia. You can see in high detail the 2 pathological intervertebral discs with the correct position of the 2 types of hernia.

Mounted on base with stand  
Size: 17.5X14X18 cm  
Weight: approx. 400 g

6042.34 ▶

#### 2 LUMBAR VERTEBRAE WITH HERNIA AND PROLAPSED INTERVERTEBRAL DISC

6042.35



This life size model shows 2 lumbar vertebrae with spinal nerves, dura mater and an intervertebral disc affected by medial hernia. On the base you can see in high detail 2 pathological intervertebral discs with the correct position of medial and lateral hernia.

Mounted on base with stand  
Size: 17.5x14x18 cm - Weight: approx. 280 g

6042.35 ▶

#### CERVICAL SPINAL COLUMN

6041.85

This life size model of the cervical spinal column consists of 7 cervical vertebrae with intervertebral discs, occipital plate, cervical nerves, vertebral arteries, spinal cord and brain stem.

Mounted on base with stand.  
Size: 16x11x22 cm  
Weight: approx. 350 g

◀ 6041.85

#### ADVANCED OSTEOPOROSIS MODEL

6041.80

This life size model shows three vertebrae: one healthy vertebra, one vertebra with pathological changes at first stage, one vertebra with pathological changes at advance stage.

Mounted on base with stand.  
Size: 11x11x15 cm  
Weight: approx. 220 g

6041.80 ▶





## HUMAN ANATOMY MODELS

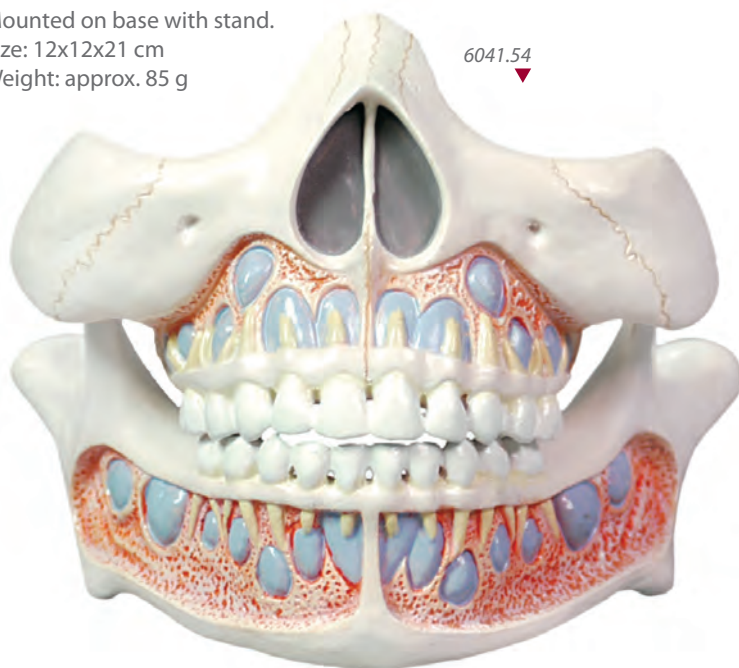
### Teeth

#### DECIDUOUS TEETH MODEL

6041.54

This life size model shows the upper and lower jaw of a 5 year old child. The lower jaw is movable to reproduce the natural chew. The model exposes the arrangement of the young teeth.

Mounted on base with stand.  
Size: 12x12x21 cm  
Weight: approx. 85 g



6041.71 ▶



#### DENTAL PATHOLOGY MODEL

6041.71

This 4X life size model shows the process of dental caries in its progressive stages. The tissues forming the tooth (enamel, dentine and pulp) are shown, along with the way in which they are affected by the caries process.

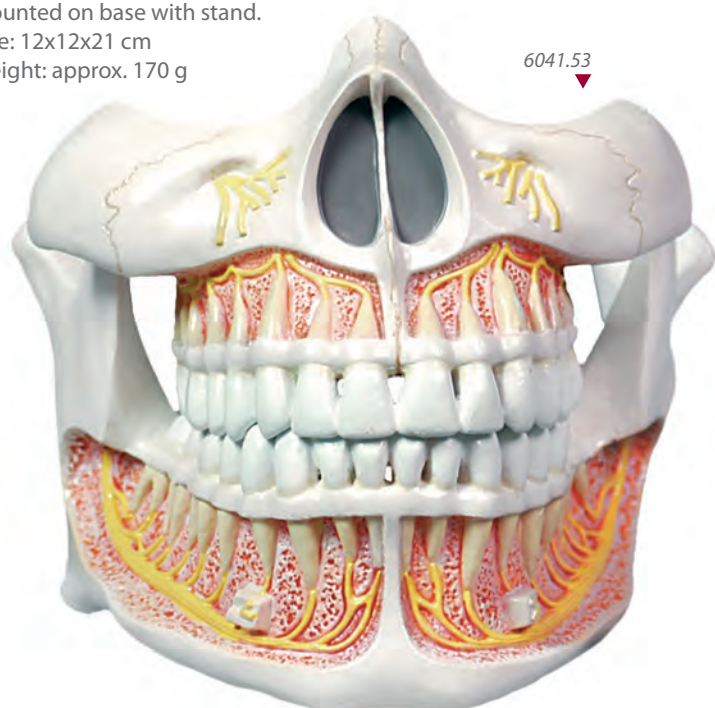
Size: 6x4.5x11 cm - Weight: approx. 100 g

#### PERMANENT TEETH MODEL

6041.53

This life size model shows the upper and lower jaw of an adult. The lower jaw is movable to reproduce the natural chew. The model exposes the complete set of permanent teeth with roots and nerves fibres.

Mounted on base with stand.  
Size: 12x12x21 cm  
Weight: approx. 170 g



6041.53 ▼

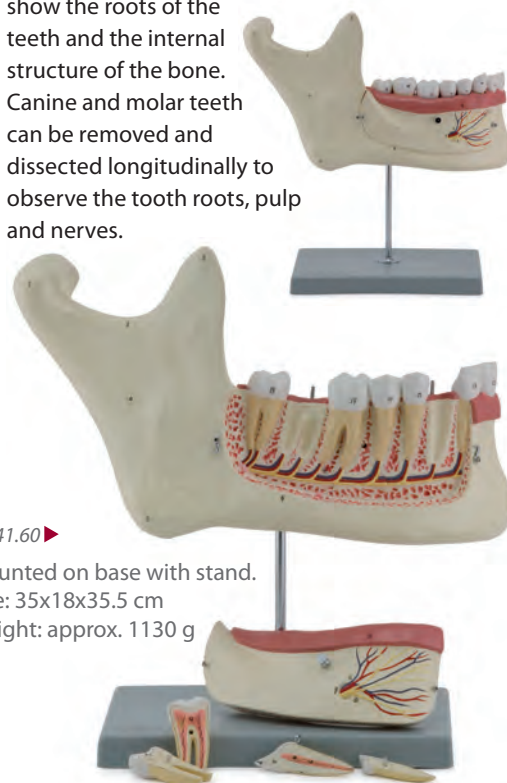
#### LOWER JAW, 6 PARTS

6041.60

This 3X life size model is divisible into 6 parts to show all the characteristics of an adult half mandible. A portion of the jaw can be removed to show the roots of the teeth and the internal structure of the bone. Canine and molar teeth can be removed and dissected longitudinally to observe the tooth roots, pulp and nerves.

6041.60 ▶

Mounted on base with stand.  
Size: 35x18x35.5 cm  
Weight: approx. 1130 g



## HUMAN ANATOMY MODELS

### Teeth

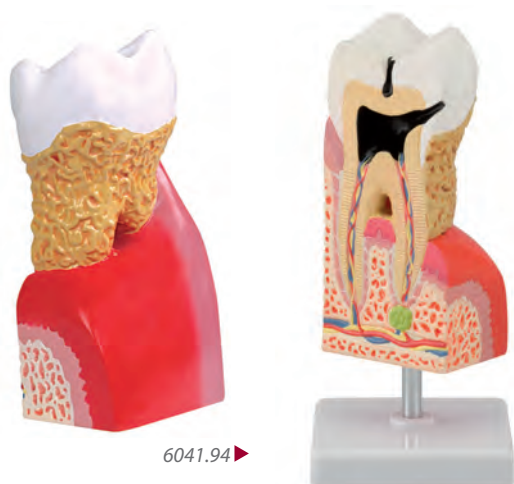
#### LOWER MOLAR WITH CARIES

6041.94

This 1-piece model is approximately 10X life size; it shows the most important dental pathologies, including dental caries, pulpitis, gingivitis and periapical periodontitis.

Mounted on base with stand.

Size: 11x11x20 cm - Weight: approx. 250 g



#### DECIDUOUS TEETH

6042.33

This 10-piece model is a useful tool to study the morphology of primary tooth types (incisors, canines and molars). Enlarged to 10X life-size.

Mounted on base. Size: 53x38x15 - Weight: 1400 g

6042.33

NEW

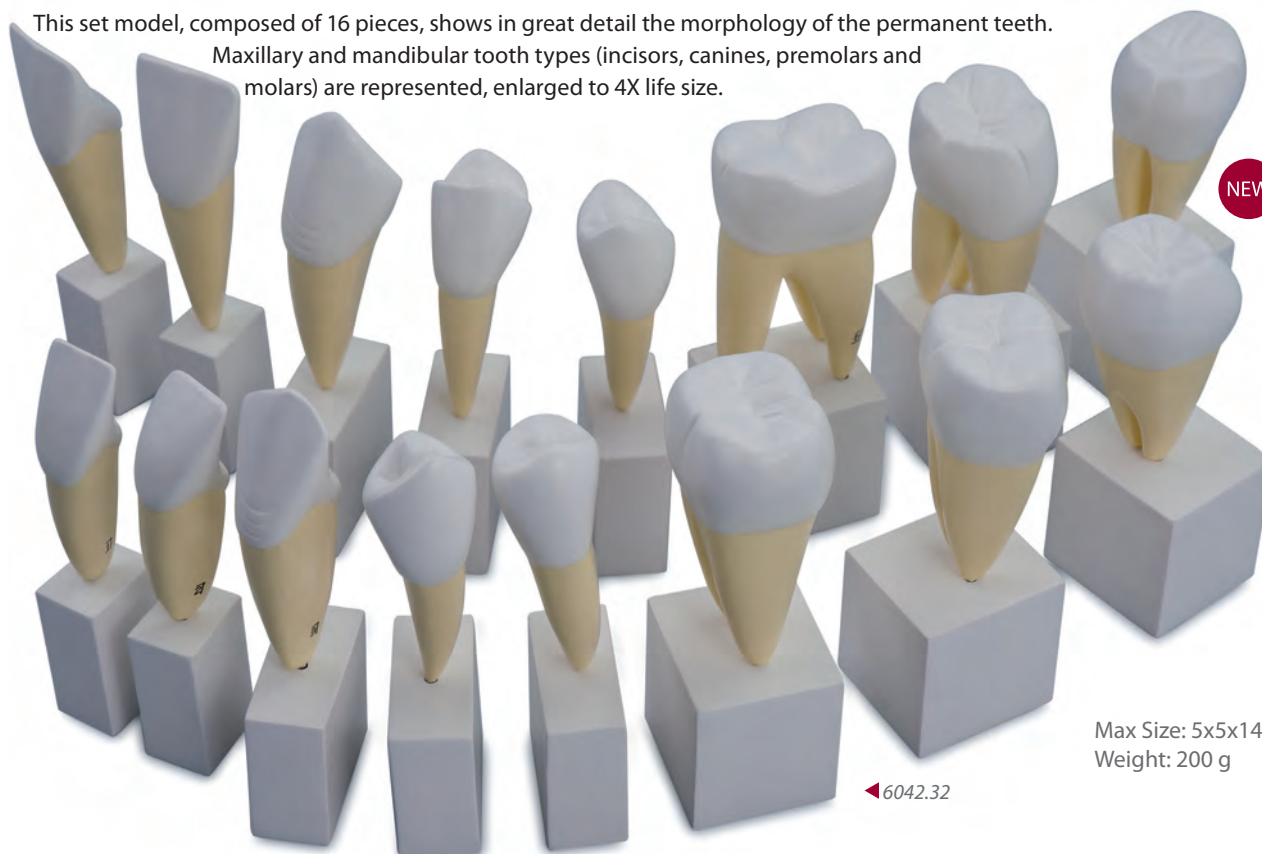


#### PERMANENT TEETH

6042.32

This set model, composed of 16 pieces, shows in great detail the morphology of the permanent teeth.

Maxillary and mandibular tooth types (incisors, canines, premolars and molars) are represented, enlarged to 4X life size.



NEW

Max Size: 5x5x14,5 cm  
Weight: 200 g

6042.32



## HUMAN ANATOMY MODELS

### Teeth



#### DENTAL CARIES MODEL

6041.70

This model, composed of 7 parts, is 4X life size. It consists of 3 teeth, seated in their sockets, that shows the progressive deterioration of tooth structure by dental caries. The first tooth shows the caries in the enamel. In the second tooth, the caries invades the dentine. In the third tooth, the pathology affects the pulp, jeopardizing the vitality of the tooth.

Size: 12x6.5x8 cm - Weight: approx. 300 g



#### INCISOR, CANINE AND MOLAR

6041.82

5-part model includes representations (10X life size) of human incisor, canine and molar teeth. The canine and molar can be divided into 2 parts each, showing internal features (dentine, enamel, cement and pulp).

Overall Size: 33x20.5x14.5 cm - Weight: approx. 700 g



#### ORAL HYGIENE MODEL

6041.05

A3x life size model that is useful for teaching the correct way to brush teeth. A giant toothbrush is included.



Mounted on base.

Size: 23x20x16 cm - Weight: approx. 1000 g

#### DENTAL HYGIENE MODEL

6041.93

This life size model shows the upper and lower dentition of an adult human. Valuable aid for teaching proper oral hygiene procedures.

Size: 8x8x7 cm - Weight: approx. 226 g



## HUMAN ANATOMY MODELS

### Extremities

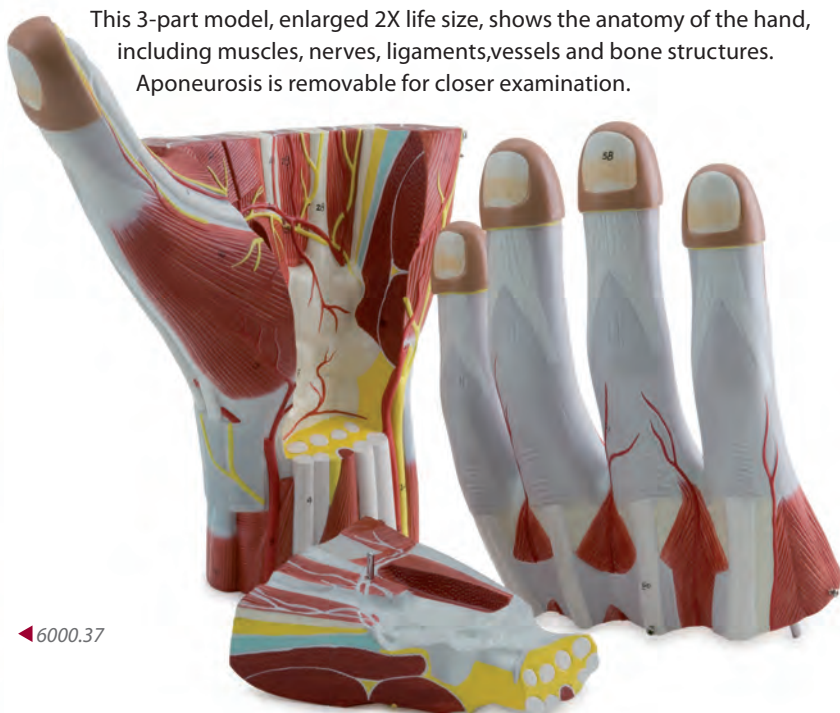
#### ANATOMY OF THE HAND, 3 PARTS

6000.37

This 3-part model, enlarged 2X life size, shows the anatomy of the hand, including muscles, nerves, ligaments, vessels and bone structures. Aponeurosis is removable for closer examination.



Size: 28x8x40 cm  
Weight: approx. 965 g



◀ 6000.37

#### REGIONAL ANATOMY OF THE HAND, 7 PARTS

6000.38

This life-size model shows the anatomy of the hand with great accuracy and detail; the superficial layers can be removed at different levels to expose the inner structures. Muscles, blood vessels, nerves, tendons, ligaments and bones are well represented.

