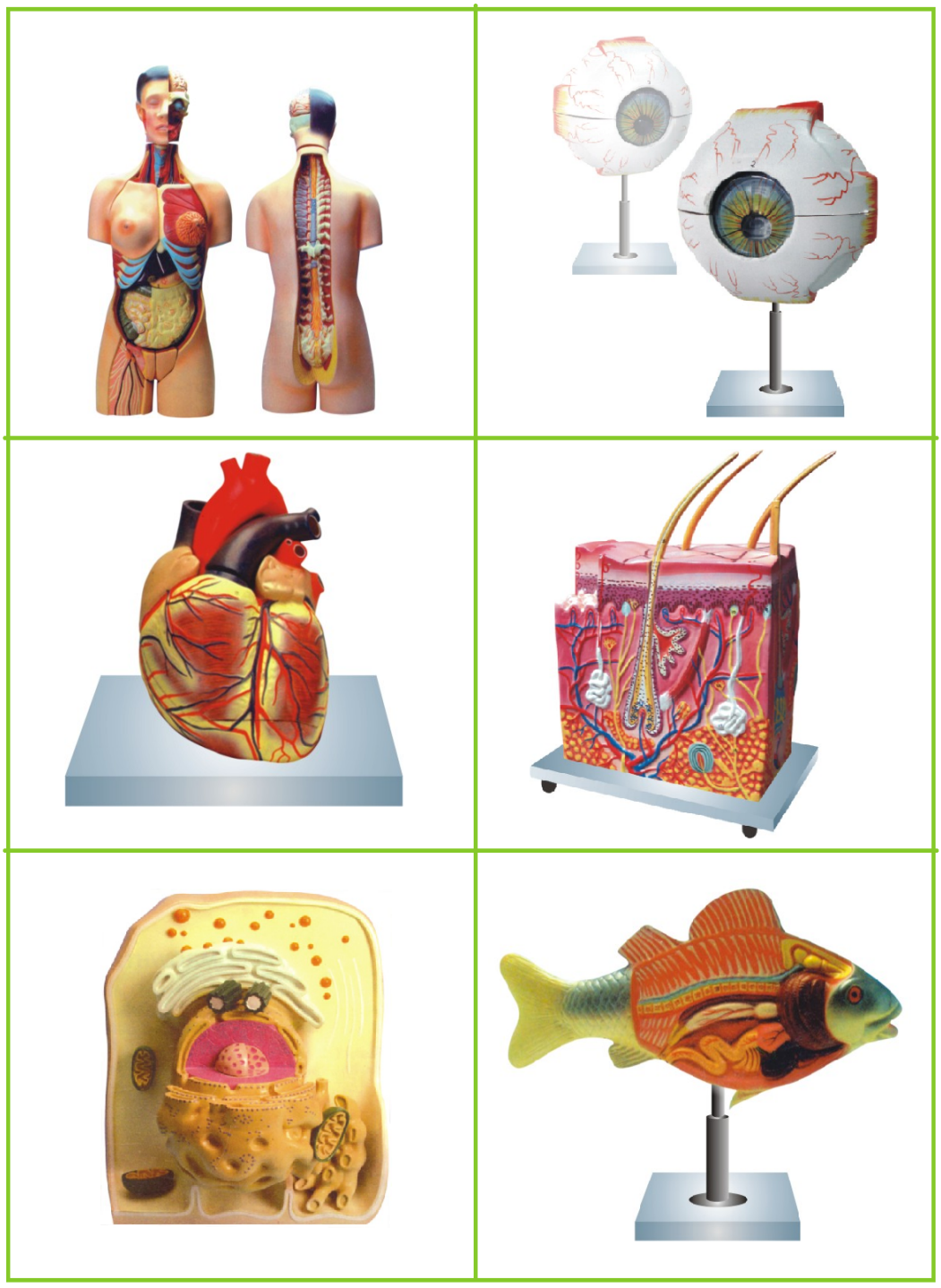
BIOLOGY CATALOGUE

(2016-17)

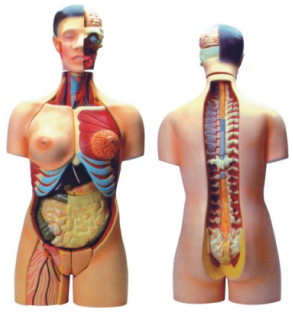


Radical Scientific Equipment Pvt. Ltd.

HUMAN TORSO

BR-051 DUAL SEX TORSO WITH INTERCHANGEABLE SEX ORGANS – 24 PARTS

- This life size model of a human torso comes complete with removable male and female genital inserts, an opened back section to study vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, etc.
- This detailed human torso model is truly for advanced demonstrations in biology or medical settings.



The following parts of the deluxe human torso are removable:

- Half brain
- Head
- 7th thoracic vertebra
- Female breast with rib insertions
- Eye with optic nerve
- Eye with optic nerve
- 2 lungs
- 2-part heart
- Stomach
- Liver with gall bladder
- Large and small intestine with appendix flap opening and cover-4 parts
- Front half of kidney
- 4-part male genital insert
- 3-part female genital insert with fetus in the third month of pregnancy.

It is mounted on a base and numbered with an English key card.

BR-052 Unisex Torso With Head

- This life size unisex torso comes with 10 removable parts.

The removable parts include:



- Brain-1 half
- Eye with optic nerve
- Heart-2 parts
- 2 Lungs
- Liver with gall bladder
- Stomach
- Small and large
- Intestines-1 part

It is mounted on a base and numbered with an English key card.

BR-053 Classic Unisex Torso – 12 Parts

- This life size torso is hand painted true to detail and is a very valuable educational tool.

The following components are removable:

- Eye with optic nerve
- Half brain
- Heart-2 parts
- Lungs-2 parts
- Liver with gall bladder
- Stomach
- Front half of kidney
- Front half of the bladder
- Large and small intestines-1 part



It is mounted on a base and numbered with an English key card.

BR-056 Classic Unisex Torso With Open Back, 17 Parts

- This human torso has the unique feature of an open neck and back section going from the cerebellum to the coccyx.
- Vertebrae, intervertebral discs, spinal cord, spinal nerves, vertebral arteries, and many other features are represented in detail is this life size replica of the human anatomy.
- **The following components are removable:**
  - Brain-2 halves
  - Eye with muscles and the optic nerve
  - 2-part stomach
  - 2 Lungs
  - 2-part heart
  - Liver with gall bladder
  - Small and large intestines-2 parts
  - Appendix flap
  - Kidney half
  - Bladder half
  - Open back



- It is mounted on a base and numbered with an English key card.

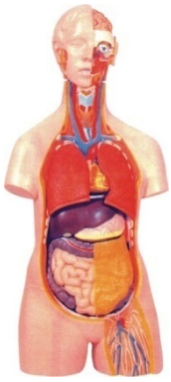
BR-057 Classic Human Unisex Torso-10 Parts

- This 10 part anatomically correct human torso is an educational tool of true quality.
- The unisex torso is hand-painted true to detail.

The following components of this unisex torso are removable:

  - 2-part head
  - 2-part removable heart
  - 2 lungs
  - Stomach
  - Liver with gall bladder
  - Front half of kidney

- This is a great human anatomy educational tool and makes learning the location of the human organs easy.
- It is delivered on a base and numbered with an English key card.



BR-058 Unisex Torso, Half Size-9 Parts

- This model is approximately 50 cm in height.
- The brain can be seen after removing the skullcap.
- **It is dissectible into:**
  - Brain-2 halves
  - 2 Lungs
  - Heart
  - Stomach
  - Liver with the gall bladder
  - Small and Large Intestines-1 part.
- It is provided on a base and numbered with an English key card.

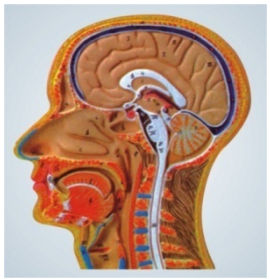
BR-059 Miniature Human Female Torso With Head

- This model of the human female torso is approximately 45cm in height.
- Superficial muscles are shown on the left side of the torso.
- **The following components of the torso are removable:**
  - Brain half
  - Eye with optic nerve
  - 2 Lungs
  - Heart-2 parts
  - Stomach
  - Liver with the gall bladder
  - Intestines-1 part
  - Female genitalia- 2 parts.
- It is provided on a base and numbered with an English key card.

HEAD &NECK & BRAIN MODELS

BR-060 Hemisection of the Head and Neck

- This is a life size relief model of the hemi section of the head and neck.

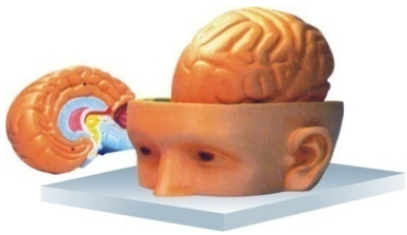


- **This high quality model depicts the anatomical details of various structures including the:**
  - Brain with its cerebrum, cerebellum, brain stem, third and fourthventricle
  - Oral cavity with the tongue, hard and soft palate, mandible
  - Nasal cavity with the conchae
  - Various Sinuses like the superior sagittal sinus, straight sinus, frontal sinus, sphenoid sinus
- Pharynx, Larynx, trachea, epiglottis, esophagus, vertebral column.
- The model is mounted on a base and numbered with an English key card.

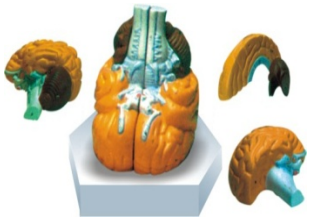
BR-061 Human Head and Brain Model – 3 Parts

- This model shows the human brain dissectable into 2 parts along the median section.
- **Contrasting colors are used to indicate various anatomic structures in the human brain including the:**
  - Cerebrum with its frontal, parietal, temporal and occipital lobes. Also the sulci and gyri are seen
  - Cerebellum
  - Pons, Medulla oblongata and the upper part of spinal cord, forming the brain stem
  - Corpus callosum
  - Fornix
  - Lamina quadrigemina
  - Thalamus
  - Various nerves, such as the Optic and occulomotor.
  - Third and fourth ventricles
  - Hypophyses and various other structures.
- The model is provided on a base and numbered with an English Key Card.

A life size model of the human head is mounted on the base.



BR-062 Human Brain Model – 4 Parts



- This 4 part model of the human brain is medially divided.
- The brain's right half can be disassembled into:
  - Frontal with parietal lobes
  - Brain stem with temporal and occipital lobes and Half of cerebellum.
- The model is provided on a base and numbered with an English key card.

BR-064 HUMAN BRAIN MODEL-8 PARTS

- A very detailed model of the human brain which is medially divided.
  Both halves of this brain can be disassembled into:
  - Frontal with parietal lobes
  - Temporal with occipital lobes
  - Half of brain stem
  - Half of cerebellum
- This brain model is a great educational tool for teaching and learning about the human nervous system and anatomy of the brain.
- The model is delivered on a base numbered with an English key card.

BR-064 Human Brain Model with arteries-8 Parts

- This brain model comes with an opened head to allow detailed study of the brain's position in the skull.
- The human head is horizontally divided above the skull base.
- This medially divided deluxe brain model shows the brain arteries in detail and the basilar artery is removable.
- **Both halves of this brain model can be disassembled into:**
  - Frontal with parietal lobes
  - Temporal with occipital lobes
  - Half of brain stem
  - Half of cerebellum
- The model is delivered on a removable base and numbered with an English key card.