Size: 13x11x33 cm - Weight: 330 g

#### MUSCLES OF HAND, 4 PARTS

6000.08

This life size model is composed of 4 parts. The palmar aponeurosis and the palmaris brevis can be removed to reveal the underlying network of muscles, tendons, vessels and nerves. A deeper palmar dissection allows observation of the palmaris longus tendon, the palmar carpal ligament and the median nerve. Part of the thenar muscles can be removed to expose the superficial palmar branch of the radial artery. A superficial dorsal dissection shows ligaments, nerves and vessels.

Mounted on base with stand. Size: 15x11x30 cm - Weight: approx. 350 g



◀ 6000.38

6000.08 ▶

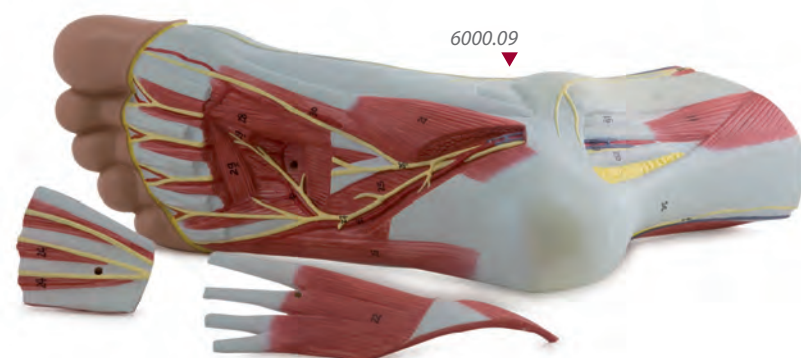


## HUMAN ANATOMY MODELS

### Extremities



◀ 6000.35



6000.09 ▼

### REGIONAL ANATOMY OF THE FOOT

6000.09

This life size model is composed of 3 parts. The plantar aponeurosis and the flexor brevis can be removed to show the underlying network of muscles, tendons, vessels and nerves. A deeper plantar dissection allows observation of the plantar muscles and plantar nerve branches. A superficial dorsal dissection shows ligaments, nerves and vessels.

Size: 23x8x12 cm  
Weight: approx. 650 g



◀ 6000.09

### ANATOMY OF THE FOOT

6000.35

This 9-part model shows significant structures of the foot such as muscles, nerves, vessels and ligaments.

Size: 23x8x12 cm - Weight: approx. 600 g



6000.10 ▶

### NORMAL AND ABNORMAL FEET, SET OF 3

6000.10

3 life size models representing normal, flat and arched feet.

Size: 21x14.5x31.5 cm (each model)  
Weight: approx. 1350 g

### SECTION OF FOOT

6000.11

This life size model shows a human foot sectioned along the sagittal plane.

Size: 23x8x12 cm  
Weight: approx. 450 g

6000.11 ▶

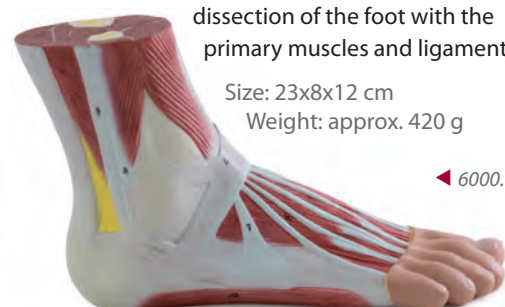


### MUSCLES OF FOOT

6000.12

This life size model represents a superficial dissection of the foot with the primary muscles and ligaments.

Size: 23x8x12 cm  
Weight: approx. 420 g



◀ 6000.12

## HUMAN ANATOMY MODELS

### Training Model • Acupuncture

#### ACUPUNCTURE MODEL

6000.46

This male model provides a highly accurate illustration all of the acupuncture pressure points and meridians. All points are numbered and identified on the accompanying k-card. Ideal for teaching as well as clinical practice. 1/3 life size.

Mounted on base. Size: 20x15x53 cm - Weight: 700 g

NEW



6000.46 ▶

#### NG & TRACHEOSTOMY TEACHING TORSO

6330.10

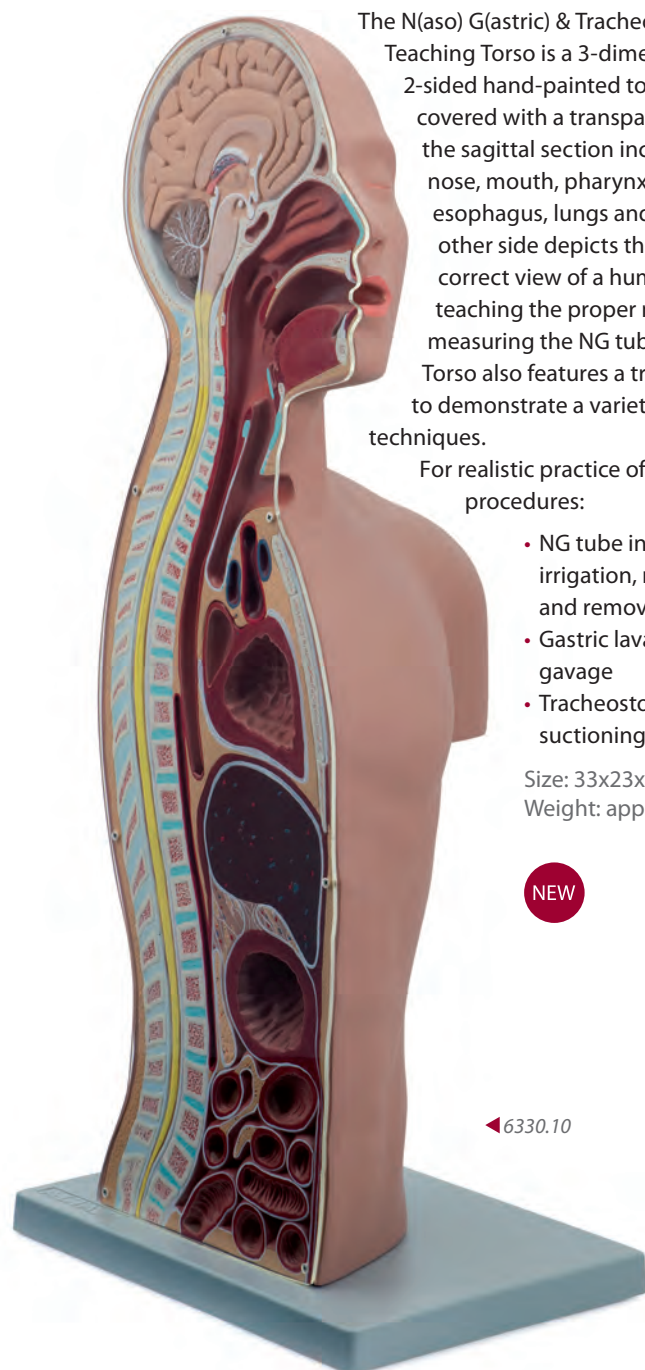
The N(aso) G(astric) & Tracheostomy Teaching Torso is a 3-dimensional, 2-sided hand-painted torso. One side, covered with a transparent lid, shows the sagittal section including the nose, mouth, pharynx, trachea, esophagus, lungs and stomach. The other side depicts the anatomically correct view of a human torso for teaching the proper method of measuring the NG tube's length. Torso also features a tracheostomy to demonstrate a variety of care techniques.

For realistic practice of the following procedures:

- NG tube insertion, irrigation, monitoring and removal
- Gastric lavage and gavage
- Tracheostomy care and suctioning

Size: 33x23x73 cm  
Weight: approx. 4400 g

NEW



◀ 6330.10

(NG Tube and Trach tube not included)





## HUMAN ANATOMY MODELS

### Pathology Models

#### Altay's pathology models

represent an excellent basic educational tool for understanding some of the most common pathologies of the human body.

They also represent an useful resource for the surgery in the medical field.

Altay's Pathology models are also designed to be customized.

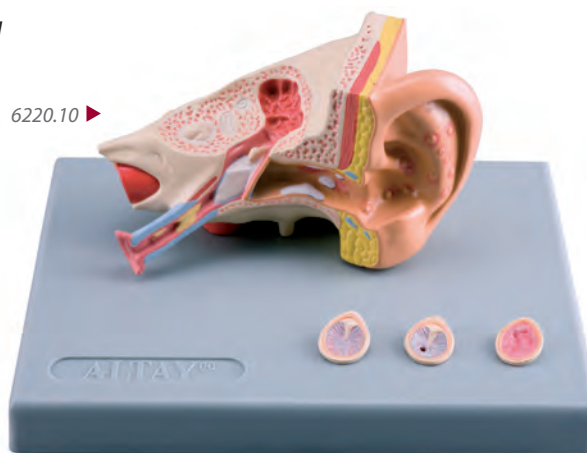
Use it to promote your client's brand.

Contact us for more information.