BR-065 Human Head and Brain Model with the base of the skull details– 3 Parts

- This life size model of the human head with brain is divisible into 3 parts.
- The entire brain is removable revealing the base of the skull with its details including the various bones, sutures, foramina, sinuses, etc.
- The brain is divisible medially into 2 halves depicting the detailed anatomy of the same; with the cerebrum, cerebellum, brain stem, corpus callosum, fornix, ventricles, and various other important structures.
- The model is mounted on a base and numbered with an English key card.



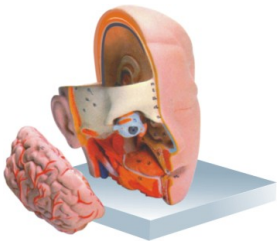
BR-066 Human Nose Model-L.S.

- This model is enlarged approx, 2 times.
- **The various structures that can be seen in great anatomical detail include the:**
  - Frontal and Sphenoid sinus
  - Superior, middle and inferior nasal conchae
  - External and internal naris
  - Nasopharynx and oropharynx
  - Larynx, Epiglottis, Trachea and Vertebral column
  - Hard and soft palate
  - Tongue and mandible
  - Hyoid bone etc.
- The model is provided on a base and numbered with an English key card.



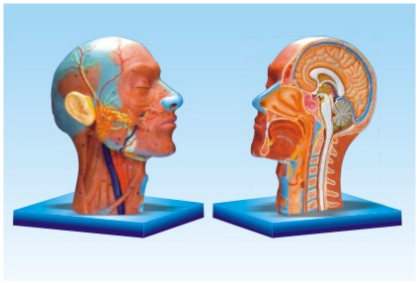
BR-067 Human Head With Brain Model – 3 Parts

- This life size 3 part model of the human head has a removable brain half with arteries.
- The eyeball with the optic nerve is also detachable.
- One side of this high quality model exposes the nose, mouth cavity, pharynx, occiput and skull base.
- The model is delivered on a base and numbered with an English key card.



BR-068 Model of Human Half Head and Neck with Musculature

- This life size model shows the outer and the inner (median section) structures of the head and neck.
- Outer structures seen include the superficial muscles, vessels, parotid gland and nerves.



- Details of the median section include the:
  - Brain with its cerebrum, cerebellum, brain stem
  - Oral cavity with the tongue, hard and soft palate,
  - Nasal cavity with the conchae
  - Various Sinuses
  - Pharynx, Larynx, trachea, epiglottis, esophagus, vertebral column.

The model is provided on a base and numbered with an English key card.

BR-069 Model of a dissection of the Right Side of the Neck

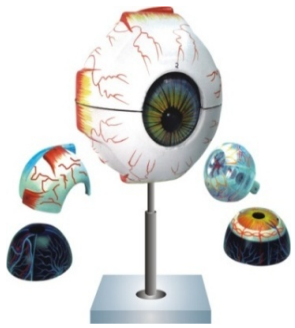
- This is a life size model showing the dissection of the right side of the neck.
- The brachiocephalic, right common carotid artery and its branches are clearly seen.
- Muscles of the region can be seen including the sternocleidomastoid, digastic, mylohyoid, sternohyoid, stylohyoid, omohyoid, trapezius, masseter and the scalene muscles.
- The brachial plexus, and the facial nerve with its subdivisions are seen too.
- Also the hyoid bone, parotid and the submandibular glands are visible.
- The model is delivered on a base and numbered with an English key card.



HUMAN EYE MODELS

BR-070 Human Eye Model, 3 Times Full Size-7 Parts

- At three times life size, this eye model is great for anatomical demonstrations.
- The human eyeball can be dissected into:
  - Both halves of sclera with cornea and eye muscle attachments
  - Both halves of the choroid with iris and retina
  - Eye lens
  - Vitreous body.
- This high quality model is great for studying the anatomy of the human eye.
- The model is mounted on a base with a stand and numbered with an English key card.



BR-071 Human Eye, 5 Times Full Size-7 Parts

- Removable parts of this anatomical human eye model include:
  - Both halves of the sclera with cornea and eye muscle attachments
  - Both halves of choroid with iris and retina
  - Eye Lens
  - Vitreous body
- Important anatomical features, such as the muscle insertions, optic nerve, blood vessels etc. are clearly visible.
- At 5 times the full size, this eye model is great for studying the anatomy of the human eye.
- The model is mounted on a base with a stand and numbered with an English key card.



BR-072 Human Eye, 5 Times Full Size-6 Parts

- The Giant Eye replica is a great tool to teach-learn the anatomy of the eye.
- Removable parts of the human eye model include:
  - Upper half of the sclerotic membrane with cornea and eye muscle attachments
  - Both halves of the choroid
  - Lens
  - Retina with the Vitreous body
  - Lower half of the sclerotic membrane.
- The gigantic high quality eye anatomy model is on a base mounted on a stand and numbered with an English key card.



BR-073 HUMAN EYE MODEL ON BONY BASE

- This model is enlarged 5 times.
- Its sectioned horizontally and separates into 6 parts:
  - Upper half of the sclerotic membrane with cornea and eye muscle attachments
  - Both halves of the choroid
  - Lens
  - Retina with the Vitreous body
  - Lower half of the sclerotic membrane.
- It is mounted on a base and numbered with an English key card.



BR-074 EYE IN BONY ORBIT

- This model is enlarged 3 times.
- It shows the eyeball with the optic nerve and muscles, in its natural position in the bony orbit.
- It is dissectible into 9 parts.
- The upper half of the eyeball is removable and dissects into 6 parts showing all anatomical details.
- Out of the six muscles controlling the eyeball, two are removable.
- It is mounted on a base and numbered with an English key card.

BR-075 Micro Anatomy of Eye

- The Model illustrates the microscopic anatomical structure of the retina with choroid and sclera.

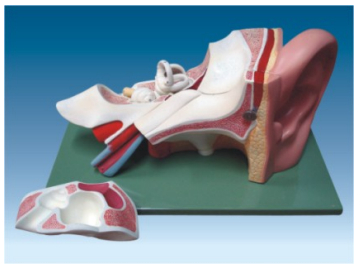


- The left block-like, layered side of the eye model shows the complete structure of the retina including the supplying vascular layer and parts of the sclera from a light microscopic view.
- The right part of the eye model is a sectional enlargement. It shows the microscopic structure of the photoreceptors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

HUMAN EAR MODELS

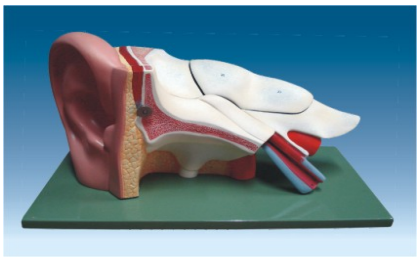
BR-076 Human Ear Model,2 times life size- 3 parts

- This model has been enlarged 2 times.
- This model clearly depicts the external, middle and the internal ear.
- This ear model is a great way to teach and study the anatomy of the human ear.
- It is dissectible into 3 parts.
- The ear Ossicles of the middle ear and the labyrinth of the inner ear are removable.
- The model is mounted on a base and numbered with an English key card.



BR-077 Giant Ear Model, 5 Times full size-3 parts

- This ear is a whopping 5 times life-size for easy viewing from anywhere in the classroom.
- The Giant ear model represents the outer, middle and inner ear.
- Auditory ossicles and labyrinth with cochlea and vestibule cochlear nerve are removable from the ear for more detailed anatomy study.
- It is delivered on a base for easy display and numbered with an English key card.



BR-078 Human Ear Model,4 times life size-5 Parts

- This model is enlarged approximately 4 times.
- The petrous portion of the temporal bone of the auditory canal is removable alongwith the labyrinth.
- Also the tympanic membrane with the three ear ossicles (malleus incus and stapes) can be removed.
- This model is delivered on a base for easy display in a classroom or a doctor's office, and numbered with an English key card.



BR-079 Human Ear Model, 3 Times life size – 6 Parts

- This high quality human ear model represents outer, middle and the inner ear.
- The model has a removable tympanic membrane(eardrum); with Malleus, Incus and stapes(the 3 ear ossicles); as well as the 2-part labyrinth with cochlea and auditory/balance nerve for detailed study of the anatomy of the human ear.
- Additionally the human ear includes the detail of two removable bone sections to close the middle and inner ear.
- The model is enlarged 3 times and dissects into 6 parts.
- This model is delivered on a base for easy display in a classroom or a doctor's office, and numbered with an English key card.



HUMAN TOOTH MODELS

BR-080 Human Tooth Model

- This model shows a mandibular molar tooth, dissectible longitudinally into 2 halves.
- It is mounted on a base with a stand and numbered with an English key card.
- Externally it demarcates the crown and the root portions of the tooth.
- Internally it depicts the Enamel, Dentin and the pulp cavity of the tooth.



BR-081 Maxillary Molar Tooth with Dental Caries

- This model is 15 times enlarged.
- Dissectible into 2 parts, depicting the longitudinal section of the tooth.
- It is mounted on a base with a stand and numbered with an English key card.
- It shows the progression of dental caries from the enamel, to the dentin and finally involving the pulp cavity.



BR-082 Maxillary Molar Tooth with Advanced Dental Caries (6 Parts)

- This model is 15 times enlarged.
- Dissectible into 6 parts, with removable pulp.
- It is mounted on a base with a stand and numbered with an English key card.
- It shows the different stages of dental caries, progressing from the Enamel, to the Dentin and finally involving the Pulp chamber and going down to the Root canals, up to the Periapical foramina.



BR-083 Dental Care Model

- This is an enlarged model.
- The model depicts the teeth form and consists of the teeth, gums and palate.
- A flexible joint between the jaws allows easy movement of the dental care model.
- These models are useful in clinical practice as well as for teaching purposes in dental schools.
- These models serve for demonstration of dental care with a tooth brush, helping clinicians to explain the correct brushing technique to patients.



BR-084 Human Teeth – Set of 16

- 2 Times enlarged.
- Set of 16 human teeth having accurate morphological and anatomical details.
- Encased in a break resistant material.



BR-085 Human Teeth – Set of 25

2 Times enlarged, set of 25 teeth case in break resistant material having accurate anatomical details.



HUMAN TOOTH AND JAWMODELS

BR-086 Upper and Lower Jaw

- This model is enlarged, 3 times.
- It is mounted on a base with a stand and numbered with an English key card.
- This model depicts theposition of teeth with their roots in the Maxilla, and the mandible.
- Also the Spongiosa, alongwith the blood supply and the nerve supply of the teeth can be studied on this model.



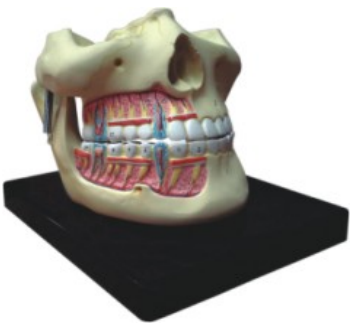
BR-087 Dentition Development

- This model has been cast from natural specimens.
- There are 4 upper and lower jaw halves, depicting 4 different stages of dentition development. These include:
  - New born
  - Approx. 5-year old child
  - Approx. 9-year old child
  - Young adult Dentition development model on a stand.
- Each of these are mounted on a base with a stand and numbered with an English key card.



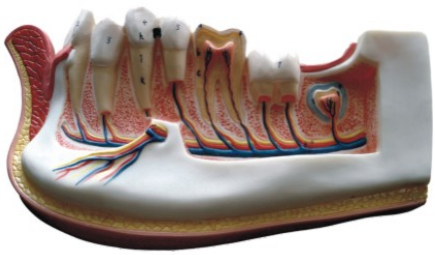
BR-088 Adult Denture

- This model shows the various positions of the teeth in the maxilla and the mandible.
- Thepermanent incisors, canines, premolars and molars; all are evident.
- Also the tooth roots, blood vessels, nerves and spongiosa are exposed.
- A molar and a canine have been sectioned longitudinally; revealing their Enamel, Dentin, Cementum, and Pulp cavity.
- This model is mounted on a base, numbered with an English key card.



BR-089 LOWER JAW OF A PREADOLESCENT WITH TEETH

- The model has been scaled to 3-1/2 times life size to enhance difficult to observe details.
- The outer portion of the jaw bone has been cut away exposing the roots of the teeth, their nerves and blood vessels.
- The model shows a deciduous canine and molar; alongwith the permanent incisors, molar, a premolar and a developing canine and a molar.
- A molar has been sectioned longitudinally; revealing its Enamel, Dentin, Cementum, and Pulp.
- The model is mounted on a base numbered with an English key card.



HUMAN LARYNX AND TONGUE MODELS

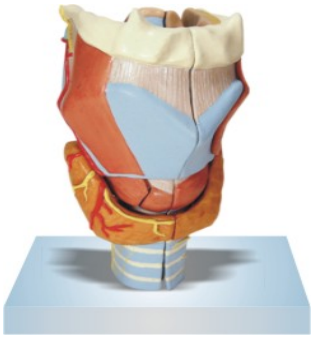
BR-090 Tongue Model



- This tongue model shows a part of the lower jaw with teeth, the tongue with mouth floor musculature in median section.
- The sublingual and the submandibular glands are also clearly evident.
- The model can be separated into two parts.
- The mandible with the teeth is detachable.
- The model is mounted on a base and numbered with an English key card.

BR-091 Larynx Full Size – 2 Parts

- This model shows the larynx, trachea, the thyroid gland and the hyoid bone.
- The laryngeal cartilages, ligaments, thyrohyoid membrane and muscles are visible.
- The right and the left lobes of the thyroid gland alongwith its isthmus are clearly depicted.
- This model can be medially divided into two halves.
- It is mounted on a base and numbered with an English key card.



BR-092 Larynx with Tongue and Teeth(3 parts)

- This model is a life size model of the mid-saggital section of the human Larynx alongwith the laryngeal cartilages, ligaments and muscles.
- It also depicts the trachea, the tongue, the mandible with the teeth, the hyoid bone and the thyroid gland.
- The Tongue and the mandible with the teeth are detachable.
- This model is dissectible into 2 halves along the median section.
- The sublingual and the submandibular glands are also visible.
- It is mounted on a base and numbered with an English key card.



HUMAN LUNGS MODEL

BR-093 Human Lung Right

- This model is dissectible into 2 halves.
- It shows the mediastinal surface with the cardiac impression; andthe apex, base, and the hilum of the right lung.
- At the hilum, in the centre of the lung, the bronchi and pulmonary vessels that extend from the heart and the trachea to connect each lung,are clearly depicted.
- The pulmonary ligament, alongwith the grooves for the superior vena cava, azygous vein and the innominate artery are also visible.
- It is mounted on a base with a stand and numbered with an English key card.



BR-094 Heart & Lungs Model – 4 Parts

- This economical life-size model separates into 4 parts.
- The lungs have two removable lobes to show the internal structures.
- The larynx,the bronchial tree, the heart, subclavian artery and vein, vena cava, aorta, pulmonary artery, esophagus and the diaphragm are also seen.
- The model is mounted on a base and numbered with an English key card.



BR-095 Lung Model with Larynx and Heart – 7 Parts

- This high quality lung model contains the following removable parts for added anatomical detail:
  - 2-part larynx
  - Trachea with bronchial tree
  - 2-part heart-The heart bisects showing the atria, the ventricles and the valves.
  - Superior and Inferior Vena cav
  - Subclavian artery and vein
  - Aorta
  - Pulmonary artery
  - Esophagus



  - 2-part lung (front halves removable)
  - Diaphragm
- This is a great model of the anatomy of the lung area.
- The lung model with larynx is mounted on a base numbered with an English key card, for easy display in a classroom or a doctor's office.

BR-096 Heart with Lungs And Larynx

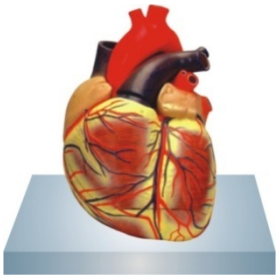
- This model shows the larynx, dissectible into 2 parts.
- Also the trachea with the bronchial tree is seen.
- The enlarged model shows the detailed internal structure of the lungs and the heart.
- The atria, ventricles, the valves, vena cava, pulmonary artery, aorta, subclavian artery and vein are all clearly depicted.
- It is mounted on a base and numbered with an English key card.
- Overall dimensions-45x45x17.5 cm.



HUMAN HEART MODEL

BR-097 Human Heart Model-Extra Large Size

- This model is useful for teaching human anatomy and physiology in schools.
- Its helps students to understand the external features and the internal structures of the heart and its relation with the large blood vessels.
- A clearer conception of the routes of the systemic and the pulmonary circulation can be obtained.
- It separates into 2 parts after the arch of aorta and the pulmonary trunk are removed.
- Both the atria and the ventricles with theatrio-ventricular valves (bicuspid and tricuspid) and the semilunar valves(pulmonary and aortic)can be seen in great anatomical detail, after the front heart wall is removed.
- The model is hand painted in full color, and priced well below any heart models of this quality.



- The model is mounted on a base and numbered with an English Key Card.

BR-099 Human Heart Model – 4 Parts

- This enlarged heart model allows for easy identification of all the anatomical structures of the human heart and is a perfect teaching aid in big classrooms or lecture halls.
- The atrium walls and the front heart wall are removable to reveal the most realistic heart available, with the detailed anatomy of the heart chambers and valves.
- Hand-painted in lifelike colors to depict dozens of items of anatomical interest in the human heart.
- The model is mountedon a base with a stand and numbered with an English key card.



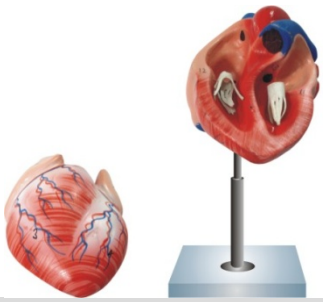
BR-100 Human Heart Model– 3 Parts

- In this model, the front heart wall and anatria are removable.
- Both the atria and the ventricles with the atrio-ventricular valves (bicuspid and tricuspid) and the semilunar valves (pulmonary and aortic) can be seen in great anatomical detail, after the front heart wall is removed.
- The aorta, pulmonary arteries and veins are all seen on this model.
- The model is mounted on a base and numbered with an English Key Card.

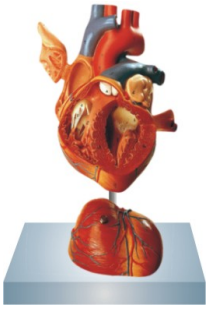


BR-101 Human Heart Model, 3 times enlarged – 2 Parts

- This model is 3- times enlarged and dissectable into 2 parts.
- The four chambers of the heart, that is the atria and the ventricles, with the atrio-ventricular valves (bicuspid and tricuspid) and the semilunar valves (pulmonary and aortic) can be seen in great anatomical detail, after the front heart wall is removed.
- The model is mounted on a base with a stand and numbered with an English Key Card.



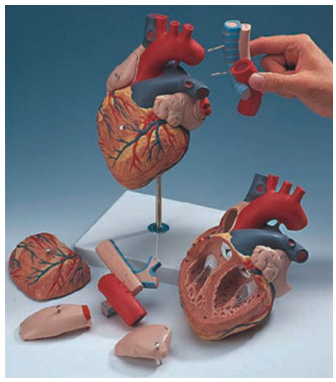
BR-102 Human Heart Model,life size – 2 Parts



- This heart model shows the anatomy of the human heart with ventricles, atriums, valves, veins, pulmonary trunk and the aorta in great anatomical detail.
- The front heart wall is removable to view the chambers and internal structures.
- The model is mounted on a base and numbered with an English key card.

BR-098 Human Heart Model-7 Parts

- This heart model shows the anatomy of the human heart and is horizontally sectioned at the level of the valve plane.
- The following parts can be removed from heart:
  - Esophagus
  - Trachea
  - Superior vena cava
  - Aorta
  - Front heart wall
  - Upper half of the heart
- This model is mounted on a base with a stand and numbered with an English key card.



BR-103 Human Heart Model, 1/3 rd life size-2 Parts

- In this model, the front heart wall is detachable to reveal the chambers and valves inside.
- The model is slightly smaller than life-size with exquisite anatomical detail throughout.
- The model is mounted on a base with a stand and numbered with an English key card.



BR-104 Human Heart Muscle Model

- This model shows the ultra structure of the human heart muscle.
- Size of the model is 22 x 22x 37 cm.
- This is carried on a base and numbered with an English Key Card.



BR-105 Hypertension Model – 7 Parts

- This model shows the harmful effects of hypertension on the most susceptible organs.
- It consists of scaled down depictions of:
  - Brain
  - Eye
  - Heart(2-part)
  - Kidney(2 part)
  - Enlarged artery.
- All of these organs can be rotated or removed for closer viewing.
- The model is mounted on a base with a stand and numbered with an English key card.



HUMAN STOMACH & LIVER MODELS

BR-106 Human Stomach Model

- This life size model of the human stomach depicts the details of the stomach, including the fundus, the cardiac and the pyloric parts of the stomach, the greater and the lesser curvatures of the stomach, and the pyloric and the cardiac sphincters.
- The longitudinal, circular and the oblique muscle layers of the stomach, alongwith the rugae, nerves and blood vessels are clearly demarcated on the model.
- The lower part of the esophagus and the upper portion of the duodenum are also seen.
- It is mounted on a base with a stand and numbered with an English key card.



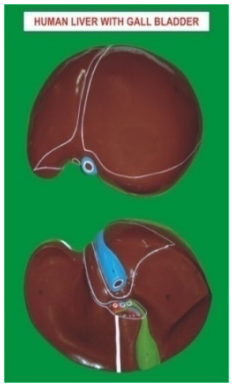
BR-107 Human Stomach Model – 2 Parts

- The stomach model shows the different and the individual layers of the stomach wall.
- Half of the stomach is removable for detailed study of the anatomy of the human stomach.
- With the longitudinal section, the model depicts the lower esophagus,blood vessels, nerves,the gastric folds, the pyloric and the cardiac sphincters, the muscles, the gastric mucosa and the transtitional mucosa of the gastro-esophagus.
- This high quality model is great for use in the doctor's office or a classroom.
- It is mounted on a base with a stand and numbered with an English key card.

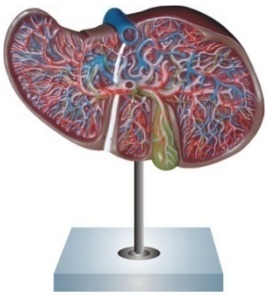


BR-108 Human Liver With Gall Bladder

- This Life size model, shows the Diaphragmatic, and the uneven concave visceral surfaces of the liver.
- The four lobes of liver (right, left, quadrate and caudate);along with the peritoneal ligaments; and the several impressions on the surface of the liver are shown.
- The gall bladder, the inferior vena cava and the porta hepatis(where the common bile duct, hepatic portal vein, and the hepatic artery proper enter) are all clearly visible.
- This high quality model is delivered on a base numbered with an English Key Card.