#### EAR DISEASES

► page 31

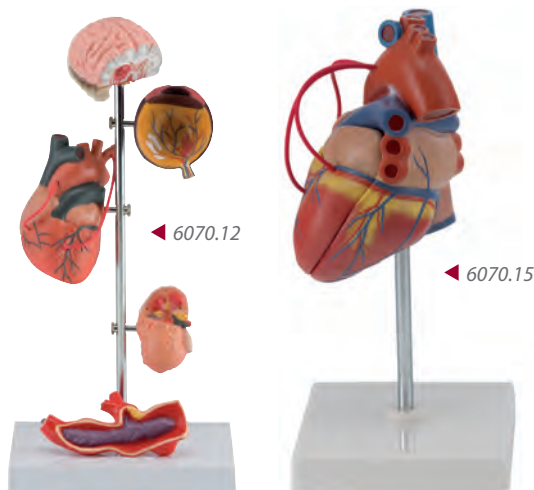
6220.10



#### EFFECTS OF HYPERTENSION, 5 PARTS

► page 36

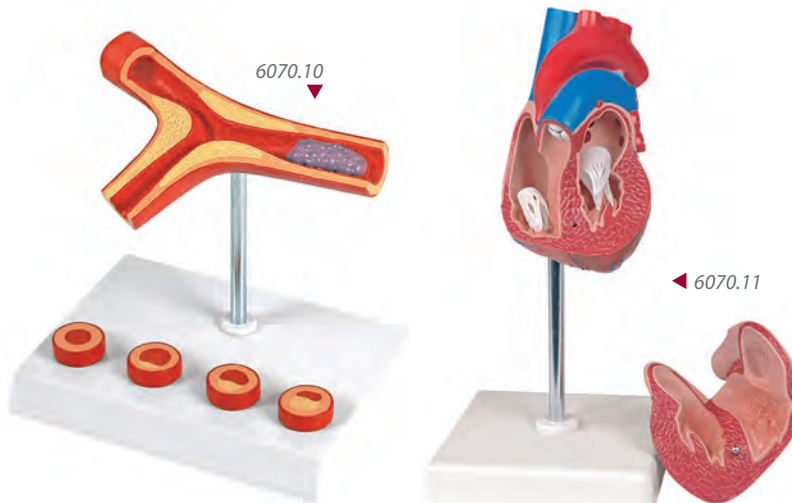
6070.12



#### ATHERIOSCLEROSIS AND THROMBOSIS MODEL

► page 35

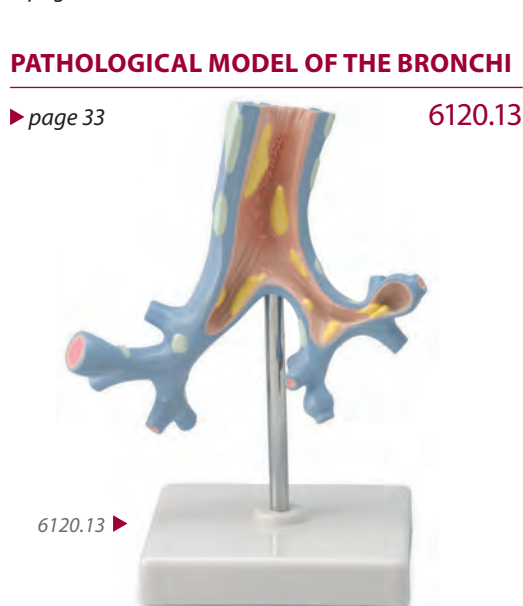
6070.10



#### INTRODUCTORY CORONARY BYPASS

► page 37

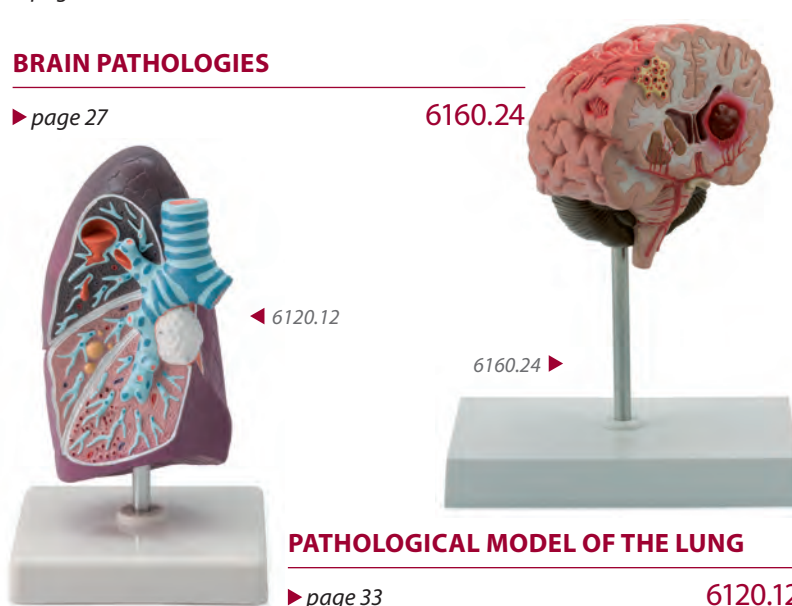
6070.15



#### HEART HYPERTROPHY

► page 37

6070.11



#### PATHOLOGICAL MODEL OF THE BRONCHI

► page 33

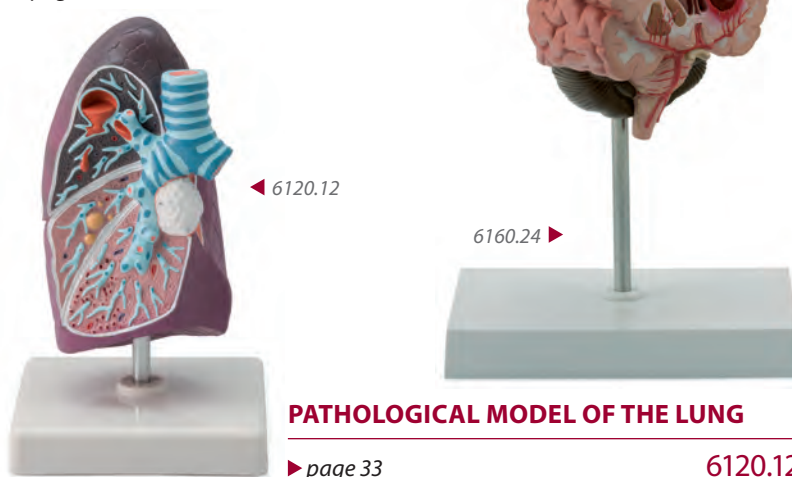
6120.13



#### BRAIN PATHOLOGIES

► page 27

6160.24



#### PATHOLOGICAL MODEL OF THE LUNG

► page 33

6120.12



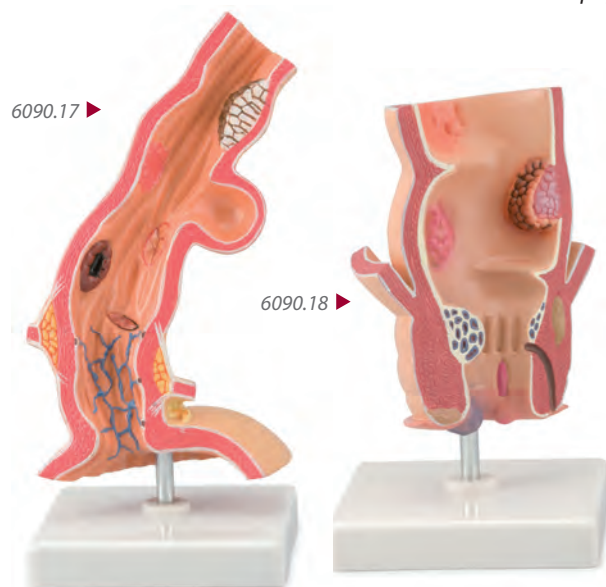
## HUMAN ANATOMY MODELS

### Pathology Models

#### **PATHOLOGICAL MODEL OF THE ESOPHAGUS**

► page 43

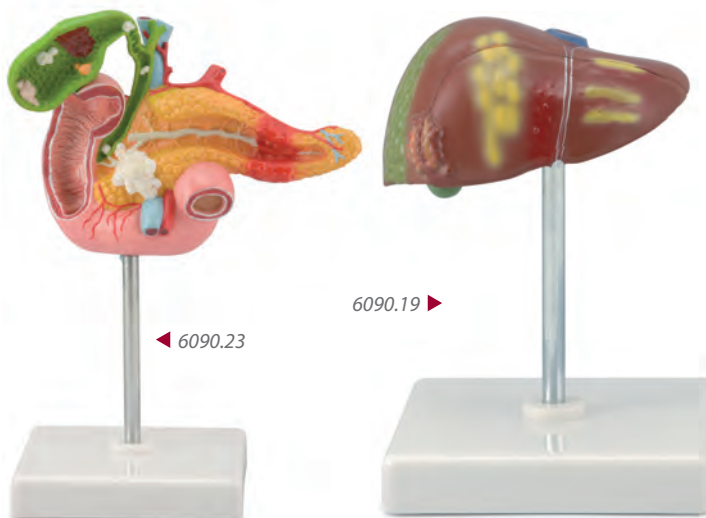
6090.17



#### **PATHOLOGICAL MODEL OF THE PANCREAS, DUODENUM AND GALLBLADDER**

► page 42

6090.23



#### **PATHOLOGICAL MODEL OF THE RECTUM**

► page 41

6090.18



#### **PATHOLOGICAL MODEL OF THE LIVER**

► page 38

6090.19

#### **INDIRECT INGUINAL HERNIA**

► page 43

6090.26

#### **GASTRIC DISEASES**

► page 41

6090.24



#### **NEPHRON DISEASE**

► page 45

6140.17



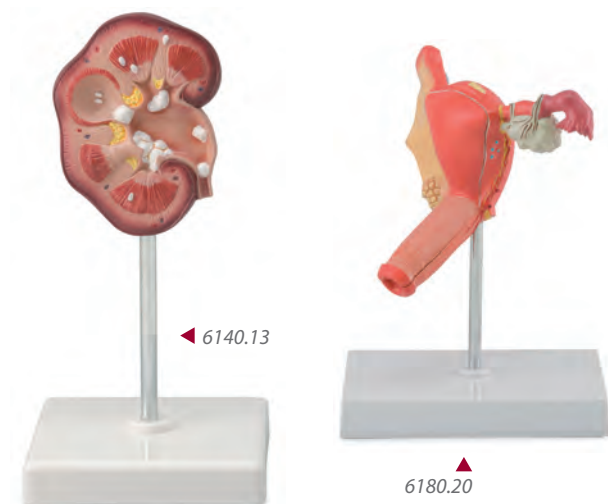


## HUMAN ANATOMY MODELS

### Pathology Models

#### **PATHOLOGICAL MODEL OF RENAL CALCULUS**

► page 45

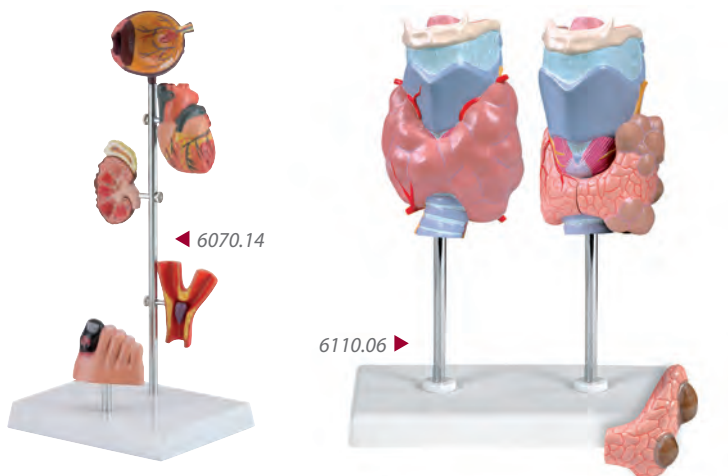


#### **EFFECTS OF DIABETES, 5 PARTS**

6140.13

► page 52

6070.14



#### **PATHOLOGICAL MODEL OF THE FEMALE GENITAL ORGAN**

► page 51



6180.20

► page 52

6110.06

#### **THYROID DISEASES, 4 PARTS**

#### **PATHOLOGICAL MODEL OF COLON AND RECTUM**

► page 42

6090.29

#### **NORMAL AND DISEASED PROSTATE GLAND**

► page 51

6180.19

#### **PATHOLOGICAL MODEL OF THE MALE UROGENITAL SYSTEM**

► page 51

6180.21

#### **PATHOLOGICAL MODEL OF RENAL CALCULUS**

► page 45

6180.27



# HUMAN ANATOMY MODELS

## Pathology Models

### DENTAL CARIES MODEL

► page 67



6041.70 ▲

6041.71 ►



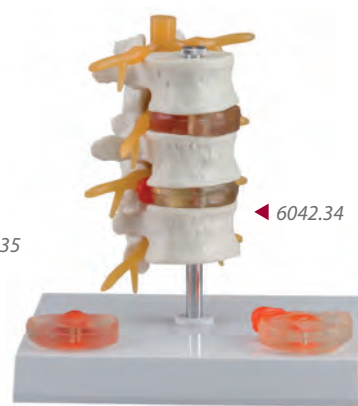
6041.70

### HERNIA WITH 3 VERTEBRAES

► page 64



6042.35 ▲



6042.34 ▲

6042.34

### DENTAL PATHOLOGY MODEL

► page 65

6041.71

### HERNIA WITH 2 VERTEBRAES

► page 64

6042.35

### PATHOLOGICAL MODEL OF BURNED SKIN

► page 74

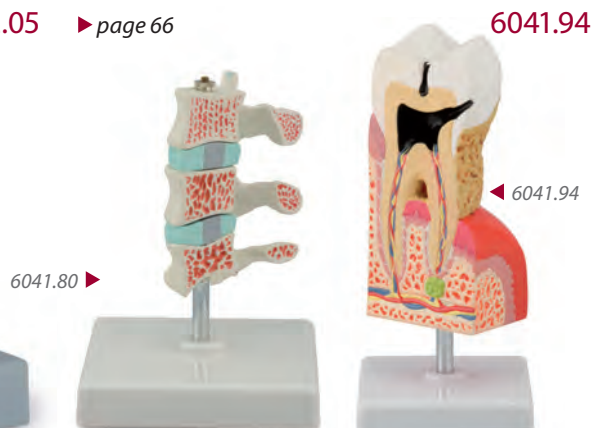


6202.05 ▲

6202.05

### LOWER MOLAR WITH CARIES

► page 66



6041.80 ►

6041.94 ▲

6041.94

### ADVANCED OSTEOPOROSIS MODEL

► page 64

6041.80

### NORMAL AND ABNORMAL FEET, SET OF 3

► page 69

6000.10

### PATHOLOGICAL MODEL OF THE SKIN

► page 54

6202.03



6000.10 ►

6202.03 ►





This section is dedicated to a wide range of biology models, including virology, botany and zoology.

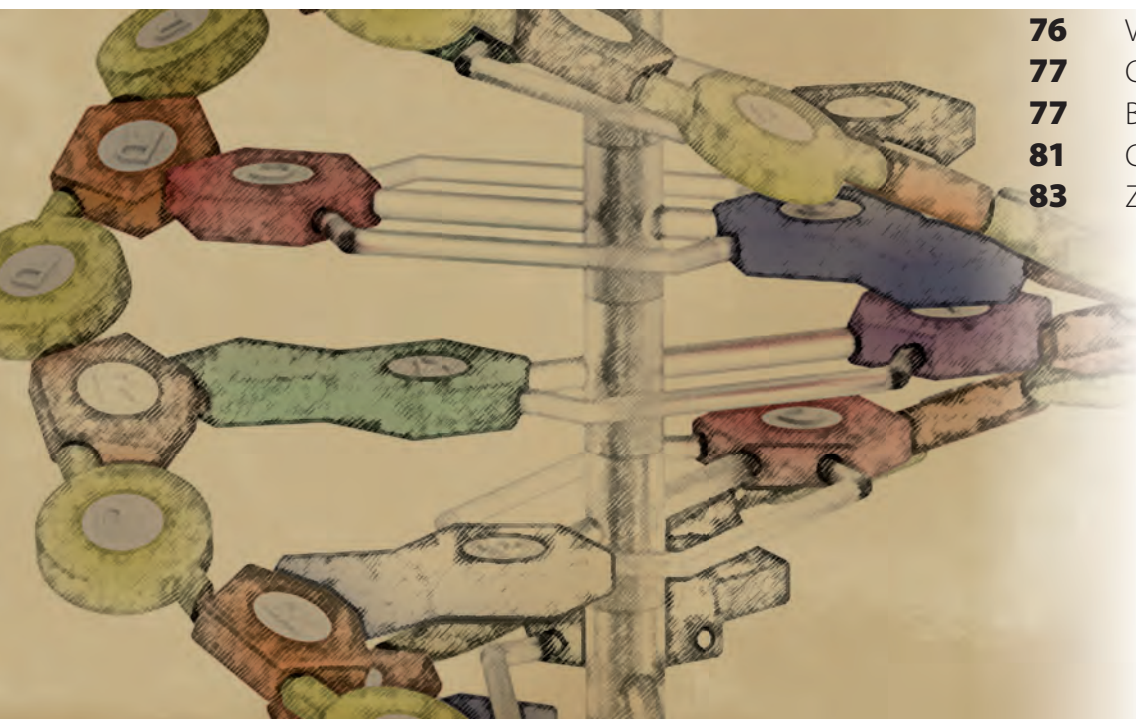
General biology is a new e xpanding field which we are constantly increasing through the design and development of new items.

Through the study of real specimens, our models reproduce (with excellent detail) all the features of general biology, giving particular attention to accuracy and quality.

Our models represent an excellent support for the students in the study of the general biology.

All models are numbered and are accompanied by a handy key card, making a handy and quick reference guide.

## GENERAL BIOLOGY MODELS



- 76** Viruses and Bacteria
- 77** Coelenterates
- 77** Botany
- 81** Cell and Cellular Division
- 83** Zoology

## PRODUCTS HIGHLIGHT



### **84** FROG

This 3X life size model provides a highly accurate illustration of the morphology of a frog.



### **84** HEN

This 8-part life-size model describes in great detail the anatomy of a hen.

### **78** HERMAPHRODITE DICOT FLOWER

This model describes with great accuracy and detail the anatomy of a typical hermaphrodite dicotyledonous flower.



### **81** DOUBLE HELIX DNA

This self assembly kit contains all the blocks needed to build a 24 base pairs right handed double helix DNA (B-DNA).



## BIOLOGY MODEL

### Viruses and Bacteria

#### VARIOUS TYPES OF VIRUSES, SET OF 4

6233.01

This set is composed of models 6233.02, 6233.03, 6233.04 and 6233.05

Weight: 960 g

#### TOBACCO MOSAIC VIRUS

6233.02



This model, enlarged millions of times, shows the capsid structure of the tobacco mosaic virus, including the viral genome (RNA). Mounted on board. Size: 20x15x9 cm - Weight: approx. 80 g

◀ 6233.02

#### ADENOVIRUS

6233.03



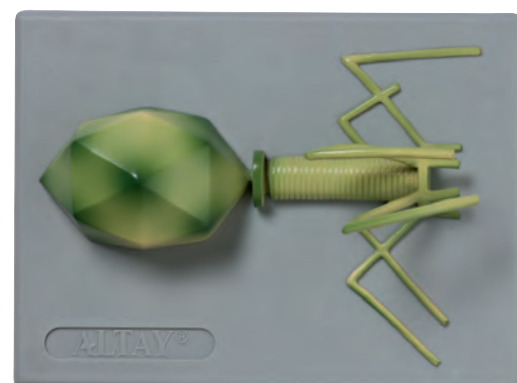
This model shows the capsid structure of the adenovirus, enlarged millions of times.

Mounted on board. Size: 20x15x9 cm - Weight: approx. 90 g

◀ 6233.03

#### BACTERIOPHAGE T4

6233.04



The structure of bacteriophage T4, a virus that attaches to the surface of the much larger bacterium *Escherichia coli*, is shown millions of times enlarged life size.

◀ 6233.04

Mounted on board. Size: 20x15x9 cm - Weight: approx. 90 g



6233.05

#### HIV VIRUS

(VIRUS RESPONSIBLE FOR AIDS)

6233.05

This model, enlarged millions of times, shows the structure of the HIV retrovirus, including the outer lipid membrane with protein structures and the internal nucleus containing the viral genome (RNA).

Mounted on board.

Size: 20x15x9 cm - Weight: approx. 80 g

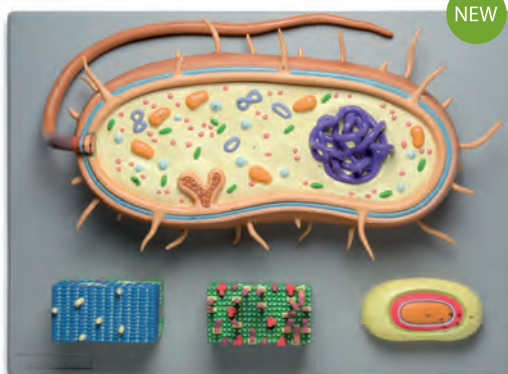
#### BACTERIUM

6231.03

A complete tool for understanding the structure of the prokaryotic cell. This item, greatly enlarged, is composed of four models on the same base:

- A cross-section of a general prokaryotic cell, illustrating typical structures as pili, flagella, inclusion body, plasmides and chromosome
- Two schematic representations of the cell wall of Gram-negative and Gram-positive bacteria
- A model of spore, partially cut away to show all its different layers, from the exosporium to the cytoplasmic membrane.

All the main structures, shown in minute detail, are numbered and referenced on the included k-card.



6231.03

Mounted on base.

Size: 55x38x15 cm - Weight: 350 g



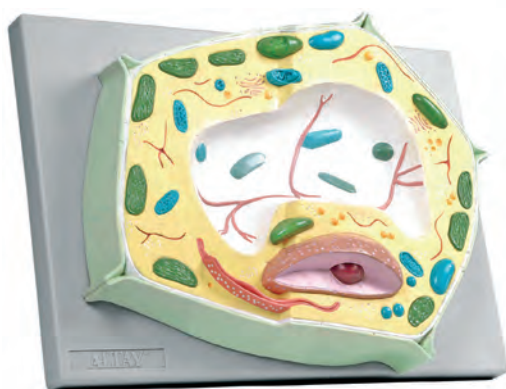
## BIOLOGY MODEL

### Coelenterates • Botany

#### HYDRA MODEL, 4 PARTS

6280.12

This 4-part model shows longitudinal and cross sectional views of the hydra, highlighting significant anatomical features, including the ectoderm, mesoglea, coelenteron, male and female egg cells, buds and mouth opening. The cross sectional block model, about 250X life size, shows various cellular structures, including nematoblasts, epithelial cells, sensory cells, interstitial cells and the nerve network. An additional block model shows the anatomy of a highly enlarged cnidoblast cell. Mounted on base. Size: 70x30x58 cm - Weight: approx. 2200 g



6231.01

#### PLANT CELL

6231.01

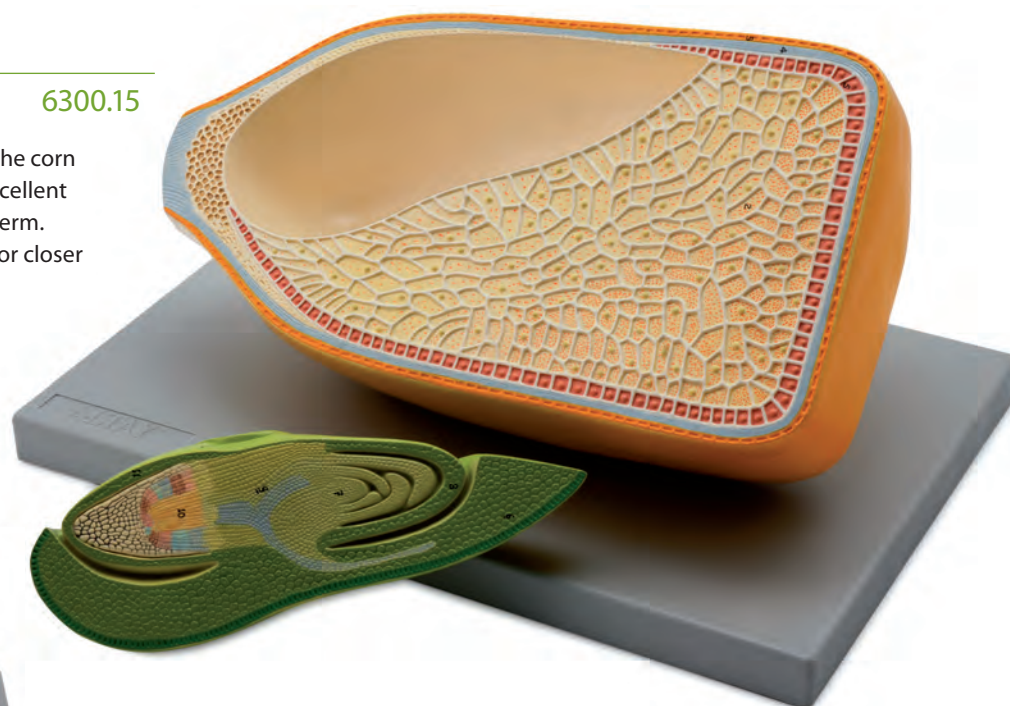
This model, enlarged 20000 times, shows the significant structures of a plant cell, including the cell wall, nucleus, vacuole, Golgi apparatus, mitochondrion, chloroplast, chromoplast, leucoplast, endoplasmic reticulum.