BR-109 Liver Model



- This model of a dissected liver depicts the dual blood supply to the liver, that is from the hepatic arteries and the hepatic portal vein.
- The biliary flow of the liver can be seen.
- The gall bladder, the inferior vena cava and the porta hepatis(where the common bile duct, hepatic portal vein, and the hepatic artery proper enter) are also depicted in the model.
- The falciform ligament is shown separating the right and the left lobes of the liver.
- The model is mounted on a base with a stand and numbered with an English key card.

HUMAN SKIN MODEL

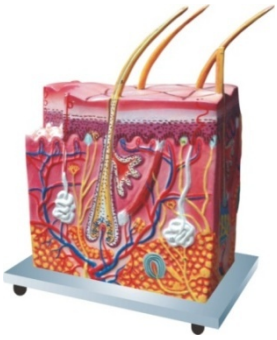
BR-110 Human Skin Section Model

- This model is 70 Times full size.
- It shows a section through the three layers of the half-covered skin of the head.
- The model shows hair follicles with sebaceous glands, sweat glands, receptors, nerves and vessels.
- The model is delivered on a base and numbered with an English Key Card.



BR-111 Human Skin Block Model,75 times full-size

- This unique skin model shows a section of human skin in three dimensional form.
- It is 75 times life size.
- The three layers of the skin, i.e. Epidermis, Dermis and Hypodermis are clearly distinguishable.
- Further, the Epidermal sub-layers are distinctly seen; and so are the dermal papillae.
- The Model also shows the hair follicles with sebaceous glands, sweat glands, Arrector pili muscle, receptors(Pacinian corpuscle, Meissner's corpuscle), nerves and blood vessels.
- The model is mounted on a base and numbered with an English key card.
- This is an outstanding model demonstrating the magnified microscopical structure of the skin with its appendages.



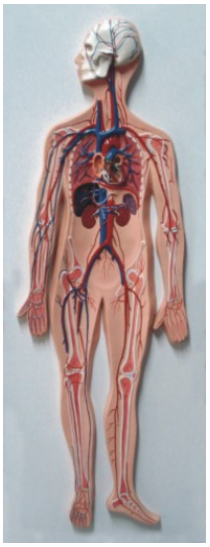
BR-112 Human Skin Section Model – 4 Parts

- Educate about the largest organ, the skin, and the very important purposes its layers and appendages serve, utilizing this high quality skin model.
- The model is approx. 70times magnified, so even the smallest of structures can be seen in great detail. It can be taken apart easily for better demonstration.
- Layers of the skin can be removed.
- Showing first rudiments of hair (exposed and in section), sweat gland and sense organs of the skin.
- The model is mounted on a base, as shown in picture.



BR-113 Human Circulatory System Model

- This 1/2 the life-size relief model of the human circulatory system details the following anatomical structures:
  - The arterial/venous system
  - Heart
  - Lung
  - Liver
  - Spleen
  - Kidneys
  - Partial skeleton
- Red indicates the oxygenated blood carried in arteries, blue indicates the deoxygenated blood carried in veins. The Capillaries are seen joining the arteries and veins.
- This colorful and anatomically accurate teaching aid of the human circulatory system is mounted on a board and numbered with an English key card.



HUMAN DIGESTIVE SYSTEM & HUMAN SPLEEN

BR-114 Human Digestive System Model, Life size-3 Parts

- This life-size human digestive system relief model, demonstrates the pathway that leads to the complete digestion in the human body, starting from the oral cavity and ending at the anus.
- This model features the:
  - Oral cavity, tongue and Pharynx
  - Esophagus
  - Stomach
  - Small and Large intestines
  - Liver with gall bladder
  - Pancreas
  - Spleen



- The duodenum, caecum and rectum of the digestive system are opened.
- The transverse colon and front stomach wall are removable for detailed study of the anatomy.
- This high quality digestive system is a great teaching tool for any anatomy lesson or doctor's office.
- It is mounted on a baseboard for easy display, and numbered with an English key card.

BR-115 Human Digestive System Model-2 Parts

- This smaller than life-size, human digestive system relief model, demonstrates the pathway that leads to the complete digestion in the human body, starting from the oral cavity and ending at the anus.
- This model features the:
  - Oral cavity, tongue and Pharynx
  - Esophagus
  - Stomach
  - Small and Large intestines
  - Liver with gall bladder
  - Pancreas
  - Spleen



- The duodenum, caecum and rectum of the digestive system are opened.
- The transverse colon is removable.
- This high quality digestive system is a great teaching tool for any anatomy lesson or doctor's office.
- It is mounted on a baseboard for easy display, and numbered with an English key card.

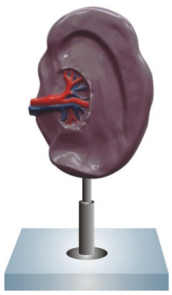
BR-116 Human Digestive Canal Model

- This model depicts the micro-anatomical structure of the human digestive canal.
- It is supplied in three parts as illustrated.



BR-117 Human Spleen Model

- This model of the spleen shows the visceral surface of the spleen, divided by a ridge into an anterior gastric and a posterior renal region.
- Near to its mid-border is a long fissure, termed the hilum. This is pierced by several irregular openings, for the entrance and exit of vessels and nerves.
- The splenic artery and vein can be seen in this model.
- The model is mounted on a base and numbered with an English key card.



BR-118 Intestinal Villi Model

- This model consists of:
  - An entire villus,
  - One longitudinally sectioned villus showing the arterioles and venules and
  - One sectioned villus to show the lymphatic vessels.
  - The model also includes a longitudinal section of Lieberkühn's crypt.
- The intestinal villi model is much magnified, hereby enabling the students to study the anatomical details clearly.
- The model helps to understand how the villi of the small intestine have a thin wall(about one cell thick), a large surface area, and a rich blood supply; making them specialized for absorption.
- The model is provided on a base andnumbered with an English key card



BR-119 Gradational Model ofthe Human Stomach Wall

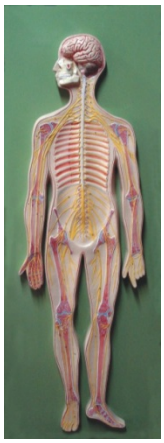
- In this model, the layers of the stomach wall are clearly depicted in great detail.
- These include the mucosa, submucosa, muscularis externa and the externa.
- The gastric pits which lead to the gastric glands are also shown.
- Lymphatic and blood vessels can be clearly seen.
- This model helps to understand how the stomach wall is adapted for the functions of the stomach.
- It is provided on a base andnumbered with an English key card.



HUMAN SPINAL / NEURON / NERVOUS SYSTEM

BR-120 Human Nervous System Model

- This nervous system relief model shows a schematic representation of the central (CNS) and the peripheral (PNS) nervous system.
- The CNS contains the brain and spinal cord.
- The PNS consists mainly of nerves that connect the CNS to every other part of the body.
- An excellent nervous system model to study the structure of the human nervous system.
- This model is 1/2 the life size and is a great teaching tool.
- It is delivered on a baseboard and numbered with an English key card.



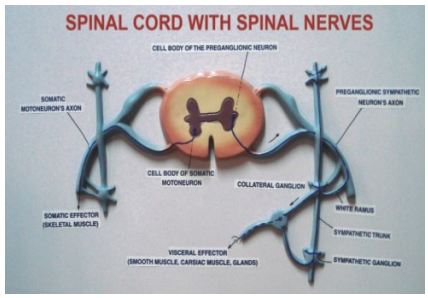
BR-121 Neuron Model

- This model is enlarged approx. 2500 times, to show the electron microscopic structure of a nerve fibre.
- It features 2 parts:
  - Neuron cell body with the dendrites and
  - Axon
- The neuron cell body features the nucleus, and various other cell organelles.
- The edge of the neuron cell body shows the synaptic junctions. The axon hillock is seen too.
- The axon is enclosed in the myelin sheath, made up of the Schwann cells. Also the Node of Ranvier is clearly depicted.
- The model is mounted on a base and numbered with an English key card.



BR-122 Cross-Sectional Model of the Spinal Cord with Spinal Nerves

- This module will focus on the spinal cord, including its structure and how it functions: as a conduit for motor information, which travels down the spinal cord, as a conduit for sensory information in the reverse direction, and finally as a center for coordinating certain reflexes.
- The spinal cord is formed by a central channel surrounded by "gray matter" with an outer layer of "white matter" as shown in this model.
- The anterior median fissure, anterior column, lateral column and the posterior column can be clearly seen.
- The model is delivered on a base and numbered with an English key card.



BR-123 Human Spinal Cord Model with Vertebra

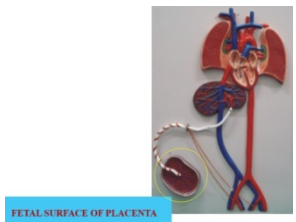


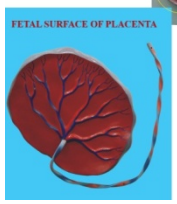
- This is a magnified model showing a segment of the spinal cord which is laterally and longitudinally divided showing the spinal roots.
- It includes an entire vertebra which can be dissectible into 2 pieces.
- The model is provided on a base and numbered with an English key card.

FETAL CORCULATION, SOMATIC NERVOUS SYSTEM

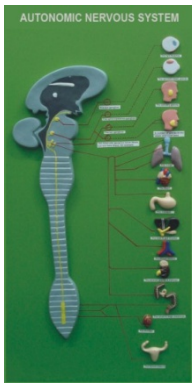
BR-124 Fetal Circulation Model,

- This model encompasses the entire fetoplacental circulation
- The fetal surface of the placenta is enlarged approx. 2500 times.
- The model depicts how blood from the placenta is carried to the fetus by the umbilical vein. Less than a third of this enters the fetal ductus venosus and is carried to the inferior vena cava, while the rest enters the liver.
- The blood then moves to the right atrium of the heart, and then most of the blood flows through the foramen ovale directly into the left atrium, thus bypassing pulmonary circulation.
- The blood is then pumped through the aorta into the body.
- Some of the blood moves from the aorta through the internal iliac arteries to the umbilical arteries, and re-enters the placenta, where carbon dioxide and other waste products from the fetus are taken up and enter the maternal circulation.
- Thus, this model is useful in understanding how the fetal circulation works differently from that of born humans, mainly because the lungs are not in use. Instead, the fetus obtains oxygen and nutrients from the mother through the placenta and the umbilical cord.





BR-125 Autonomic Nervous System Model



- This model depicts the autonomic nervous system (ANS)innervation to various internal organs like the eye, heart, digestive system, lungs, various glands, kidneys, sex organs, etc.
- ANS functions include control of respiration, cardiac regulation (the cardiac control center), vasomotor activity (the vasomotor center), and certain reflex actions such as coughing, sneezing, swallowing and vomiting.
- ANS has 2 branches: the sympathetic (fight or flight system) and the parasympathetic nervous system.
- The sympathetic division emerges from the spinal cord in the thoracic and lumbar areas, terminating around L2-3. The parasympathetic division has a craniosacral "outflow.
- The model is mounted on a baseboard and numbered with an English key card.

BR-126 Human Nasal Cavity Model



- This model helps students to understand the external and internal structures of the nasal cavity.
- The nasal cavity is medially divided into 2 halves, from the base of the skull to the gum.
- The model depicts a section of the bone and the nasal septum with vessels and nerves.
- Within the nasal cavity, lateral nasal wall shows the superior, middle and inferior nasal chonchae that project medially into nasal cavity forming the superior, middle and inferior meatuses.
- Paranasal sinuses seen include the frontal, sphenoid and the maxillary sinuses.
- The model is delivered with a base and numbered with an English key card.

BR-127 AIDS Virus Model

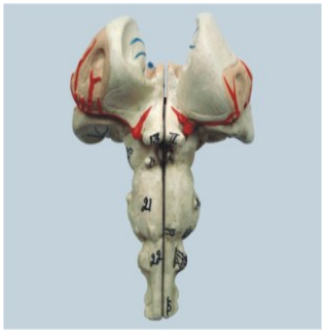
- This model has beenmagnified and enlarged millions of times.
- It shows the outer viral envelope consisting of a lipid bilayer with different proteins embedded in it forming "spikes".
- The model also depicts the viral hereditary material, 2 single stranded RNA with the reverse trancriptase enzyme, contained in the inner protein- layered viral core.



- The inner core is removable and condoms can be put underneath to provide a message regarding measures to take in protecting against HIV infections.
- The model is provided on a base, mounted with a stand and numbered with an English key card.
- Size overall 180x130x130 mm. approx.

BR-128 Human Brain Stem Model

- This is a model of the brain stem including transverse sections.
- The model depicts the 3 parts of the human brain stem:
  - Midbrain (mesencephalon),
  - Pons (part of metencephalon), and
  - Medulla oblongata (myelencephalon).



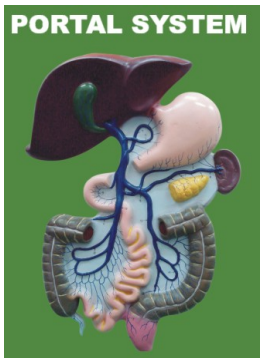
HUMAN KIDNEY MODELS AND PORTAL SYSTEM

BR-129 Human Kidney Section Model- 3 Times Full-Size



- This is a colorful and anatomically accurate model of the longitudinal section of the right kidney.
- The model depicts the outer renal cortex and the inner renal medulla, the nephrons, alongwith the major and minor calyces, the renal pelvis and the upper part of the ureter.
- The renal hilum with the renal artery and vein are seen too.
- Also the detailed structure of a single nephron, consisting of a renal corpuscle and the renal tubule is shown.
- This model is mounted on a board and numbered with an English key card.

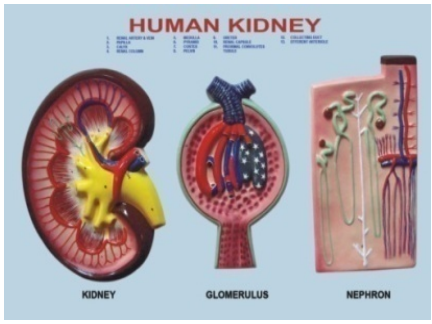
BR-130 Portal System Model



- The model depicts how the **portal venous system** is responsible for directing blood from parts of the gastrointestinal tract to the liver.
- Large veins that are considered part of the portal venous system include the Hepatic portal vein, Splenic vein, Superior mesenteric vein and the Inferior mesenteric vein.
- Thus the model is a useful aid in teaching the unique blood flow of the liver.
- It is mounted on a base and numbered with an English key card.

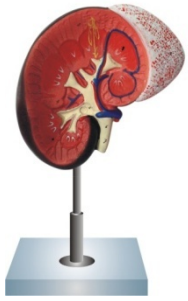
BR-131 Kidney Section, Nephron, Blood Vessels & Renal Corpuscle Models

- These 3 kidney models create a complete series to study the anatomy of the kidney and the different structures of the kidney in great detail.
- Together the human kidney models show:
  - A longitudinal section of the right kidney, 3 times life-size.
  - An opened Malpighian corpuscle with glomerulus and Bowman's capsule, 700 times life-size of the human kidney.
  - The third kidney section shows a kidney nephron depicting a section through renal cortex and medulla. Nephron features the renal corpuscles with proximal and distal convoluted tubules, loops of Henle, collecting tubules and blood vessels, 120 times full-size



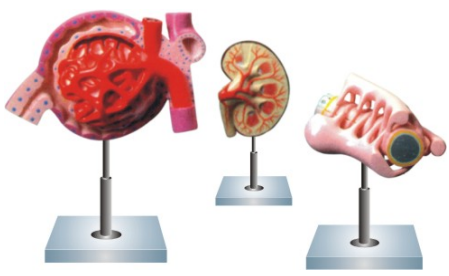
- The 3 kidney models are mounted on a common baseboard and numbered with an English key card, for easy display during an anatomy lesson or demonstration about the human kidney.
- This high quality model is a great addition for any classroom.

BR-132 Human Kidney with Adrenal Gland – 2 Parts



- This high quality human kidney model shows:
  - Kidney with adrenal gland
  - Renal and adrenal vessels of the kidney and
  - Upper portion of ureter for the human kidney.
- The front half of the kidney is removable to enable demonstration of the renal cortex, medulla, major and minor calyces, renal pelvis and vessels for teaching about the human kidney.
- The model is mounted on a base with a stand and numbered with an English key card.

BR-133 Model of Kidney setion,Renal Corpuscle and the Renal Podocytes

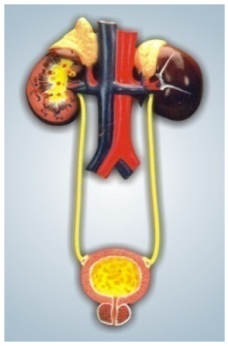


- This model is several times magnified and has 3 parts, provided on individual bases, mounted on stands and numbered with an English key card.
- The model includes:
- A Malpighian corpuscle with glomerulus and Bowman's capsule
- A Detailed longitudinal section of a kidney and
- The interdigitating podocytes, depicting how they are useful in forming the filtration barrier(blood-urine)in the kidneys, alongwith the endothelial cells of the glomerulus and the glomerular basement membrane.

HUMAN URINARY ORGANS WITH BLADDER

BR-134 Human Urinary System Model

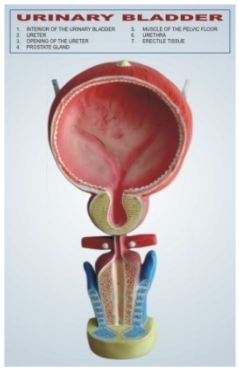
- This model is slightly larger than life size and depicted in brilliant colors.
- The urinary system consisting of the Kidneys, ureters, bladder and urethra is shown in complete detail.
- The Adrenal glands and the prostate are also seen.
- One anterior kidney half can be detached, to show the cortex, medulla, pyramids, major and minor calyces the renal pelvis and the hilum with the renal artery, vein and ureter.



- The inferior vena cava and the abdominal aorta, alongwith the common iliac artery and vein are seen too.
- This model is mounted on a base and numbered with an English key card.

BR-135 Human Urinary Bladder Model

- This model shows the detailed anatomical structure of the human bladder.
- The model depicts the inner bladder mucosa, the detrusor muscle, the bladder trigone, ureteral openings,the ureters, the internal and the external urethral sphincters, the urethra and the prostate gland.
- The model is mounted on a base and numbered with an English key card.



BR-136 Human Urinary System Model – 3 Parts

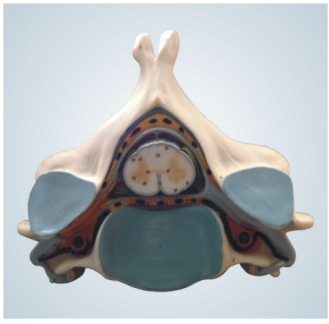
- A natural size model that separates into 3 parts.
- In this model, one can examine:
  - The structures of the retroperitoneal space
  - The greater and lesser pelvis with bones and muscles
  - The inferior vena cava and the abdominal aorta, alongwith the common iliac artery and vein
  - The urinary tract consisting of the kidneys, ureters, bladder and urethra.



  - The suprarenal and the prostate glands.
- The right kidney can be detached, to show the cortex, medulla, pyramids, major and minor calyces the renal pelvis and the hilum with the renal artery, vein and ureter.
- The urinary bladder and prostate are removable.
- This model is mounted on a base and numbered with an English key card.

BR-137 Fifth Cervical Vertebra Model

- This model depicts the typical structure of the Fifth Cervical Vertebra with its:
  - Body-broader from side to side than front to back
  - Pedicles
  - Laminae
  - Vertebral foramen-large and triangular
  - Spinous process- short and bifid
  - Transverse processes-pierced by the foramen transvesarium and
  - Superior and Inferior articular facets.
  - Superior and inferior articular processes
- The model is enlarged approx. 7 times.
- Height-7.5cm, Width-32cm, Thickness-24cm, Net Weight-1.8 kg.
- It is mounted on a base and numbered with an English key card.



HUMAN MUSCLE / DIGESTIVE SYSTEM MODEL

BR-138 Micro Anatomy, Muscle Fiber

- This micro-anatomy model magnifies the anatomy of the human muscle fiber approximately 10,000 times.
- This muscle model illustrates a section of a skeletal muscle fiber and its neuromuscular end plate.
- The muscle fiber is the basic element of the diagonally striped skeletal muscle.
- Bundles of myofibrils, and the triad of the terminal cisternae and the transverse tubules are seen.
- The sarcomere with the thick and the thin filaments is depicted in this model. It is responsible for the striated appearance of the skeletal muscle.
- The nucleus, mitochondria, sarcoplasmic reticulum are all seen in the sarcoplasm,withinthe sarcolemma.
- The model is provided on a base and numbered with an English key card.



BR-139 Micro Anatomy, Digestive System

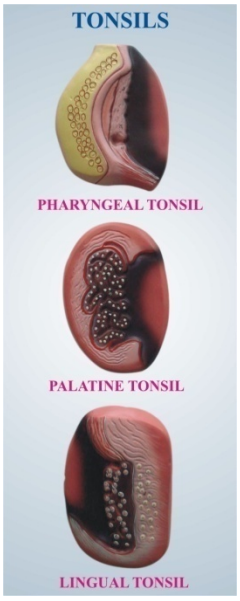


- This model illustrate the structure of the fine tissues of four characteristic sections of the digestive system :
  - Oesophagus
  - Stomach
  - Small Intestine
  - Large Intestine
- The front of the model, from top to bottom, shows a magnified view in histological section of the individual sections of the digestive system and their fine tissue structures.
- On the back of the model, highly magnified views of didactically interesting areas of each of the digestive system sections shown on the front are emphasized.

HUMAN TONSILS/ LIVER/ KIDNEY/ TESTIS MODEL

BR-140 Tonsils Model

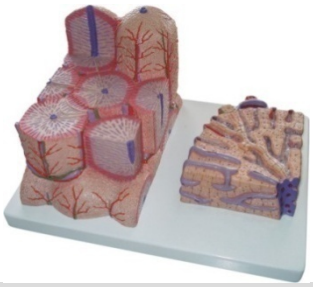
- This model depicts the detailed structures of the pharyngeal, palatine and the lingual tonsilsincluding:



- The partial encapsulation of all three types of tonsils.
- The pharyngeal tonsil withno crypts.
- The palatine tonsil divided into lobules and with many long and branched crypts.
- The lingual tonsilwith a single crypt and lymphatic nodules that contain lymphocytes.
- The model is provided on a base and numbered with an English Key Card.