#### CORN SEED MODEL, 2 PARTS

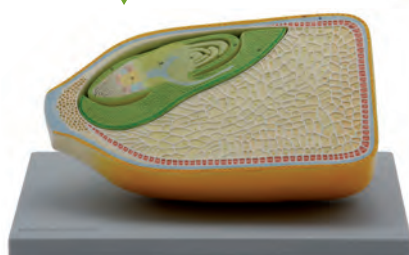
6300.15

This model is 40X life size; it shows the corn seed in longitudinal section with excellent details of the seed coat and endosperm. The seed embryo can be removed for closer examination of its internal features.

Mounted on base.  
Size: 40x26x21.5 cm  
Weight: approx. 1500g



6300.15



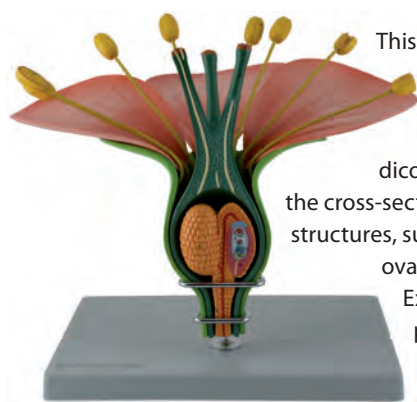
Mounted on board. Size: 42x17x10 cm - Weight: approx. 1300 g



## BIOLOGY MODEL

### Botany

#### HERMAPHRODITE DICOT FLOWER



This three-piece model, enlarged to 14X life size, describes with great accuracy and detail the anatomy of a typical hermaphrodite dicotyledonous flower. Thanks to the cross-section, the anatomy of the internal structures, such as stamens, stigma, style and ovary with eggs can be easily studied. External structures, including petals and sepals, are also well represented. The main structures are numbered and referenced on the accompanying k-card.

Mounted on base with stand. Size: 33x23x40 cm - Weight: 515 g 6310.06 ▶

6310.06



#### MONOCOT ROOT (ZEA MAYS)

This 200X life-size model shows the structure of a typical monocot root in a cross and longitudinal section. This model is divided into 3 segments, including the following: zone of primary structure, zone of distention cells and meristematic zone. All the different structures and cellular types are numbered and identified on the accompanying k-card.



Mounted on base.  
Size: 33x23x54 cm - Weight: 2800 g

◀ 6310.08

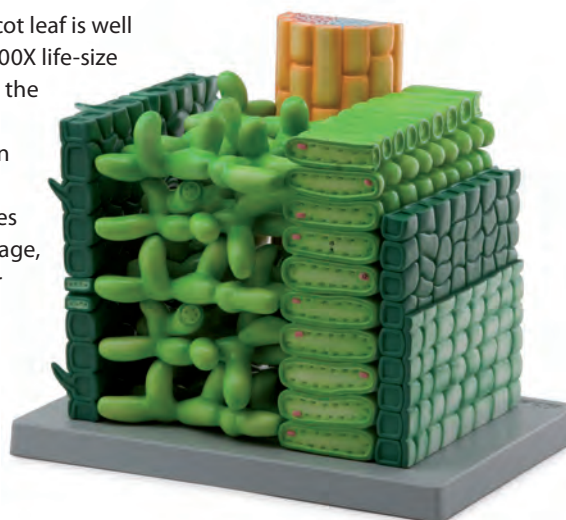
6310.08

#### DICOT LEAF

The structure of a dicot leaf is well represented in this 600X life-size model; the cross and the longitudinal section describes all the main structures and the different cellular types through the upper page, mesophyll and lower page.

Mounted on base.  
Size: 33x23x36 cm  
Weight: 3500 g

6310.09 ▶



6310.09

#### CHLOROPLAST

This model represents an important tool to study one of the most important organelles of the plant cell. The chloroplast, greatly enlarged, is cross and longitudinally sectioned to show in great detail the internal microscopical structure such as inner and outer membrane, granum, stroma, starch granules and osmiophile globule.

Mounted on base.  
Size: 40x26x20 cm  
Weight: 2530 g



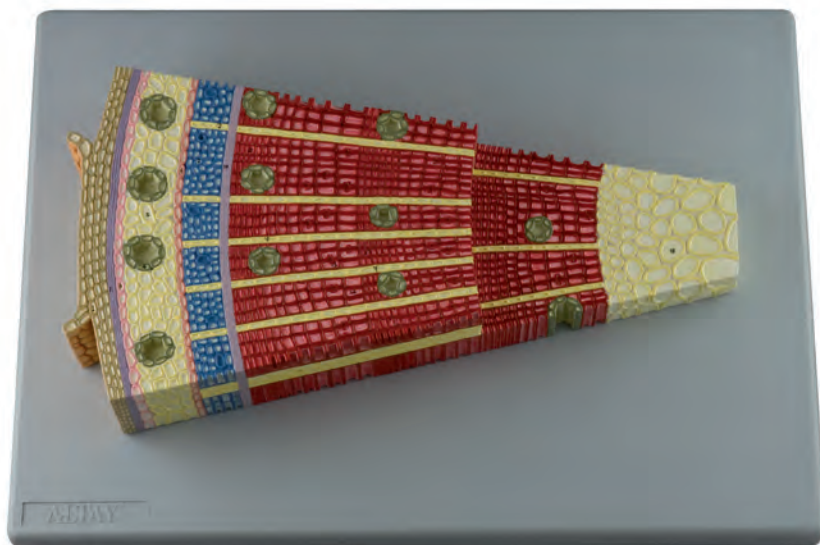
◀ 6310.11

6310.11



## BIOLOGY MODEL

### Botany



#### DICOT ROOT SECTION (*LEGUMINOSEAE*)

6310.07

This 3-part model, enlarged 400X life size, shows the structure of a dicot root in a cross and longitudinal section. All significant structures are well represented in great detail.

The model is divided in 3 segments including the following: the first part describes the root tip with cap, the second one illustrates the distension zone and the last one part shows the meristematic mature region.

Mounted on base.

Size: 33x23x 54 cm - Weight: approx. 3850 g

◀ 6310.03

#### GYMNOSPERM STEM (*PINUS SILVESTRIS*)

6310.03

This 350X life size model shows in great detail the section of a pinus silvestris 3- year old stem. It describes all basic structures of the gymnosperm stem, including epidermis and vascular cylinder.

Mounted on base.

Size: 30x38x9.5cm - Weight: approx. 1600 g

#### MONOCOT STEM SECTION (*ZEA MAYS*)

6310.04

This model, enlarged 400X life size, shows a cross and longitudinal section through a monocot stem.

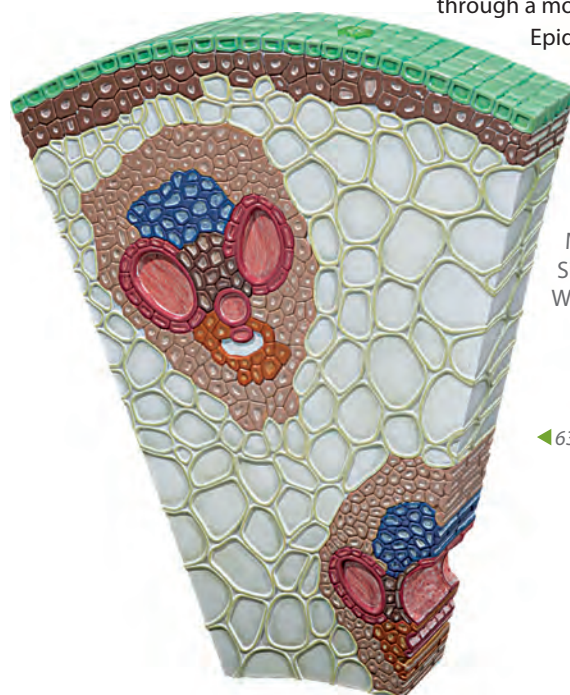
Epidermis, cortex, central vascular cylinder and all the significant internal structures are well represented.

Mounted on base.

Size: 33x23x7.5 cm

Weight: approx. 1000 g

◀ 6310.04



◀ 6310.07



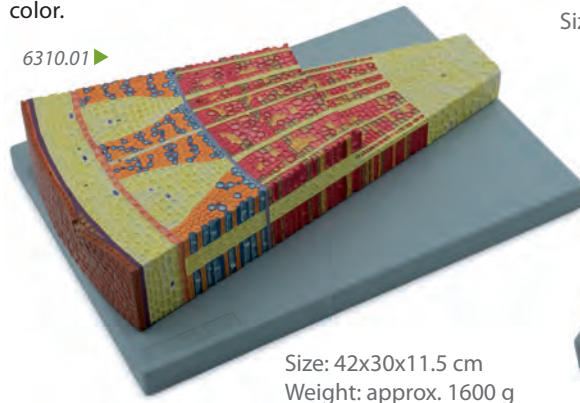
## BIOLOGY MODEL

### Botany

#### DICOT ARBOREOUS STEM SECTION (*TILIA*)

6310.01

This model, enlarged 300X life size, shows the structure of a dicot wooden stem. Longitudinally and cross sectioned, it shows significant elements of the cortex and central vascular cylinder. All different structures are displayed in different color.



#### DICOT HERBACEOUS STEM SECTION (*HELIANTUS ANNUUS*)

6310.02

This model, enlarged 300X life size, illustrates a dicot vascular structure. Longitudinally and cross sectioned, it shows clearly significant elements of the tegumental and cortical zone. The central vascular cylinder, including phloem and xylem, is represented in great detail. All different structures are displayed in different color.

Size: 42x30x11.5 cm - Weight: approx. 1600 g



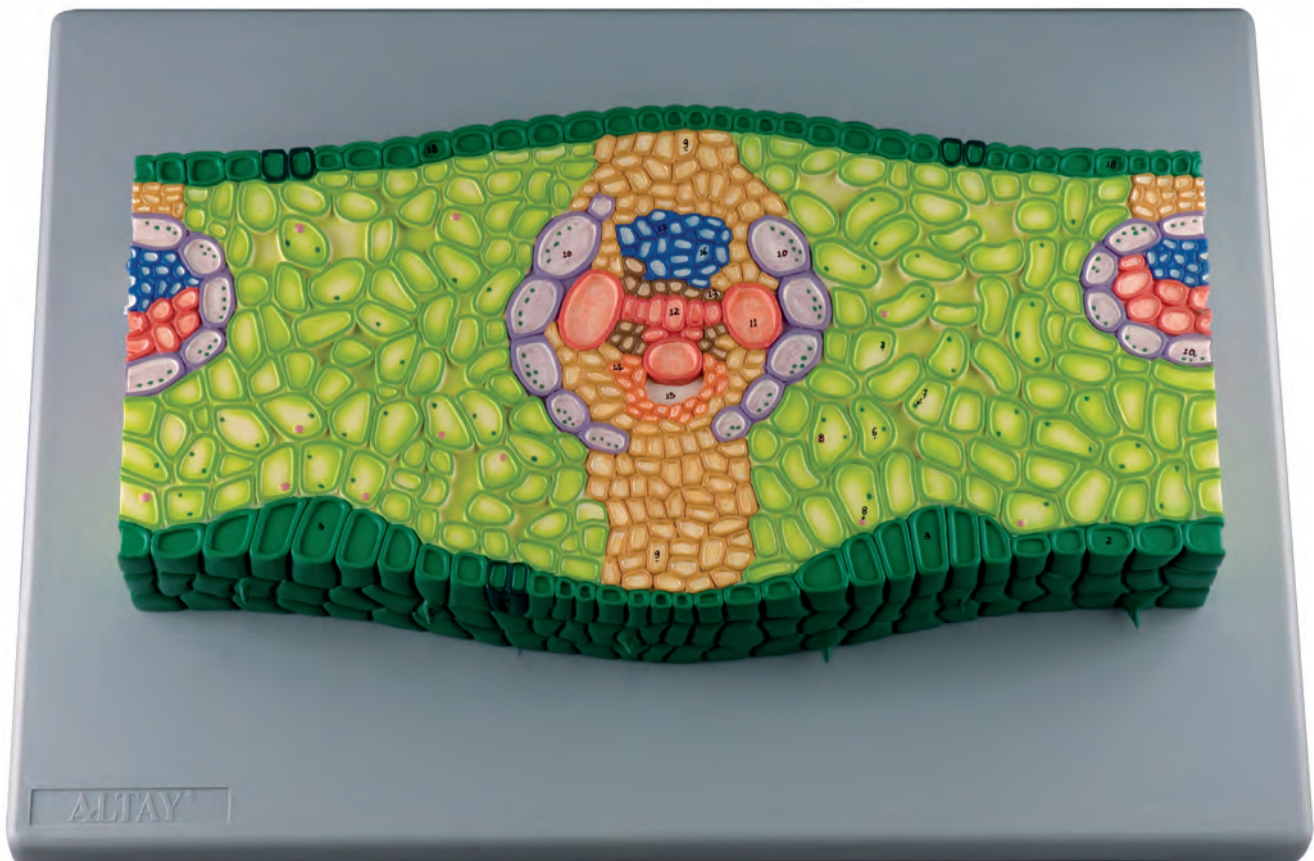
#### MONOCOT LEAF SECTION (*ZEA MAYS*)

6310.10

This model, enlarged 500X life size, shows the cross and longitudinal section of a monocot leaf. Significant structures include dorsal and ventral page, xylem, phloem and mesophyll.

Mounted on base.  
Size: 53x38x9.5 cm  
Weight: approx. 2500 g

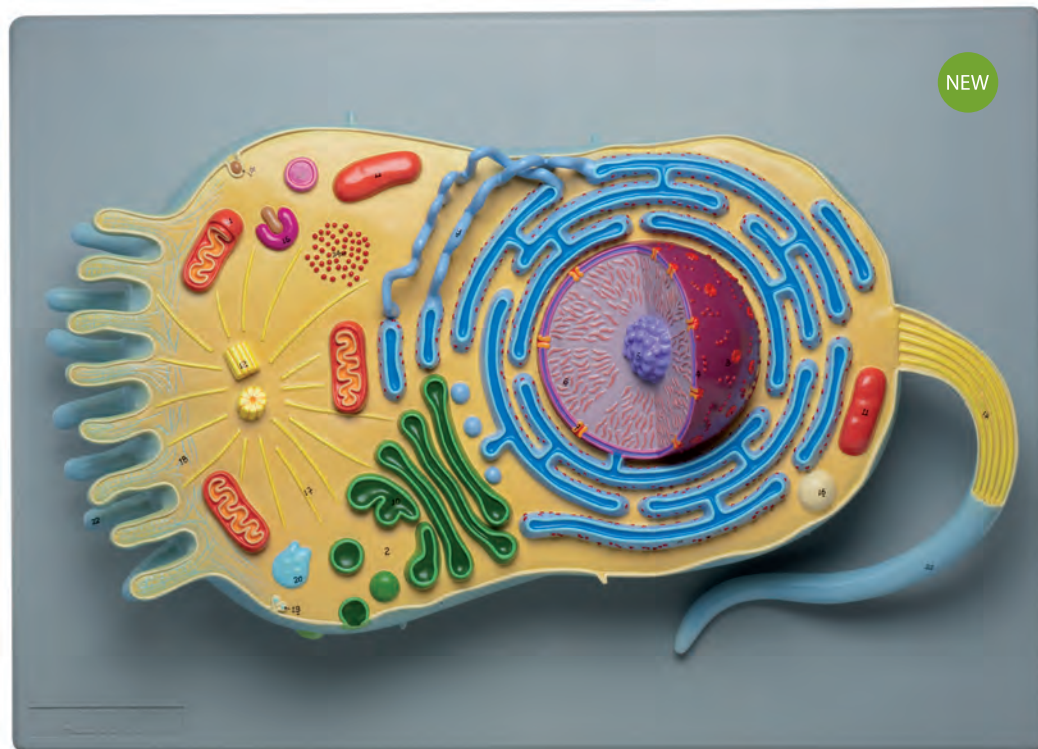
6310.10 ▼





## BIOLOGY MODEL

### Cell and Cellular Division



#### ANIMAL CELL

6231.02

This single-piece model, magnified approximately 13,000 times, is a very useful tool to study the cytology of an eukaryotic cell. The typical structures, such as microvilli, flagellum, mitochondria, nucleus, rough and smooth ER, are reproduced with great detail and accuracy. The model comes with an accompanying multilingual k-card identifying 24 structures.

Mounted on base.  
Size: 55x38x15 cm  
Weight: 2050 g

#### CHROMOSOME MODEL

6231.02

This single-piece model, 10000X enlarged, shows the structure of a human chromosome. All the main parts - centromere, telomere and loops - are extremely accurately reproduced.

Mounted on base with stand.  
Size: 15x15x37 cm  
Weight: 520 g



6250.10

#### DOUBLE HELIX DNA 12 BP MODEL (1 TURN)

6250.10

This self assembly kit contains all the blocks needed (stand included) to build a 12 base pairs right handed double helix DNA (B-DNA). Parts are colour coded and have characteristic shapes, with deoxyribose being pentagonal, phosphates cylindrical and nitrogenous bases showing their peculiar pyrimidine or purine structure. Two different central connecting parts depict the 2 and 3 H-bond between Thymine/Adenine and Cytosine/Guanine. The assembled model is important in demonstrating the most peculiar features of double stranded DNA structure and topology.

Size: 30x22x10 cm

#### DOUBLE HELIX DNA 24 BP MODEL (2 TURNS)

Same features as 6250.11 but with the blocks needed to build a 24 base pairs right handed double helix DNA (B-DNA).

Size: 30x22x10 cm

6250.11



6250.12

6250.12

## BIOLOGY MODEL

### Cell and Cellular Division

#### CELL MEIOSIS MODEL

6232.03

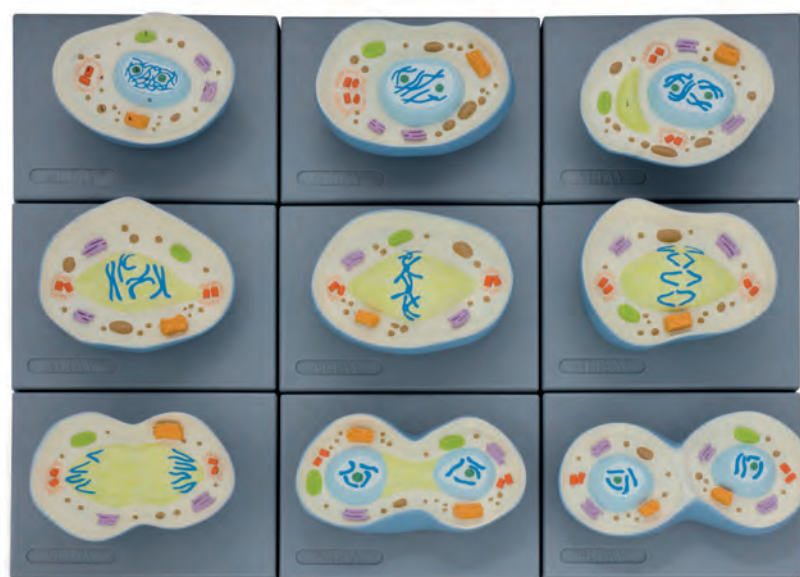
This item is composed of 12 different pieces showing the main stages of the mammal cell meiosis (prophase I, metaphase I, anaphase I, telophase I, cytokinesis I, prophase II, metaphase II, anaphase II, telophase II and cytokinesis II) at an enlargement of approx. 10000 times. During all stages you can see the different characteristics of the cellular structures such as

chromosomes, centrioles, spindle and nucleus. Every single piece is numbered to indicate the correct sequence of steps.

Mounted on bases. Size (each piece): 41x32x21 cm  
Weight (each piece): approx. 2400 g



▲  
6232.03



#### CELL MITOSIS MODEL

6232.02

This item is composed of 9 different pieces showing the main stages of the mammal cell mitosis (prophase, metaphase, anaphase and telophase) at an enlargement of approx. 10000 times. During all stages you can observe the different characteristics of the cellular structures such as chromosomes, centrioles, spindle and nucleus. Every single piece is numbered to indicate the correct sequence of steps

Mounted on bases  
Size (each piece): 33.5x23.5x29 cm  
Weight (each piece): 2050 g

▼ 6232.02



## BIOLOGY MODEL

### Zoology



#### PARAMECIUM MODEL

6280.14

This model, greatly enlarged, shows in two pieces the morphology of a Paramecium. The longitudinal section reveals the inner organules such as: food and contractile vacuoles, lysosome, macro and micronucleus. All structures are reproduced in great detail and identified on the accompanying k-card.



Mounted on base.

Size: 40x26x16 cm

Weight: 1660 g

6280.14 ▶

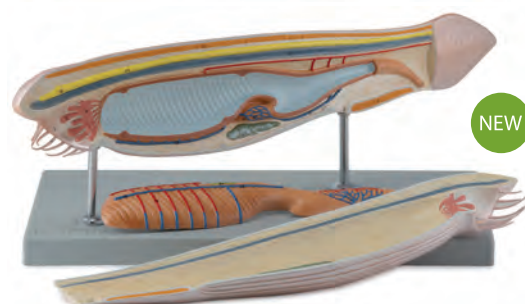
#### AMPHIOXUS

This three-part model, enlarged to 10X life-size, shows the morphology of an Ampioxus. The inner anatomy can be easily studied thanks to the longitudinal section; all the main structures, such as cerebral vesicle, neural tube, nephridium, gonad and circulatory system, are numbered and referenced on the accompanying multilingual k-card (included).

Mounted on base. Size: 43x30x18 cm - Weight: 800g



◀ 6280.55



NEW

#### COMPARATIVE TAPEWORM MODEL

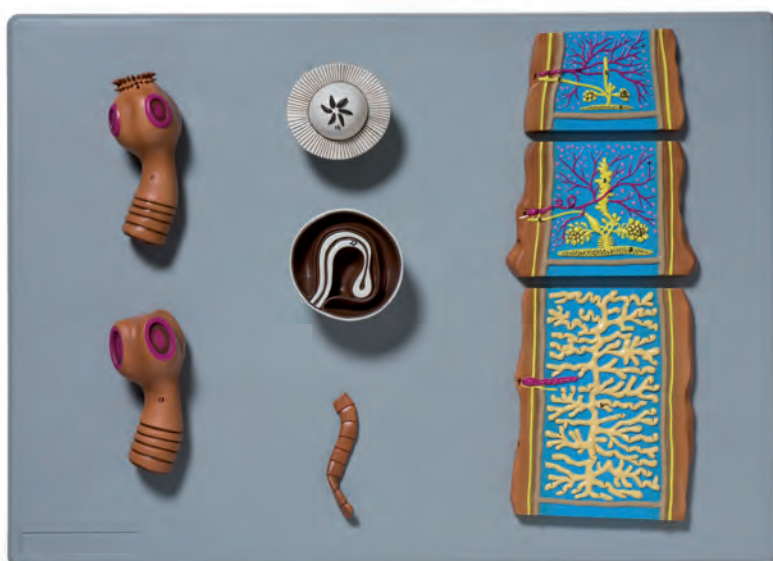
6280.56

This model compares the structures of *Taenia saginata* and *Taenia solium* scolex; the anatomy of the proglottid is shown through the longitudinal section at three different stages of maturation: immature, mature and gravid proglottid. Significant structures, such as suckers, hooklets, uterus and testis, are numbered and referenced on the accompanying k-card.

Mounted on board.

Size: 53x38x9.5 cm - Weight: 750 g

6280.56 ▼



6280.55



#### RAT DISSECTION MODEL

6280.50

Mounted on board.

Size: 25x18x7 cm

Weight: 250 g

This 6-part life-size model is an important tool to study zoology, providing a realistic reproduction the anatomy of the rat. The ventral dissection exposes heart and lungs, liver, intestine, male and female genital systems. The internal organs are removable for closer examination.



6280.50 ▲

## BIOLOGY MODEL

### Zoology



FROG

6280.53

This 3X life size model provides a highly accurate illustration of the morphology of a frog. The ventral part is open for a closer study of the inner anatomy.

**Removable components include the following:**

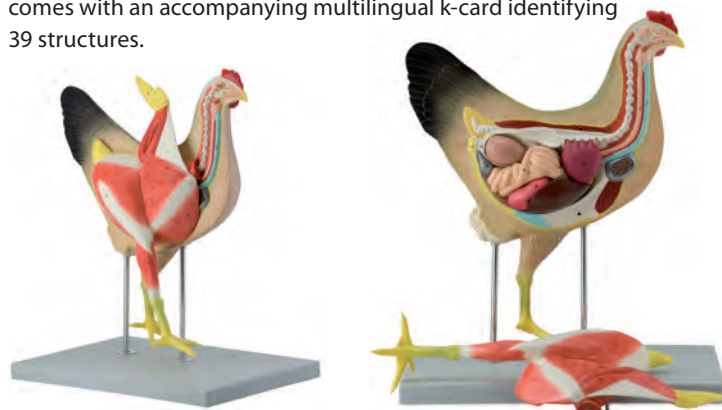
- heart and lungs
- liver
- stomach
- intestine.

On the accompanying multilingual k-card more than 15 structures are identified

Mounted on base with stand.  
Size: 23x15x37 cm - Weight: 400 g

### HEN

This 8-part life-size model describes in great detail the anatomy of a hen. The right side shows the external morphology while the right part, longitudinally sectioned, reveal the inner structures such as: muscles, heart, liver, intestine, stomach, lungs, reproductive system and an egg. The model comes with an accompanying multilingual k-card identifying 39 structures.



6280.53

FISHMODEL

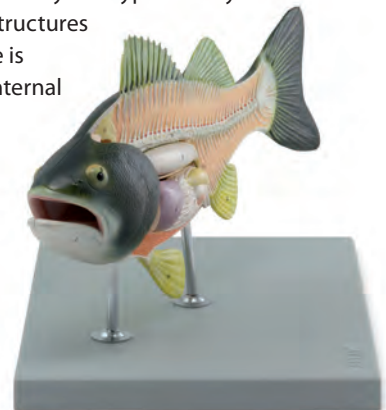
6280.51

This 5-part life-size model shows the anatomy of a typical bony fish. The right side shows the external structures such as fin, eye and nostrils; the left side is longitudinally sectioned to reveal the internal characteristics.

**Removable pieces include the following:**

- half head
- branchial arch
- liver with intestine
- gas bladder

Mounted on base with stand.  
Size: 40x26x24.5 cm - Weight: 1500 g



6280.54

6280.54



Mounted on base with stand.  
Size: 40x26x47.5 cm  
Weight: 2400 g

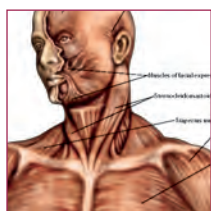


Each chart comes in a rigid tube.

## 86 Charts

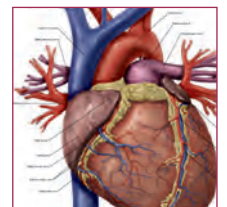
[illegible]

## 86 THE HUMAN SKULL



## 87 THE HUMAN MUSCULATURE

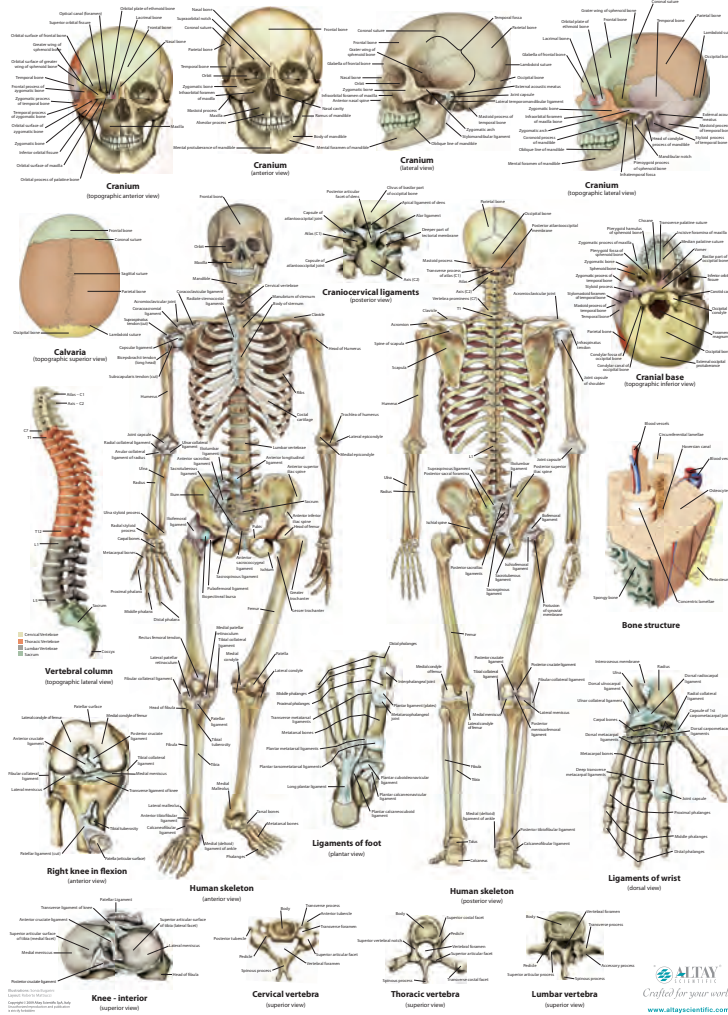
## 89 THE HUMAN HEART



88 THE HUMAN HEAR



## The human skeleton



### THE HUMAN SKELETON

- 6700.00** 70x100 cm,  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6700.01** 70x100 cm,  
premium Coated (200 g) paper
- 6700.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6700.11** 50x70 cm  
premium Coated (200 g) paper

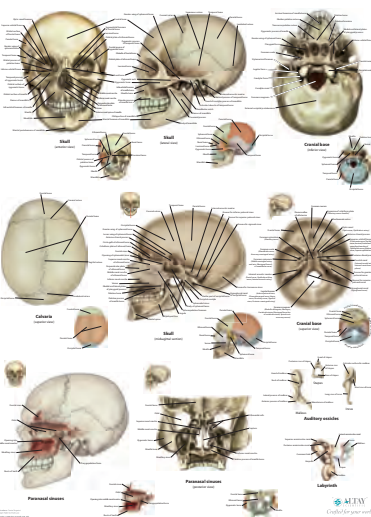
### THE HUMAN MUSCULATURE

- 6701.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6701.01** 70x100 cm  
premium Coated (200 g) paper
- 6701.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6701.11** 50x70 cm  
premium Coated (200 g) paper

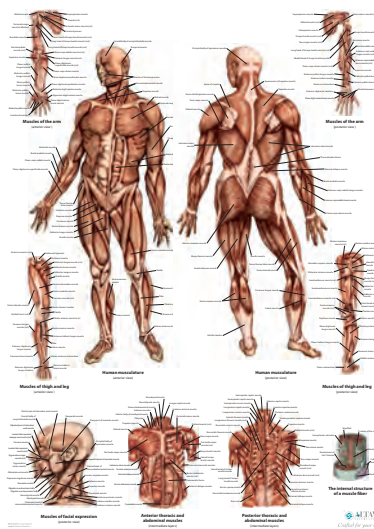
### THE HUMAN SKULL

- 6702.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6702.01** 70x100 cm  
premium Coated (200 g) paper
- 6702.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6702.11** 50x70 cm  
premium Coated (200 g) paper