BR-141 Micro Anatomy, Liver

- This two part model shows a highly magnified diagrammatic view of the histological section of the liver.
- It illustrates the structure of the functional and structural components of the liver in two different enlargements.
- The left part of the model shows a section of the liver that comprises several liver lobules.
- The right part of the model is a highly magnified view of the sectional liver lobule on the left.
- A detailed view of the liver lobule with its central vein, plates of hepatocytes, sinusoids, and the portals for branches of the hepatic artery, portal vein and the bile duct is seen.
- The model is provided on a base and numbered with an English key card.



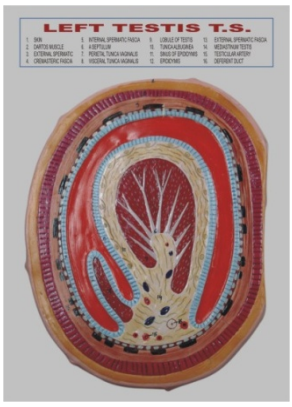
BR-142 Micro Anatomy Kidney

- This extremely detailed model shows the morphologic/functional units of the human kidney.
- The kidney structures are greatly magnified.
- Six model zones illustrate the following fine-tissue structures of the human kidney that serve in the production of urine:
  - Longitudinal section of a kidney
  - Section of renal cortex and renal medulla of the kidney
  - Wedge-shaped section of a kidney lobe with a diagrammatic depiction of three nephrons with Henle's loops of different lengths and diagrammatic depiction of the vascular supply
  - Diagrammatic illustration of a kidney nephron with a short Henle's loop and didactic/diagrammatic illustration of the vascular supply
  - Diagrammatic illustration of an opened kidney renal corpuscle with nephron and light-microscopic transverse sections of the proximal, attenuated and distal segments of a renal tubule
  - Diagrammatic/didactic illustration of an opened kidney renal corpuscle.
- The model is mounted on a base.
- 23.5 x 25.5 x 19 cm; 1.3 kg



BR-143 Human Left Testis T.S.

- This model depicts the detailed anatomy through the transverse section of the left Testis.
- It is mounted on a base and numbered with an English key card.
- We can study about 16 parts of the testis as per this model.



BR-144 Human Testis Model

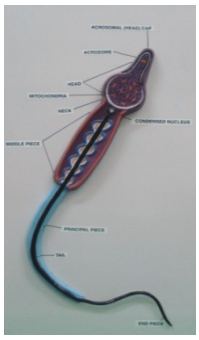
- This is a magnified model of the human testis.
- The detailed internal structures that can be studied on this model include:
  - Vas deferens
  - Epididymis
  - Seminal vesicles
  - Straight tubules, Rete testis, Efferent ductules and
  - Tunica albuginea with its septa
- It is provided on a base and numbered with an English key card.



HUMAN PREGNANCY MODELS

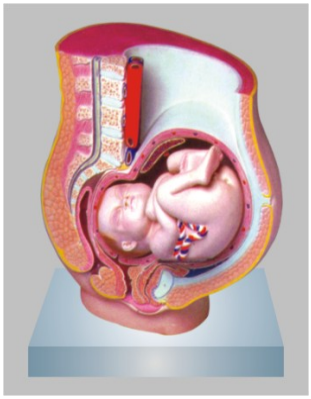
BR-145 Spermatozoa

- The model depicts the detailed structure of a human sperm cell.
- It can be divided into 2 halves:
  - The sperm head (nucleus, nuclear vacuoles, nuclear envelope, plasma membrane, acrosome, equatorial region) and
  - The sperm tail(terminal disc, axial filament) with the mid-connecting piece(centriole, mitochondria).
- A textual discussion focussing first on the structure and biochemistry of the sperm and then following the germ cell from its inception (spermatogenesis) to its final destination (fusion with the ovum) accompanies this model.
- It is provided on a base and numbered with an English key card.



BR-146 Pregnancy Pelvis with Baby

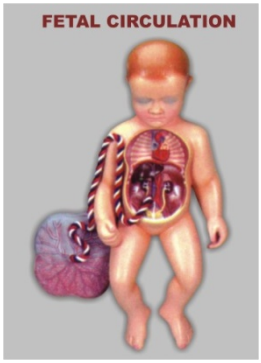
- This anatomy model is a representation of a median section through the female pelvis in the 9th month of pregnancy with a removable foetus.



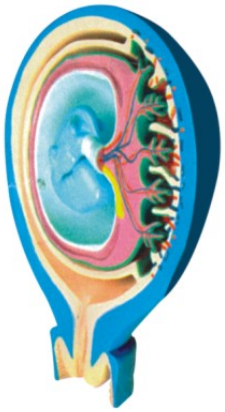
- It is an excellent model to study the normal position of the child before birth plus the human reproductive and urinary systems.
- The model is provided on a base and numbered with an English key card.

BR-147 Human Fetal Circulation

- This model encompasses the entire fetoplacental circulation.
- The fetal surface of the placenta is enlarged approx. 2500 times.
- The model depicts how blood from the placenta is carried to the fetus by the umbilical vein. Less than a third of this enters the fetal ductus venosus and is carried to the inferior vena cava, while the rest enters the liver.
- The blood then moves to the right atrium of the heart, and then most of the blood flows through the foramen ovale directly into the left atrium, thus bypassing pulmonary circulation.
- The blood is then pumped through the aorta into the body.
- Some of the blood moves from the aorta through the internal iliac arteries to the umbilical arteries, and re-enters the placenta, where carbon dioxide and other waste products from the fetus are taken up and enter the maternal circulation.
- Thus, this model is useful in understanding how the fetal circulation works differently from that of born humans, mainly because the lungs are not in use. Instead, the fetus obtains oxygen and nutrients from the mother through the placenta and the umbilical cord.
- It isprovided on a base and numbered with an English key card.



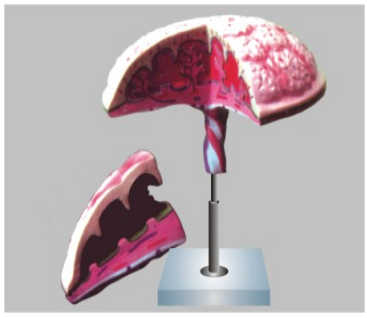
BR-148 Human Fetus



- This model of the human fetus can be separated into 3 parts.
- It represents the relationship amongst the fetus, the placenta and the uterus.
- The fetus is shown in a natural position within the uterus.
- It is mounted on a base and numbered with an English key card.

BR-149 Human Placenta Model-2 parts

- Thismodel depicts the human placenta and the umbilical cord with its umbilical vein and arteries.
- The umbilical cord is seen attaching onto the chorion of the placenta.
- A removable section reveals the inner details of the placenta with the placental septi and the villous tree structure containing branches of the umbilical vessels .
- Maternal blood fills the intervillous space as depicted.
- The model is delivered on a base mounted with a stand and numbered with an English card.



Stages of Fertilization and of the Embryo- 2-times Magnification

- The model illustrates schematically how the ovum matures, how ovulation and fertilization occur and how the fertilized ovum develops to the stage where it embeds itself in the womb wall to begin the growth into an embryo.
- The various stages are shown in larger-than-life model form in an ovary, fallopian tube and womb.
- The model is delivered on a base.
- An even more enlarged illustration of each stage is also printed on the base.

Embryonic Development Model in 12 stages

- The model represents the development of the human germ cells from fertilisation until the end of the 2nd month of pregnancy in 12 stages.
- Each stage can be removed from the common stand as an individual part and can be purposefully used for teaching and tests for the embryological specialist field.
- The various stages included in the model are:
  - Ovum at the time of fertilisation (conception) with the male gamete (sperm)
  - Zygote at 2-cell stage, approx. 30 hours after fertilization
  - Zygote at 4-cell stage, after around 40-50 hour
  - Zygote at 8-cell stage, after around 55 hours
  - Morula
  - Blastocyst after around 4 days
  - Blastocyst after around 5 days
  - Blastocyst after around 8-9 days
  - Germ cells at approx. 11th day
  - Germ cells at approx. 20th day
  - Embryo at around the end of the 1st month of pregnancy
  - Embryo at around the end of the 2nd month of pregnancy.

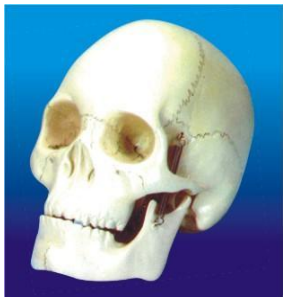
Model of the Pregnancy Series

- The series includes 8 models to show the developmental stages of the human embryo and fetus.
- These include:
  - 1st Month Embryo
  - 2nd Month Embryo
  - 3rd Month Embryo
  - 4th Month Fetus (Transverse Lie)
  - 5th Month Fetus (Breech Position)
  - 5th Month Fetus (Transverse Lie)
  - 5th Month Twin Fetuses (Normal Position)
  - 7th Month Fetus
- Each of these models is mounted on a base.
- The embryo and fetus are removable.

HUMAN SKULL / FOOT AND KNEE JOINT MODEL

BR-151 Human Skull Model – 2 Parts

- In this 2 part model of the human skull, the lower jaw, i.e. the mandible is removable, to demonstrate the detailed anatomy of the same.
- **It features:**
  - High quality, original cast of a real human skull
  - Made from a fibre material
  - Natural color
  - Highly accurate representation of the fissures, foramina, processes, sutures etc.
- The model comes at a highly affordable price.



BR-152 Human Skull Model – 3 Parts

- This 3 part medical quality human skull replica is the most popular choice for basic anatomical studies of the skull.
- It features:
  - High quality, original cast of a real human skull
  - Handmade from a fibre material
  - Natural color
  - Highly accurate representation of the fissures, foramina, processes, sutures etc.
  - Can be disassembled into the skull cap, base of the skull and the mandible, for detailed studies.
- This quality skull model is a great addition to any study of the human skeletal system.



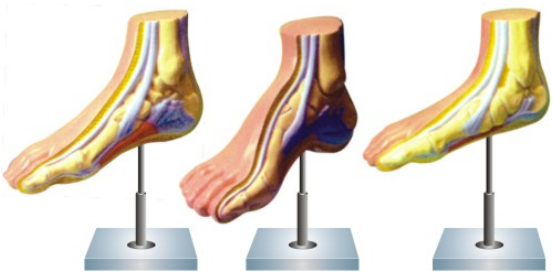
BR-153 Human Skeleton Model

- This is a life size model of the human skeleton, finished in natural color and provided with a plastic dust cover.
- It is cast from a real human skeleton and made of a fibre material.
- It comes with easily removable arms and legs.
- The mandible is movable and suture lines of the skull are clearly seen.
- It is provided with a numbered English key card.
- Available in 3 types as under:
  - Ordinary Human Skeleton Model.
  - Ordinary Human Skeleton Model on stand.
  - Superior Human Skeleton Model.
  - Superior Human Skeleton Model on stand.
- The superior quality skeleton even depicts the detailed cartilaginous joints between the bones.
- The ligaments of the shoulder, elbow, hip and knee are reproduced in a life-like manner.
- Also the superior model comes with a flexible spine.
- This model has an excellent price: performance ratio and is a valuable teaching aid.



BR-154 Human Foot pronation Models

- It is a set of three models depicting the three types of pronation seen in human feet.
- The first one depictsneutral pronation
- The second one shows over-pronation and
- The third one shows supination(flat foot).
- Also the internal muscles, bones, ligaments and nerves are seen in half of each of these models.
- The models are mounted on a base.