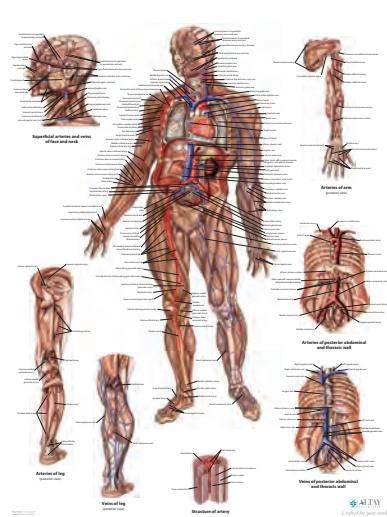
### The human skull



### The human musculature



### The vascular system





## CHARTS

### VASCULAR SYSTEM

- 6703.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6703.01** 70x100 cm  
premium Coated (200 g) paper
- 6703.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6703.11** 50x70 cm  
premium Coated (200 g) paper

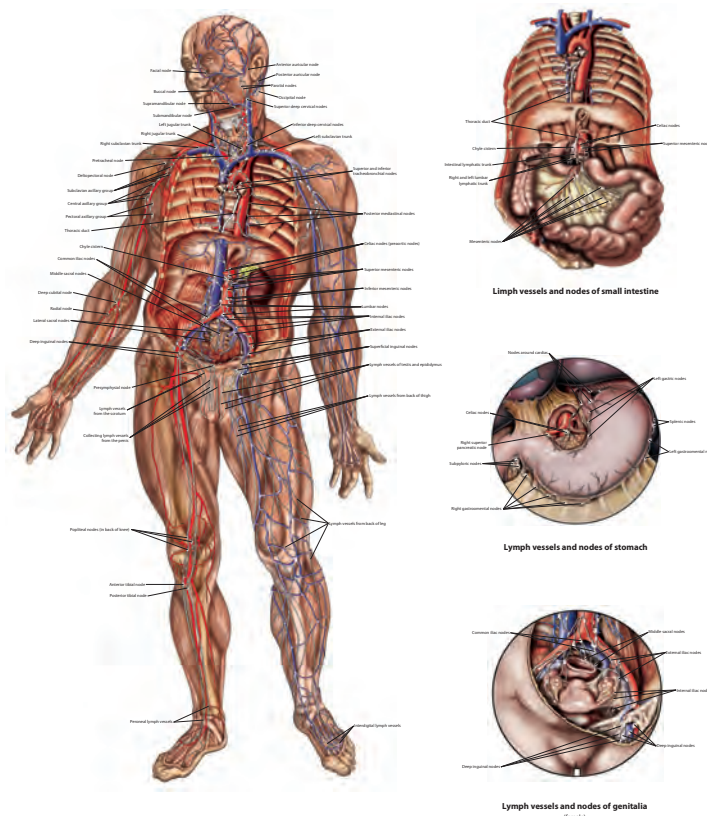
### LYMPHATIC SYSTEM

- 6704.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6704.01** 70x100 cm  
premium Coated (200 g) paper
- 6704.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6704.11** 50x70 cm  
premium Coated (200 g) paper

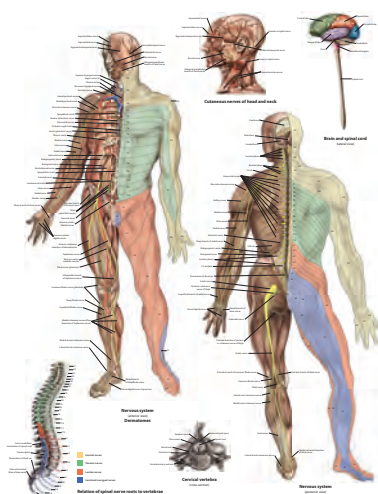
### NERVOUS SYSTEM

- 6705.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6705.01** 70x100 cm  
premium Coated (200 g) paper
- 6705.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6705.11** 50x70 cm  
premium Coated (200 g) paper

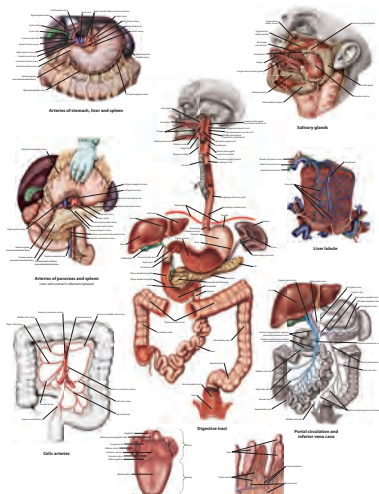
## The lymphatic system



## The nervous system



## The digestive system

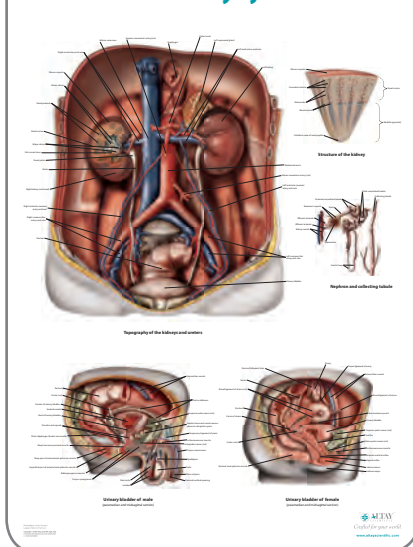


### DIGESTIVE SYSTEM

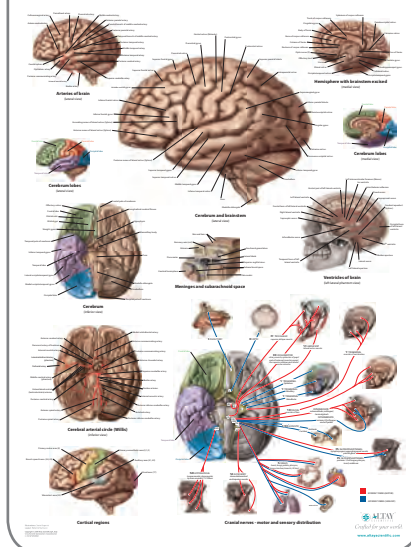
- 6706.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination  
(12,5 micron)
- 6706.01** 70x100 cm  
premium Coated (200 g) paper
- 6706.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination  
(12,5 micron)
- 6706.11** 50x70 cm  
premium Coated (200 g) paper

## CHARTS

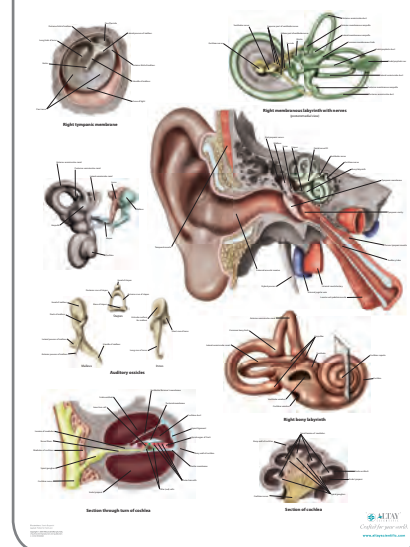
### The urinary system



### The human brain



### The human ear



### THE URINARY SYSTEM

- 6707.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6707.01** 70x100 cm  
premium Coated (200 g) paper
- 6707.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6707.11** 50x70 cm  
premium Coated (200 g) paper

### PREGNANCY

- 6708.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6708.01** 70x100 cm  
premium Coated (200 g) paper
- 6708.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6708.11** 50x70 cm  
premium Coated (200 g) paper

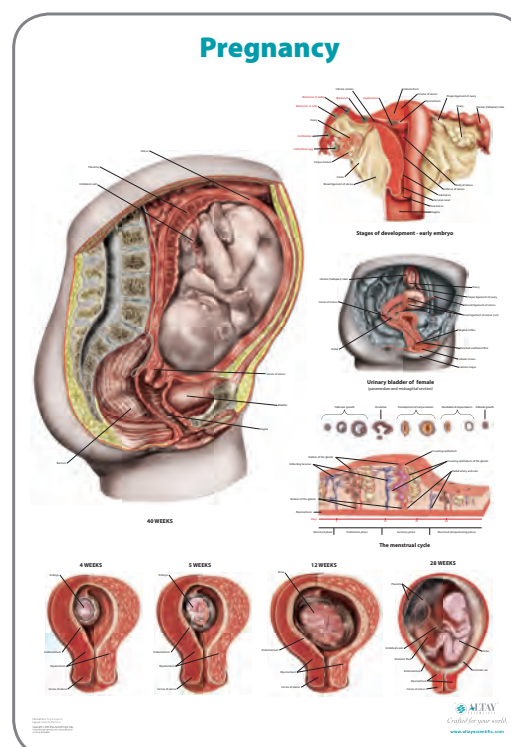
### THE HUMAN BRAIN

- 6709.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6709.01** 70x100 cm  
premium Coated (200 g) paper
- 6709.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6709.11** 50x70 cm  
premium Coated (200 g) paper

### THE RESPIRATORY SYSTEM

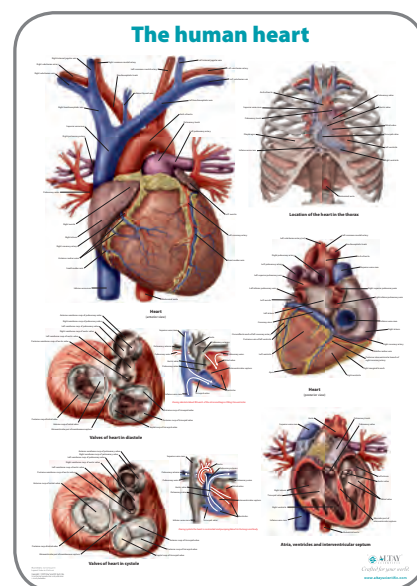
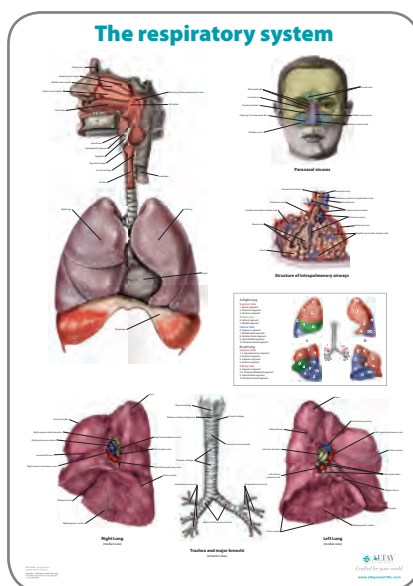
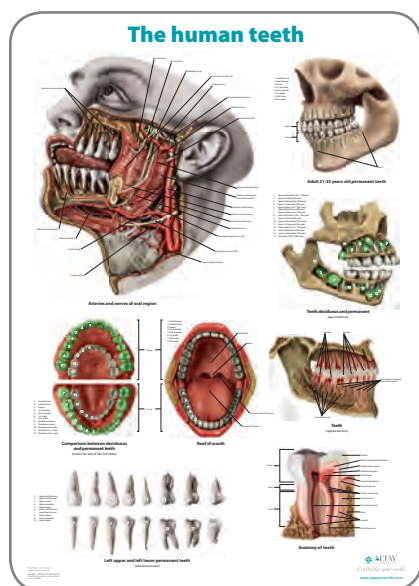
- 6710.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6710.01** 70x100 cm  
premium Coated (200 g) paper
- 6710.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6710.11** 50x70 cm  
premium Coated (200 g) paper

### Pregnancy





## CHARTS



### THE HUMAN HEART

- 6711.00** 70x100 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6711.01** 70x100 cm  
premium Coated (200 g) paper
- 6711.10** 50x70 cm  
premium Coated (200 g)  
paper with 2 sided lamination (12,5 micron)
- 6711.11** 50x70 cm  
premium Coated (200 g) paper

### THE HUMAN EAR

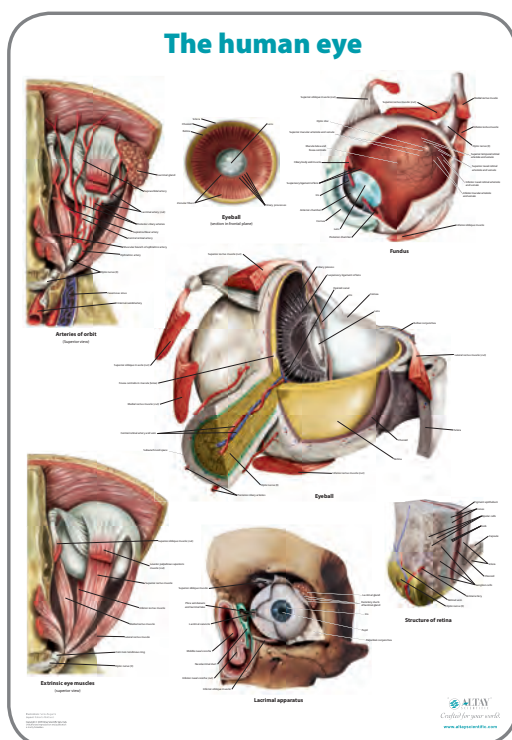
- 6712.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6712.01** 70x100 cm  
premium Coated (200 g) paper
- 6712.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6712.11** 50x70 cm  
premium Coated (200 g) paper

### THE HUMAN EYE

- 6713.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6713.01** 70x100 cm  
premium Coated (200 g) paper
- 6713.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6713.11** 50x70 cm  
premium Coated (200 g) paper

### THE HUMAN TEETH

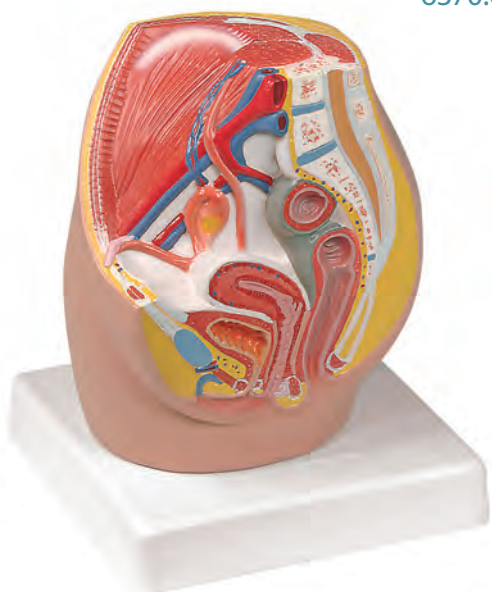
- 6714.00** 70x100 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6714.01** 70x100 cm  
premium Coated (200 g) paper
- 6714.10** 50x70 cm  
premium Coated (200 g) paper with 2 sided lamination (12,5 micron)
- 6714.11** 50x70 cm  
premium Coated (200 g) paper



PROMOTIONAL ITEMS

FEMALE PELVIS, 1/2 LIFE SIZE

6370.06



3<sup>RD</sup> LUMBAR VERTEBRA PENHOLDER LIFE SIZE

6370.02



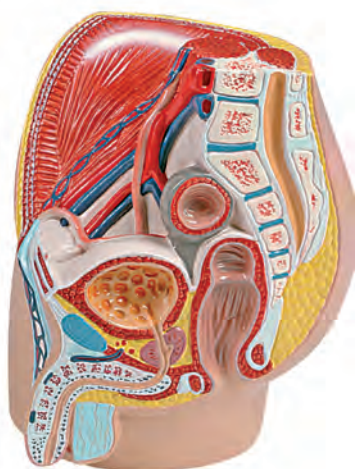
BRAIN PENHOLDER

6370.03



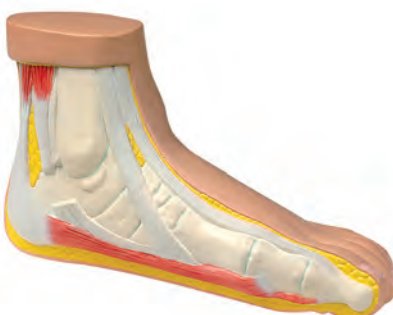
MALE PELVIS, 1/2 LIFE SIZE

6370.05



NORMAL AND ABNORMAL FOOT, 2/3 LIFE SIZE

6370.04



HEART PENHOLDER

6370.01





## INDEX



**92**

Numerical Index

**95**

Alphabetical Index

CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION	PAGE
6000.00	Torso dual-sex, 25 Parts .....	9	6030.13	Anatomy of the Neck.....	17
6000.03	Mini Torso Sexless, 12 Parts .....	14	6030.15	Disc head .....	23
6000.07	Muscles of the Arm .....	20	6041.00	Dust cover .....	55
6000.08	Muscles of Hand, 4 Parts.....	68	6041.02	Human Skeleton .....	56
6000.09	Regional Anatomy of the Foot.....	69	6041.03	Human Muscular Skeleton.....	56
6000.10	Normal and Abnormal Feet, Set of 3 .....	69	6041.04	Bones Structure .....	60
6000.11	Section of Foot.....	69	6041.05	Oral Hygiene Model .....	67
6000.12	Muscles of Foot .....	69	6041.06	Flexible Vertebral Column .....	58
6000.14	Female Perineum .....	16	6041.07	Flexible Vertebral Column with Femur Heads .....	58
6000.15	Male Perineum .....	16	6041.08	Flexible Vertebral Column with Femur Heads and Muscle Insertions.....	58
6000.16	Schematic Cross Section through Abdomen (T12) ...	17	6041.09	Flexible Vertebral Column with Removable Sacral Crest .....	58
6000.20	Schematic Cross Section through Thorax (T8).....	17	6041.10	Flexible Vertebral Column with Open Sacrum and Femur Heads.....	59
6000.21	Model of Shoulder with Deep Muscle.....	17	6041.12	Female Skeletal Pelvis .....	60
6000.23	Mini Torso Dual-Sex, 16 Parts .....	14	6041.13	Male Skeletal Pelvis .....	60
6000.25	Torso Sexless, 18 Parts .....	8	6041.14	Sacrum with Coccyx.....	61
6000.30	HUMAN Torso CD-Rom Guide.....	15	6041.20	Hand Bones .....	61
6000.31	Muscles of the Human Arm, 7 Parts .....	20	6041.21	Bones of the Hand and Forearm.....	60
6000.32	Skeletal Muscle Fiber .....	20	6041.30	Shoulder Joint .....	63
6000.33	Mini Torso Dual-Sex, 16 Parts .....	14	6041.40	Bones of the Foot.....	61
6000.34	Mini Torso Dual-Sex, 16 Parts .....	14	6041.41	Skeleton of Lower Limb with Half Pelvis .....	60
6000.35	Anatomy of the Foot .....	69	6041.50	Human Skull, 3 Parts .....	62
6000.36	Muscles of the Human Leg, 13 Parts .....	19	6041.52	Atlas, Axis and Occipital Bone.....	63
6000.37	Anatomy of the Hand, 3 Parts.....	68	6041.53	Permanent Teeth Model.....	65
6000.38	Regional anatomy of hand, 7 parts .....	68	6041.54	Deciduous Teeth Model.....	65
6000.38	Regional anatomy of the hand, 7 parts .....	68	6041.55	Human muscular skull, 3 parts .....	61
6000.39	Muscles of the human leg, 23 parts .....	19	6041.56	Hyoid Bone .....	63
6000.41	Hair model .....	54	6041.60	Lower Jaw, 6 Parts .....	65
6000.45	Mediastinum, 6 parts .....	16	6041.70	Dental Caries Model.....	67
6000.46	Acupuncture model.....	70	6041.71	Dental Pathology Model .....	65
6000.50	Torso Dual-Sex Open Back, 27 Parts .....	11	6041.77	Human Skeleton, (hanging) .....	57
6000.51	Torso Sexless, 16 Parts.....	7	6041.78	Human Muscular Skeleton, (hanging).....	57
6000.52	Torso sexless open back, 17 Parts.....	10	6041.79	Human Skull, 3 parts (numbered).....	62
6000.53	Muscular Torso Dual-Sex Open Back, 28 Parts.....	12	6041.80	Advanced Osteoporosis Model .....	64
6000.54	Muscular Torso Naturelle .....	5	6041.81	Knee Joint .....	63
6000.56	Muscular Figure, 30 Parts .....	18	6041.83	Skeleton of Human Trunk.....	59
6000.57	Mini Muscular Figure .....	18	6041.84	Mini Skeleton .....	56
6000.58	Muscular body.....	18	6041.85	Cervical Spinal Column .....	64
6000.61	Budget Sexless torso, 12 parts .....	6	6041.86	Thoracic Spinal Column.....	64
6000.62	Torso without head .....	6	6041.87	Lumbar Spinal Column with Sacral and Coccyx Bones.....	64
6030.01	Median Section of Head (relief model).....	21	6041.90	Flexible Vertebral Column with Femur Heads, Muscle Insertions, Removable Sacral Crest.....	59
6030.02	Frontal and Median Section of Head (relief model).....	21	6041.91	Model of Pelvis with 4th and 5th Lumbar Vertebrae .....	60
6030.03	Head Dissection, 4 Parts .....	21	6041.92	Model of Pelvis with 4th and 5th Lumbar Vertebrae with Femur Heads .....	60
6030.04	Half Head Life Size .....	21	6041.93	Dental Hygiene Model .....	67
6030.05	Arteries of Head, Nerves of Head, Veins of Head Set of 3.....	22			
6030.07	Arteries of Head.....	22			
6030.08	Nerves of Head.....	22			
6030.09	Veins of Head .....	22			
6030.10	Head and Neck Musculature.....	23			
6030.11	Head with Pharynx Muscles .....	23			



CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION	PAGE
6041.94	Lower Molar with Caries.....	66	6090.24	Gastric diseases.....	41
6041.95	Flexible Spinal Column with Colour Coded Regions.....	59	6090.26	Indirect Inguinal Hernia.....	43
6041.97	Mini Skull .....	61	6090.28	Structure of the stomach wall .....	40
6042.01	Knee Joints Set .....	63	6090.29	Pathological Model of Colon and Rectum.....	42
6042.03	Hip joint .....	63	6090.30	Tongue and tongue tissue .....	30
6042.04	Human Disarticulated Skeleton, full .....	55	6110.01	Organs of the Endocrine System.....	52
6042.06	Human Disarticulated Skeleton, half.....	55	6110.02	Thalamus 2 Parts .....	28
6042.26	Baby Skull .....	62	6110.03	Thalamus, 5 Parts .....	28
6042.27	Miniature Joints .....	63	6110.04	Thalamus, 7 Parts .....	28
6042.28	Mini Skeleton with joints.....	57	6110.06	Thyroid Diseases, 4 Parts.....	52
6042.29	Coloured Skull, 3 Parts .....	61	6120.02	Human Respiratory System with Magnified Alveolus.....	32
6042.30	Elbow joint.....	63	6120.03	Nasal Cavity .....	34
6042.31	Skull with Blood Vessels, 3 Parts.....	62	6120.05	Segmental Lungs .....	32
6042.32	Permanent teeth .....	66	6120.06	Nasal Cavity, 3 Parts .....	34
6042.33	Deciduous teeth .....	66	6120.07	Left and Right Lungs.....	32
6042.34	3 Lumbar Vertebrae with Hernia and Prolapsed Intervertebral Disc.....	64	6120.10	Model of Segmental Bronchi.....	34
6042.35	2 Lumbar Vertebrae with Hernia and Prolapsed Intervertebral Disc.....	64	6120.11	Larynx Model, 2 Times Enlarged, 5 Parts .....	33
6070.02	Human Heart, 2 Parts.....	35	6120.12	Pathological Model of the Lung.....	33
6070.04	Human Blood Cells .....	35	6120.13	Pathological Model of the Bronchi.....	33
6070.05	Giant Heart, 4 Parts.....	35	6120.15	Human Respiratory System, 7 Parts.....	32
6070.07	Human Circulatory System, 1/2 natural size, Parts.....	36	6120.19	Larynx, life size, 2 Parts .....	33
6070.10	Atherosclerosis and Thrombosis Model.....	35	6120.20	Trachea section .....	34
6070.11	Heart Hypertrophy .....	37	6140.01	Median Section of Male and Female Urinary Tracts.....	46
6070.12	Effects of Hypertension, 5 parts .....	36	6140.05	Male Urinary Bladder with Prostate, 2 Parts .....	46
6070.14	Effects of Diabetes, 5 parts.....	52	6140.06	Kidney with Adrenal Gland, 3X life size.....	45
6070.15	Introductory coronary bypass.....	37	6140.07	Kidney with Adrenal Gland, life size, 2 Parts.....	44
6070.16	Human heart with thymus.....	37	6140.11	Kidney with Adrenal Gland, 1.5 Times Enlarged, 2 parts.....	44
6070.17	Human heart, 4 parts, 2X life size.....	37	6140.12	Urinary System, 5 Parts .....	46
6070.19	Structure of artery and vein .....	36	6140.13	Pathological Model of Renal Calculus.....	45
6090.01	Human Digestive System, 3 Parts .....	38	6140.14	Kidney Section with Renal Nephron and Renal Corpuscle .....	44
6090.03	Stomach, life size, 2 Parts .....	40	6140.17	Nephron Diseases .....	45
6090.05	Liver, life size .....	39	6160.01	Brain with Arteries, 2 Parts .....	24
6090.07	Liver with Gallbladder, Pancreas and Duodenum ....	39	6160.03	Thoracic Vertebrae with Spinal Cord .....	24
6090.08	Human Anus Model .....	43	6160.06	Reflex Arc.....	28
6090.11	Pancreas, Duodenum and Spleen .....	39	6160.07	Cranial and Autonomic Nerves, 2 Parts .....	22
6090.12	Caecum and Appendix .....	42	6160.09	5th Cervical Vertebra .....	27
6090.13	Stomach, 1.5X life size, 2 Parts.....	40	6160.10	Regional Brain, 2 Parts.....	24
6090.14	Liver, Pancreas and Duodenum.....	39	6160.12	Cerebellum, 2 Parts .....	27
6090.16	Liver Section with Gallbladder.....	38	6160.13	Nerves of Neck Region .....	28
6090.17	Pathological Model of Esophagus.....	43	6160.14	Brain with Arteries, 9 Parts .....	24
6090.18	Pathological Model of the Rectum.....	41	6160.15	Brainstem, cerebellum and fourth ventricle .....	25
6090.19	Pathological Model of the Liver.....	38	6160.16	Basal Nuclei and internal Capsule.....	25
6090.20	Stomach and Associated Organs of the Upper Abdomen, 6 Parts.....	41	6160.17	Diencephalon .....	25
6090.23	Pathological Model of the Pancreas, Duodenum and Gallbladder .....	42	6160.18	Brainstem nuclei and hypothalamus.....	25
			6160.20	Cranial Layers.....	27
			6160.22	Ventricles and basal nuclei .....	26

CODE	DESCRIPTION	PAGE	CODE	DESCRIPTION	PAGE
6160.23	Brainstem, enlarged 3 times .....	26	6232.03	Cell Meiosis Model .....	82
6160.24	Brain Pathologies .....	27	6233.01	Various Types of Viruses, Set of 4 .....	76
6160.27	Neuron, 2 parts .....	26	6233.02	Tobacco Mosaic Virus .....	76
6160.28	Nervous system .....	26	6233.03	Adenovirus .....	76
6180.01	Fetal Development .....	49	6233.04	Bacteriophage .....	76
6180.02	Spermatogenesis .....	49	6233.05	HIV Virus (virus responsible for AIDS) .....	76
6180.03	Female Pelvis, 3 Parts.....	48	6250.10	Chromosome model.....	81
6180.04	Male Pelvis, 4 Parts .....	48	6250.11	Double Helix DNA 12 Bp Model (1 turn) .....	81
6180.05	Periodic Changes of Female Hormones and Internal Layer of Uterus.....	52	6250.12	Double Helix DNA 24 Bp Model (2 turns) .....	81
6180.09	Internal Female Reproductive Organs .....	47	6280.12	Hydra Model, 4 parts .....	77
6180.10	Male reproductive system .....	47	6280.14	Paramecium model .....	83
6180.11	Female Pelvis with 8-Week Embryo, 3 Parts .....	48	6280.50	Rat dissection model .....	83
6180.12	Testis, 3.5X life size .....	51	6280.51	Fish model .....	84
6180.14	Male Genital Organ, 4 Parts.....	47	6280.53	Frog.....	84
6180.15	Female Genital Organs, 4 Parts.....	47	6280.54	Hen .....	84
6180.19	Normal and Diseased Prostate Gland.....	51	6280.55	Amphioxus.....	83
6180.20	Pathological Model of the Female genital organs.....	51	6280.56	Comparative tapeworm model .....	83
6180.21	Pathological Model of the Male Urogenital System.....	51	6300.15	Corn Seed Model, 2 parts .....	77
6180.22	Pregnancy Pelvis with Mature Fetus, 2 Parts.....	49	6310.01	Dicot Arboreus Stem Section (Tilia) .....	80
6180.24	Human Embryo, 4th-Week .....	48	6310.02	Dicot Herbaceous Stem Section (Heliantus annuus).....	80
6180.27	Diseases of the urinary bladder and prostate .....	45	6310.03	Gymnosperm Stem (Pinus Silvestris) .....	79
6180.28	Pregnancy model set.....	50	6310.04	Monocot Stem Section (Zea Mays).....	79
6180.29	Female pelvic cavity.....	50	6310.06	Hermaphrodite dicot flower .....	78
6180.31	Ovary structure .....	49	6310.07	Dicot Root Section (Leguminosae) .....	79
6180.32	Prostate model.....	50	6310.08	Monocot root (Zea Mays) .....	78
6202.00	Skin Model, 70X life size.....	53	6310.09	Dicot leaf.....	78
6202.02	Skin Section .....	53	6310.10	Monocot Leaf Section (Zea Mays).....	80
6202.03	Pathological Model of the Skin.....	54	6310.11	Chloroplast .....	78
6202.05	Pathological Model of Burned Skin.....	53	6330.10	NG & Tracheostomy Teaching Torso .....	70
6202.08	Hairy and hairless skin model.....	53	6370.08	Skin model, 35X life size .....	54
6210.01	Eye, 6 Parts.....	30	6700.00-11	The human skeleton .....	86
6210.02	Eye with Orbit, 4 Parts .....	29	6701.00-11	The human musculature .....	86
6210.03	Eye with Orbit, 11 Parts.....	29	6702.00-11	The human skull .....	86
6210.04	Eye in orbit with eyelid.....	29	6703.00-11	The vascular system .....	87
6220.03	Ear Ossicles .....	30	6704.00-11	The lymphatic system .....	87
6220.04	Labyrinth, 2 Parts .....	30	6705.00-11	The nervous system .....	87
6220.05	Cochlear Duct and Organ of Corti .....	31	6706.00-11	The digestive system .....	87
6220.08	Ear 3 Parts.....	31	6707.00-11	The urinary system .....	88
6220.09	Ear, 5 Parts.....	31	6708.00-11	Pregnancy .....	88
6220.10	Ear Diseases.....	31	6709.00-11	The human brain .....	88
6220.11	Cochlea and Corti's Organ .....	30	6710.00-11	The respiratory system.....	88
6220.12	Ear, 4 parts.....	31	6711.00-11	The human heart.....	89
6220.13	Ear, 6 parts.....	31	6712.00-11	The human ear .....	89
6231.01	Plant Cell .....	77	6713.00-11	The human eye.....	89
6231.02	Animal cell .....	81	6714.00-11	The human teeth.....	89
6231.03	Bacterium .....	76			
6232.02	Cell Mitosis Model.....	82			