BR-155 Human Knee Joint

- This is a functional type of model that show the general features of the human knee joint, that include:
  - The femoropatellar articulation, which is between the patella and the femur
  - The medial and lateral femorotibial articulations, that link the femur with the tibia
  - The quadriceps and patellar tendon
  - Median and lateral collateral ligaments
  - The meniscus
  - The fibula.
  - This model also demonstrates the various movements around the joint.
- It is mounted on a base and numbered with an English key card.



HUMAN ELBOW JOINT /BONE / SKELETON MODEL

BR-156 Human Elbow Joint

- This is a functional type model of the human elbow joint which shows the general features that include the:
  - Humeroulnar joint, between the humerus and ulna
  - Humeroradial joint, between the humerus and radius
  - Superior Radioulnar joint-between the radius and ulna.
  - Various collateral ligaments, the annular ligament, oblique cord.



- This model also demonstrates the various movements around the joint.
- It is mounted on a base and numbered with an English key card.

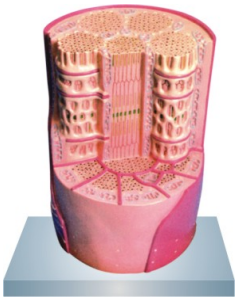
BR-157 Human Skeleton Model

- This is a miniature model of the human skeleton for schools to give a general idea of the bones.
- It comes with removable arms and legs.
- The mandible is movable and suture lines of the skull are clearly seen.
- It is mounted on a stand and numbered with an English key card.



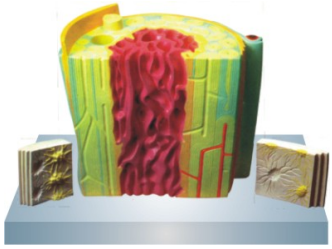
BR-158 Muscle on Bone

- In this model, bundles of muscle fibres are seen encased in the perimysium.
- The sarcomere with the thick and the thin filaments is depicted in this model. It is responsible for the striated appearance of the skeletal muscle.
- The model is mounted on a base and numbered with an English key card.



BR-159 Human Long Backbone

Model of human long backbone and OS lamina. On base.



BR-160 Animal Cell

Enlarged 20,000 times. The model shows the recently discovered principle of the delicate structure of an animal cell. In addition to the organelle like nucleus, endoplasmatic reticulum, mitochondria, ribosome, respectively polysomes and Golgi apparatus. The model also shows centrioles, lysosomes and fat vacuoles. The presentation of the process of extrusion of a Golgi vesicle and pinocytic signs shown by the cell dynamics. For teaching purpose high degree of segmentation of a cell. On base of size 500 x 370 x 240 mm.



BR-161 Animal Cell

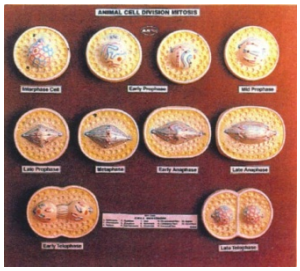
A three dimensional model with one side dissected to show complete internal structure. Mounted on stand with English Key Card.



ANIMAL CELL

BR-162 Animal Cell Division Mitosis

A set of 10 models, showing resting cell, early prophase, late prophase, metaphase, anaphase, late anaphase, Telophase and daughter cells. Mounted on wooden board.



BR-163 Mitosis Model set of 8

Robust Models illustrating the process of mitotic cell division. The chromosomes are painted to allow easy identification. Models are approximately 150x120mm.



BR-164 Animal Cell Division Meiosis

Set of 12 models, showing detailed stages in meiotic cell division, beautifully colored to bring out the detailed structure as seen under the microscope. Mounted on board.



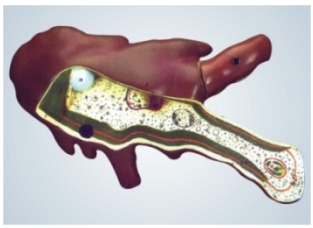
BR-165 Ultra Structure of Cell

Model of cell showing ultra structure numbered with English Key Card.



ZOOLOGICAL MODELS

BR-166 Model of Amoeba



Amoeba proteus, enlarged approx. 1000 times. In a small pseudopodium which can be opened up showing the structure after electron microscope magnification. On a base with explanatory notes. Separates into 2 parts. Numbered with English Key Card.

BR-167 Amoeba

A simple and economical model showing an enlarged and detailed inside view of amoeba's general structure. Complete model mounted on base board with numbered key card.



BR-168 Paramecium

Picture showing the enlarged, dissection structure of paramecium. On base. Numbered with English Key Card.



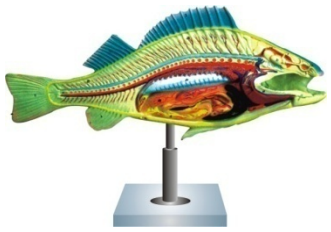
BR-169 Fish Skeleton

Showing all the general structure and skeleton of fish. On base. Numbered with English Key Card.



BR-170 Fish Dissection – Perch

Showing all the general anatomy after dissection mounted on stand. Numbered with English Key Card.



BR-171 Fish Dissection

Showing all the general anatomy after dissection. On stand. Numbered with English Key Card.



ZOOLOGICAL MODELS

BR-172 Star Fish

The model features a detailed study of star fish. Three arms and the central disc of the star-fish are greatly enlarged. Asterias are dissected to show ventral and dorsal surfaces, digestive and water vascular systems, gonads, nerve ring and radial nerves, and the skeleton. A fourth arm is cross-sectioned to show the coelom and tube feet. The surface illustrates the podia and pedicel-lariae. The model can be removed from its stand for closer examination. With numbered Key Card.



BR-173 Frog Dissection

Model showing dissected structure of frog, large model on wooden base.



BR-174 Earthworm Dissection

Model showing the external character in a portion and the dissection in the remaining, exhibiting all important systems. A very useful, model mounted on base. Dimensions overall 60 x 30 x 10 cm.



BR-175 Frog Development

Set of 24 models showing the various stages of the development of frog, from egg to adult. On wooden board. Numbered with English Key Car.



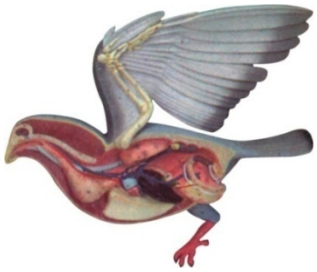
BR-176 Bird Dissection – Domestic Hen



Natural size, the right side shows the feathers and other side shows all the internal organs. Mounted on base. Numbered with English Key Card.

BR-177 Bird Dissection – Pigeon

Natural size, dissection showing all the internal organs of a pigeon. Mounted on base. Numbered with English Key Card.



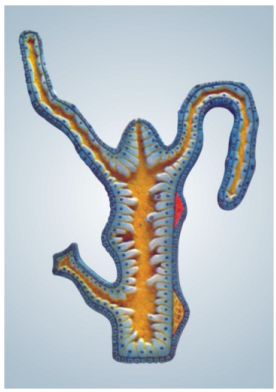
BR-178 Head of the Pork Tape Worm



Taenia solium, enlarged many times in one piece. Mounted on base.

BR-179 Hydra

This first rate model provides exceptional details of a hydra while remaining attractively priced. Colorfully illustrated are the external and internal structure, budding testis showing mouth, for coelenterons, gland cell, ovum, ovary etc. Mounted on stand with numbered Key Card.



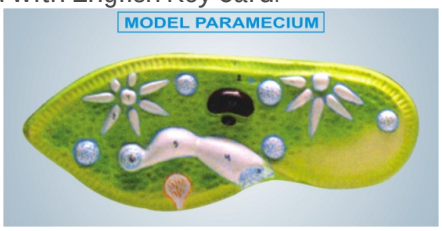
BR-180 Rat Dissection



Enlarged, dissection showing all the vital organs of a rat. Mounted on base.

BR-181 Paramecium

Enlarged, dissection showing the structure. On base. Numbered with English Key Card.



BR-182 Euglena



Enlarged, dissection showing the structure. On base. Numbered with English Key Card.

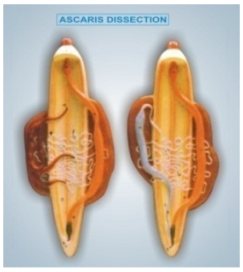
BR-183 Liver Fluke Model

Dissected fluke worm, showing structure of mouth, oral sucker, male and female genital aperture. On base. Numbered with English Key Card.



BR-184 Ascaris, Male and Female

Show all internal organs like pharynx, intestine, testis, oviduct etc. Model mounted on board with numbered Key Card. Dissected model of Ascaris, enlarged, showing all important internal organs of male and female Ascaris in detail. Mounted on a base with numbered Key Card.



BR-185 L.S. Insect Eye

200 times enlarged, showing histological microstructure. Mounted on a stand.



BR-186 Cockroach Model



Enlarged, dissection showing all internal parts. On base. Numbered with English Key Card.

BR-187 Compound of Facet Eye

Enlarged approximately 200 times. Showing the delicate histological structure. In one piece. Mounted on a stand with base and with numbered Key Card.



BR-188 Taenia Saginata L.H.



On base. Numbered with English Key Card

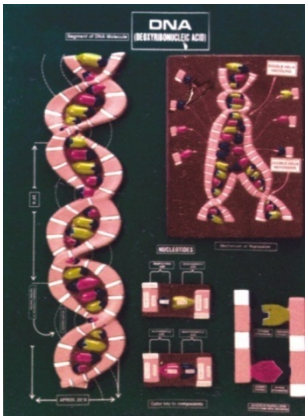
BR-189 Locust Model

Dissected model of locust. On base. Numbered with English Key Card.



R.N.A. AND D.N.A. MODELS

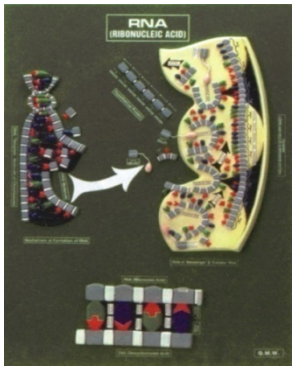
BR-191 Model of D.N.A.



Model showing segment of D.N.A. molecule mechanism of replication, to show the double helix coiling and reforming, nucleotides and the structural formula to show the show the molecule shapes and bond and angles distorted. Complete model arranged on a board.

BR-192 Model of R.N.A.

(Ribonucleic acid) Model showing R.N.A. molecule D.N.A. Template molecule of chromosome, role of messenger and transfer R.N.A. color key and structural formula. Complete model arrange on board.



BR-193 D.N.A. Model Kit

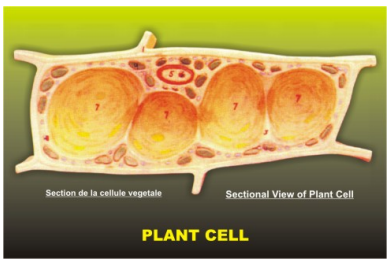
Easy to construct the three dimensional model of DNA. Emphasizing the base pair sequence and function of DNA, the sturdy, colorful bases snap together in the correct sequence, and the pairs attach to a center rod representing hydrogen bonds. Two flexible strands signifying alternating pentose and phosphate units attach to the end of each pair, forming the double helix. Once completed the, the model can be rotated on its sturdy base. Includes enough materials to construct one models, a printed instruction manual.