DESCRIPTION	CODE	PAGE	DESCRIPTION	CODE	PAGE
<b>A</b>			<b>D</b>		
Acupuncture model.....	6000.46	70	Deciduous Teeth Model.....	6041.54	65
Adenovirus .....	6233.03	76	Deciduous teeth.....	6042.33	66
Advanced Osteoporosis Model .....	6041.80	64	Dental Caries Model.....	6041.70	67
Amphioxus .....	6280.55	83	Dental Hygiene Model.....	6041.93	67
Anatomy of the Foot.....	6000.35	69	Dental Pathology Model.....	6041.71	65
Anatomy of the Hand, 3 Parts .....	6000.37	68	Dicot Arboreus Stem Section (Tilia).....	6310.01	80
Anatomy of the Neck.....	6030.13	17	Dicot Herbaceous Stem Section		
Animal cell .....	6231.02	81	(Heliantus annuus).....	6310.02	80
Arteries of Head.....	6030.07	22	Dicot leaf .....	6310.09	78
Arteries of Head, Nerves of Head,			Dicot Root Section (Leguminosae) .....	6310.07	79
Veins of Head Set of 3.....	6030.05	22	Diencephalon .....	6160.17	25
Atherosclerosis and Thrombosis Model.....	6070.10	35	Disc head.....	6030.15	23
Atlas, Axis and Occipital Bone.....	6041.52	63	Diseases of the urinary bladder and prostate.....	6180.27	45
<b>B</b>			Double Helix DNA 12 Bp Model (1 turn) .....	6250.11	81
Baby Skull.....	6042.26	62	Double Helix DNA 24 Bp Model (2 turns).....	6250.12	81
Bacteriophage .....	6233.04	76	Dust cover .....	6041.00	55
Bacterium .....	6231.03	76	<b>E</b>		
Basal Nuclei and internal Capsule .....	6160.16	25	Ear 3 Parts .....	6220.08	31
Bones of the Foot.....	6041.40	61	Ear, 4 parts .....	6220.12	31
Bones of the Hand and Forearm .....	6041.21	60	Ear, 5 Parts.....	6220.09	31
Bones Structure .....	6041.04	60	Ear, 6 parts .....	6220.13	31
Brain Pathologies .....	6160.24	27	Ear Diseases.....	6220.10	31
Brainstem, cerebellum and fourth ventricle.....	6160.15	25	Ear Ossicles .....	6220.03	30
Brainstem, enlarged 3 times .....	6160.23	26	Effects of Diabetes, 5 parts.....	6070.14	52
Brainstem nuclei and hypothalamus.....	6160.18	25	Effects of Hypertension, 5 parts .....	6070.12	36
Brain with Arteries, 2 Parts .....	6160.01	24	Elbow joint.....	6042.30	63
Brain with Arteries, 9 Parts .....	6160.14	24	Eye, 6 Parts.....	6210.01	30
Budget Sexless torso, 12 parts .....	6000.61	6	Eye in orbit with eyelid .....	6210.04	29
<b>C</b>			Eye with Orbit, 4 Parts .....	6210.02	29
Caecum and Appendix .....	6090.12	42	Eye with Orbit, 11 Parts.....	6210.03	29
Cell Meiosis Model.....	6232.03	82	<b>F</b>		
Cell Mitosis Model.....	6232.02	82	Female Genital Organs, 4 Parts.....	6180.15	47
Cerebellum, 2 Parts .....	6160.12	27	Female pelvic cavity .....	6180.29	50
Cervical Spinal Column.....	6041.85	64	Female Pelvis, 3 Parts .....	6180.03	48
5 <sup>th</sup> Cervical Vertebra.....	6160.09	27	Female Pelvis with 8-Week Embryo, 3 Parts .....	6180.11	48
Chloroplast.....	6310.11	78	Female Perineum .....	6000.14	16
Chromosome model.....	6250.10	81	Female Skeletal Pelvis .....	6041.12	60
Cochlea and Corti's Organ.....	6220.11	30	Fetal Development.....	6180.01	49
Cochlear Duct and Organ of Corti.....	6220.05	31	Fish model .....	6280.51	84
Coloured Skull, 3 Parts .....	6042.29	61	Flexible Spinal Column		
Comparative tapeworm model .....	6280.56	83	with Colour Coded Regions .....	6041.95	59
Corn Seed Model, 2 parts .....	6300.15	77	Flexible Vertebral Column .....	6041.06	58
Cranial and Autonomic Nerves, 2 Parts.....	6160.07	22	Flexible Vertebral Column with Femur Heads.....	6041.07	58
Cranial Layers .....	6160.20	27	Flexible Vertebral Column with Femur Heads		
			and Muscle Insertions .....	6041.08	58

DESCRIPTION	CODE	PAGE	DESCRIPTION	CODE	PAGE
Flexible Vertebral Column with Femur Heads, Muscle Insertions, Removable Sacral Crest.....	6041.90	59	Hydra Model, 4 parts .....	6280.12	77
Flexible Vertebral Column with Open Sacrum and Femur Heads.....	6041.10	59	Hyoid Bone .....	6041.56	63
Flexible Vertebral Column with Removable Sacral Crest.....	6041.09	58	<b>I</b>		
Frog .....	6280.53	84	Incisor, Canine and Molar.....	6041.82	67
Frontal and Median Section of Head (relief model).....	6030.02	21	Indirect Inguinal Hernia.....	6090.26	43
<b>G</b>			Internal Female Reproductive Organs.....	6180.09	47
Gastric diseases.....	6090.24	41	Introductory coronary bypass .....	6070.15	37
Giant Heart, 4 Parts .....	6070.05	35	<b>K</b>		
Gymnosperm Stem (Pinus Silvestris).....	6310.03	79	Kidney Section with Renal Nephron and Renal Corpuscle .....	6140.14	44
<b>H</b>			Kidney with Adrenal Gland, 1.5 Times Enlarged, 2 parts.....	6140.11	44
Hair model .....	6000.41	54	Kidney with Adrenal Gland, 3X life size .....	6140.06	45
Hairy and hairless skin model .....	6202.08	53	Kidney with Adrenal Gland, life size, 2 Parts.....	6140.07	44
Half Head Life Size .....	6030.04	21	Knee Joint .....	6041.81	63
Hand Bones .....	6041.20	61	Knee Joints Set.....	6042.01	63
Head and Neck Musculature.....	6030.10	23	<b>L</b>		
Head Dissection, 4 Parts.....	6030.03	21	Labyrinth, 2 Parts .....	6220.04	30
Head with Pharynx Muscles.....	6030.11	23	Larynx, life size, 2 Parts .....	6120.19	33
Heart Hypertrophy.....	6070.11	37	Larynx Model, 2 Times Enlarged, 5 Parts .....	6120.11	33
Hen .....	6280.54	84	Left and Right Lungs.....	6120.07	32
Hermaphrodite dicot flower .....	6310.06	78	Liver, life size .....	6090.05	39
Hip joint .....	6042.03	63	Liver, Pancreas and Duodenum.....	6090.14	39
HIV Virus (virus responsible for AIDS) .....	6233.05	76	Liver Section with Gallbladder .....	6090.16	38
Human Anus Model .....	6090.08	43	Liver with Gallbladder, Pancreas and Duodenum .....	6090.07	39
Human Blood Cells.....	6070.04	35	Lower Jaw, 6 Parts.....	6041.60	65
Human Circulatory System, 1/2 natural size, Parts.....	6070.07	36	Lower Molar with Caries.....	6041.94	66
Human Digestive System, 3 Parts .....	6090.01	38	Lumbar Spinal Column with Sacral and Coccyx Bones .....	6041.87	64
Human Disarticulated Skeleton, full .....	6042.04	55	2 Lumbar Vertebrae with Hernia and Prolapsed Intervertebral Disc.....	6042.35	64
Human Disarticulated Skeleton, half.....	6042.06	55	3 Lumbar Vertebrae with Hernia and Prolapsed Intervertebral Disc.....	6042.34	64
Human Embryo, 4th-Week .....	6180.24	48	<b>M</b>		
Human Heart, 2 Parts .....	6070.02	35	Male Genital Organ, 4 Parts .....	6180.14	47
Human heart, 4 parts, 2X life size .....	6070.17	37	Male Pelvis, 4 Parts .....	6180.04	48
Human heart with thymus .....	6070.16	37	Male Perineum .....	6000.15	16
Human Muscular Skeleton .....	6041.03	56	Male reproductive system .....	6180.10	47
Human Muscular Skeleton, (hanging) .....	6041.78	57	Male Skeletal Pelvis .....	6041.13	60
Human muscular skull, 3 parts.....	6041.55	61	Male Urinary Bladder with Prostate, 2 Parts .....	6140.05	46
Human Respiratory System, 7 Parts.....	6120.15	32	Median Section of Head (relief model).....	6030.01	21
Human Respiratory System with Magnified Alveolus .....	6120.02	32	Median Section of Male and Female Urinary Tracts .....	6140.01	46
Human Skeleton.....	6041.02	56	Mediastinum, 6 parts.....	6000.45	16
Human Skeleton, (hanging) .....	6041.77	57	Miniature Joints .....	6042.27	63
Human Skull, 3 Parts .....	6041.50	62			
Human Skull, 3 parts (numbered).....	6041.79	62			
HUMAN Torso CD-Rom Guide.....	6000.30	15			



DESCRIPTION	CODE	PAGE	DESCRIPTION	CODE	PAGE
Mini Muscular Figure .....	6000.57	18	Pathological Model of Esophagus.....	6090.17	43
Mini Skeleton.....	6041.84	56	Pathological Model of Renal Calculus.....	6140.13	45
Mini Skeleton with joints .....	6042.28	57	Pathological Model of the Bronchi .....	6120.13	33
Mini Skull .....	6041.97	61	Pathological Model		
Mini Torso Dual-Sex, 16 Parts .....	6000.23	14	of the Female genital organs.....	6180.20	51
Mini Torso Dual-Sex, 16 Parts .....	6000.33	14	Pathological Model of the Liver .....	6090.19	38
Mini Torso Dual-Sex, 16 Parts .....	6000.34	14	Pathological Model of the Lung.....	6120.12	33
Mini Torso Sexless, 12 Parts.....	6000.03	14	Pathological Model		
Model of Pelvis with 4th			of the Male Urogenital System .....	6180.21	51
and 5th Lumbar Vertebrae .....	6041.91	60	Pathological Model of the Pancreas,		
Model of Pelvis with 4th			Duodenum and Gallbladder.....	6090.23	42
and 5th Lumbar Vertebrae with Femur Heads .....	6041.92	60	Pathological Model of the Rectum .....	6090.18	41
Model of Segmental Bronchi.....	6120.10	34	Pathological Model of the Skin.....	6202.03	54
Model of Shoulder with Deep Muscle .....	6000.21	17	Periodic Changes of Female Hormones		
Monocot Leaf Section (Zea Mays).....	6310.10	80	and Internal Layer of Uterus .....	6180.05	52
Monocot root (Zea Mays).....	6310.08	78	Permanent teeth .....	6042.32	66
Monocot Stem Section (Zea Mays).....	6310.04	79	Permanent Teeth Model.....	6041.53	65
Muscles of Foot.....	6000.12	69	Plant Cell .....	6231.01	77
Muscles of Hand, 4 Parts .....	6000.08	68	Pregnancy.....	6708.00-11	88
Muscles of the Arm.....	6000.07	20	Pregnancy model set.....	6180.28	50
Muscles of the Human Arm, 7 Parts.....	6000.31	20	Pregnancy Pelvis with Mature Fetus, 2 Parts.....	6180.22	49
Muscles of the Human Leg, 13 Parts.....	6000.36	19	Prostate model.....	6180.32	50
Muscles of the human leg, 23 parts.....	6000.39	19			
Muscular body .....	6000.58	18	<b>R</b>		
Muscular Figure, 30 Parts.....	6000.56	18	Rat dissection model .....	6280.50	83
Muscular Torso Dual-Sex Open Back, 28 Parts.....	6000.53	12	Reflex Arc .....	6160.06	28
Muscular Torso Naturelle .....	6000.54	5	Regional anatomy of hand, 7 parts.....	6000.38	68
			Regional Anatomy of the Foot.....	6000.09	69
<b>N</b>			Regional anatomy of the hand, 7 parts .....	6000.38	68
Nasal Cavity, 3 Parts .....	6120.06	34	Regional Brain, 2 Parts .....	6160.10	24
Nasal Cavity.....	6120.03	34			
Nephron Diseases.....	6140.17	45	<b>S</b>		
Nerves of Head.....	6030.08	22	Sacrum with Coccyx .....	6041.14	61
Nerves of Neck Region.....	6160.13	28	Schematic Cross Section through Abdomen (T12).....	6000.16	17
Nervous system .....	6160.28	26	Schematic Cross Section through Thorax (T8) ....	6000.20	17
Neuron, 2 parts .....	6160.27	26	Section of Foot.....	6000.11	69
NG & Tracheostomy Teaching Torso.....	6330.10	70	Segmental Lungs .....	6120.05	32
Normal and Abnormal Feet, Set of 3 .....	6000.10	69	Shoulder Joint.....	6041.30	63
Normal and Diseased Prostate Gland .....	6180.19	51	Skeletal Muscle Fiber.....	6000.32	20
			Skeleton of Human Trunk .....	6041.83	59
<b>O</b>			Skeleton of Lower Limb with Half Pelvis.....	6041.41	60
Oral Hygiene Model.....	6041.05	67	Skin Model, 70X life size .....	6202.00	53
Organs of the Endocrine System.....	6110.01	52	Skin model, 35X life size .....	6370.08	54
Ovary structure.....	6180.31	49	Skin Section.....	6202.02	53
			Skull with Blood Vessels, 3 Parts.....	6042.31	62
<b>P</b>			Spermatogenesis .....	6180.02	49
Pancreas, Duodenum and Spleen .....	6090.11	39	Stomach, 1.5X life size, 2 Parts .....	6090.13	40
Paramecium model.....	6280.14	83	Stomach and Associated Organs		
Pathological Model of Burned Skin .....	6202.05	53	of the Upper Abdomen, 6 Parts.....	6090.20	41
Pathological Model of Colon and Rectum .....	6090.29	42	Stomach, life size, 2 Parts .....	6090.03	40



DESCRIPTION	CODE	PAGE
-------------	------	------

Structure of artery and vein.....	6070.19	36
Structure of the stomach wall.....	6090.28	40

**T**

Testis, 3.5X life size.....	6180.12	51
Thalamus 2 Parts .....	6110.02	28
Thalamus, 5 Parts.....	6110.03	28
Thalamus, 7 Parts.....	6110.04	28
The digestive system.....	6706.00-11	87
The human brain.....	6709.00-11	88
The human ear.....	6712.00-11	89
The human eye .....	6713.00-11	89
The human heart.....	6711.00-11	89
The human musculature .....	6701.00-11	86
The human skeleton .....	6700.00-11	86
The human skull .....	6702.00-11	86
The human teeth.....	6714.00-11	89
The lymphatic system .....	6704.00-11	87
The nervous system .....	6705.00-11	87
The respiratory system .....	6710.00-11	88
The urinary system.....	6707.00-11	88
The vascular system.....	6703.00-11	87
Thoracic Spinal Column.....	6041.86	64
Thoracic Vertebrae with Spinal Cord.....	6160.03	24
Thyroid Diseases, 4 Parts.....	6110.06	52
Tobacco Mosaic Virus .....	6233.02	76
Tongue and tongue tissue.....	6090.30	30
Torso dual-sex, 25 Parts.....	6000.00	9
Torso Dual-Sex Open Back, 27 Parts .....	6000.50	11
Torso Sexless, 16 Parts.....	6000.51	7
Torso Sexless, 18 Parts.....	6000.25	8
Torso sexless open back, 17 Parts.....	6000.52	10
Torso without head .....	6000.62	6
Trachea section.....	6120.20	34

**U**

Urinary System, 5 Parts .....	6140.12	46
-------------------------------	---------	----

**V**

Various Types of Viruses, Set of 4 .....	6233.01	76
Veins of Head.....	6030.09	22
Ventricles and basal nuclei.....	6160.22	26



99



*Crafted for your world.*

**Do you now that while buying Altay's products you are selecting:**

▶ **HIGH QUALITY**

Altay's anatomical models are made durable polyvinyl resin and hands painted by skilled craftsmen. This ensures durability as well as natural look.

▶ **SCIENTIFIC PERFECTION**

▶ **THREE YEAR GUARANTEE ON ALL ALTAY PRODUCTS**

▶ **100% SATISFACTION GUARANTEED**

you may return the products within 15 days for replacement

▶ **BEST VALUE**

Altay offers the best quality for the price available anywhere

▶ **PROMPT DELIVERY**

Most of our products are shipped from Italian stock

▶ **ENVIRONMENTAL FRIENDLY PRODUCTS**

Critical to our success are the many professional relationships that we maintain with teachers and professors at important educational institutions such as The University of Bologna, Bologna/Italy, Fondazione Umberto Veronesi and The University of Rome "La Sapienza", Rome/Italy.



**SAPIENZA**  
UNIVERSITÀ DI ROMA



**ALMA MATER STUDIORUM**  
UNIVERSITÀ DI BOLOGNA





### **Altay Scientific Group**

#### **Headquarters:**

Via Maremmana III, 7b  
00030 San Cesareo (Rome) Italy  
Phone: + 39 06 94 55 01  
Fax: + 39 06 94 55 00 15  
[info@altayscientific.com](mailto:info@altayscientific.com)  
[www.altayscientific.com](http://www.altayscientific.com)

### **Merkim Group**

#### **Headquarters:**

861 Sk. No.72 K.5 D.501  
Konak/İzmir/TÜRKİYE  
Phone: + 90 232 446 27 46  
Fax: + 90 232 425 21 97  
[gurcantuzcu@merkim.com.tr](mailto:gurcantuzcu@merkim.com.tr)  
[www.merkim.com.tr](http://www.merkim.com.tr)