BOTANICAL MODELS

BR-194 Plant Cell

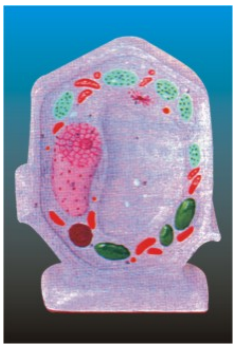
Provides clear inside view of the nucleus, chloroplasts, cell wall, and vacuoles of a plant cell, as well as allows exploring the relationship of a cell to its adjacent cells.



This simplified model, enlarged 3.000x, is perfect for introducing students to the basic parts of any plant cell. The one-piece model is mounted on a baseboard with numbered Key Card.

BR-195 Typical Plant Cell

This model shows three dimensional view of a plant cell. It includes the nuclear membrane, cell wall, chromosomes, endoplasmic reticulum, chloroplast, large central vacuole, mitochondria, and ribosome. The complete model is mounted on a base with numbered Key Card.



BR-196 Typical Plant Cell



A highly magnified representation of a typical and generalized plant cell, showing ultra-microscopic detail. The structures are shown in section and in relief. The model is mounted on a base.

BR-197 Typical Plant Cell

Enlarged approximately 4000 times, this realistic model offers a three dimensional view as seen through on electron microscope.

- Color coded for easy identification.
- A portion of the wall is removed to show the plasma membrane, vacuoles, plastids, mitochondria and nucleus.

Mounted on a base with numbered key card.



BR-198 Typical Plant Cell



Give students a three dimensions view of a plant cell. Included are the nuclear membrane, cell wall, chromosomes, endoplasmic reticulum, chloroplast, large central vacuole mitochondria, and ribosome. The complete model is on a base with numbered key card.

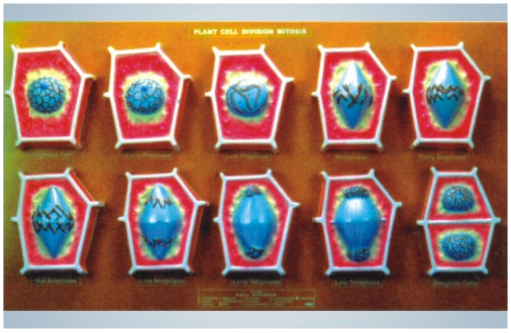
BR-199 Plant Cell Division, Mitosis

These models are highly detailed using bright vivid colors, so that they can be clearly seen from a distance by the entire class. A set of 10 models showing all the stages of karyokinesis and cytokinesis from metabolic cells of the formation from one cell to two cells. Mounted on a board with numbered key card.



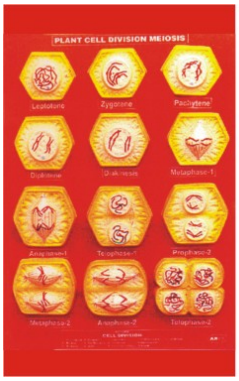
BR-200 Plant Cell Division, Mitosis

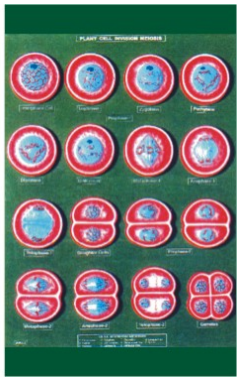
Same as above but simpler and economical version, smaller in size.



BR-201 Plant Cell Division, Meiosis

A newly designed model according to recent concept of chromosome changes from the resting nucleus to the formation of four daughter cell. Completely mounted on board with numbered key card.





BR-202 Fertilization of the angiosperms

Polygonum-type, enlarged 300 times, in Arco-plast. Longitudinal section showing nodes with germinating pollen spores and embryo sac. Stamen with pollen in sagittal section. Showing in detail, the microscopic structure on a base with explanatory notes and numbered Key Card.

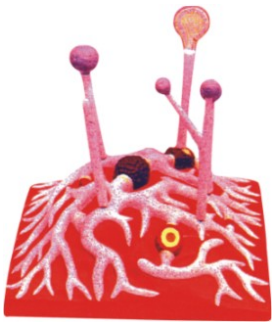


BR-203 Chloroplast

For showing the detailed structure of food factory of plant, i.e. where the photosynthesis takes place. Designed after the latest electron microscopy interpretation of the chloroplast, the 3-dimensional structure is depicted in longitudinal and cross section to show the interior details of the chloroplast comprehensively enlarged about 60,000 x. One quarter of the model is cut away to reveal the inner details in three levels, which can be taken apart. This two part three-dimensional model of a chloroplast allows easy disassembly and removal of the thylacoids and linking stoma to reveal the interior structure where photosynthesis occurs. The complete model is mounted on a stand with numbered key card.

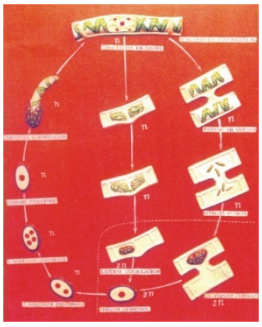


BR-204 Fungi



Vegetative and reproductive structure of Mucor clearly displayed. The Large Model separates into three parts, showing the mycelium, with fruiting bodies displaying both sexual and asexual reproduction. All Parts are enlarged about 250x. The three-piece model is mounted on a base that also features explanatory notes and comes with a study guide identifying twelve structures.

BR-205 Spirogyra LH



Showing the complete circle of Spirogyra Life History. Showing all stages as well. Mounted on board.

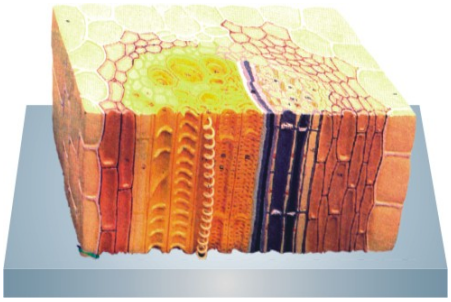
BR-206 Section through the stem of a year old dicotyle plant

Enlarged approximately 125 times, in Arco-plast. Mounted on a base with explanatory key card.



BR-207 Herbaceous Dicot Stem Section

This substantially enlarged model of plant vasculature structure of an herbaceous dicot stem section with all the details highlighted in vivid colors makes it easier to study this model and understand the structure and function of a plant stem. The single, open, collateral, vascular bundle of an herbaceous dicot is shown longitudinally and cross sectioned, clearly showing the elements of the xylem and phloem. The model is mounted on a baseboard with numbered key card.



BR-208 Anatomy of Dicot Stem, TS and LS Combined



Showing all details, the cambium ring is formed but no secondary growth has yet taken place. Very useful and instructive model for the study of epidermis, lentice, cork layer, cork cambium, cortical parenchyma, medullary rays, phloem and internal cambium, xylem etc. Mounted on base with numbered key card.

BR-209 Anatomy of Dicot Stem, TS and LS Combined

Showing Transverse, radial and tangential sections and other important structures.



BR-210 Dicot Stem TS

Showing various tissues vascular bundles in transverse section of the dicot stem (sunflower). Mounted on board with numbered Key Card.



BOTANICAL MODELS

BR-211 Herbaceous Dicot Stem

Showing cellular structure both in the cross and longitudinal section, mounted on board with numbered key card.



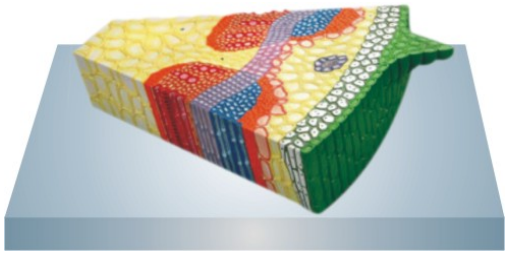
BR-213 Monocot Stem, Corn

Ideal for demonstration the general monocot. Each cell and tissue type is shown from several aspects with numbered key card.



BR-212 Herbaceous Dicot Stem

300x life size. The block model shows a herbaceous dicot stem in cross and longitudinal section; significant elements of the tegumental and cortical zones are clearly depicted. The central vascular cylinder, including xylem and phloem, is shown in detail. With key. Mounted on a durable polymer base. Model size is 42 x 29 x 9 cm.



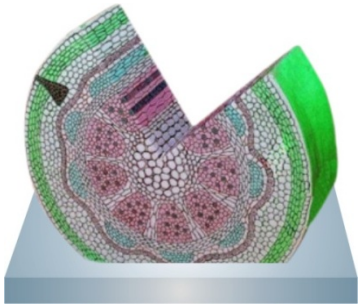
BR-214 Monocot Stem, Maize, TS



Showing various tissues vascular bundles in transverse section of monocot stem of maize, mounted on base with numbered key card.

BR-215 Monocot Stem Anatomy, TS and LS Combind

Showing section and all vascular bundles details, mounted on board with numbered key card.



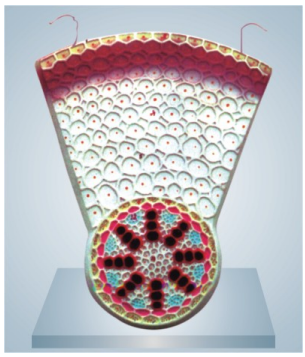
BR-216 Dicot Root Tip



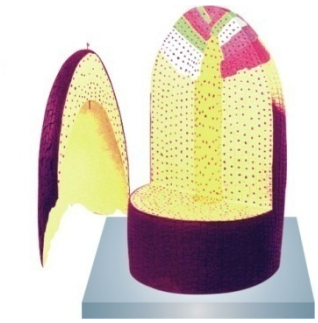
This three part color model shows structure in cross and longitudinal section. It includes a mature region, a region of maturation and growth and the root tip with root cap. A three dimensional model, mounted on board with numbered key card.

BR-217 Monocot Root, TS

The model depicts monocot root in transverse section showing complete internal details of root. Mounted on base with numbered key card.



BR-218 Root



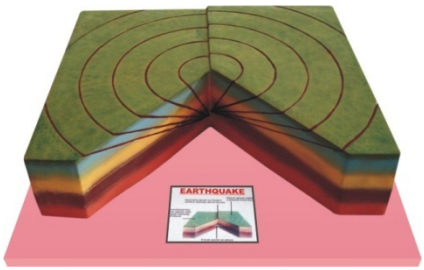
Enlarged about 300times, durable plastic, showing in longitudinal and transverse section, crown of removable. Dissectible in two parts. Mounted on base with numbered key card.

BR-219 Root Tip Anatomy

Showing LS and TS of a root tip with root cap maturation region and root hairs etc. A three-dimensional model, mounted on stand with numbered key card.



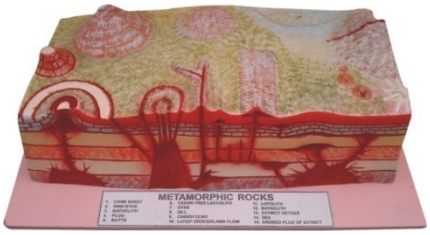
BR-239 Earthquake Model



Picture shows the Earthquake Model with English Key Card.

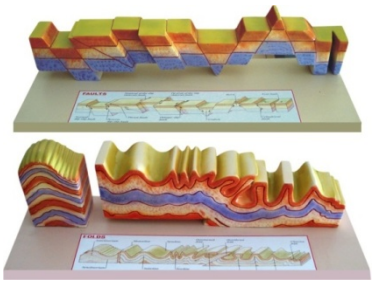
BR-240 Metamorphic Rocks

Showing sea floor spreading with the formation of crust. Subduction zones, the interior of the continents and the Mid Ocean ridges, size 75x100 cms.



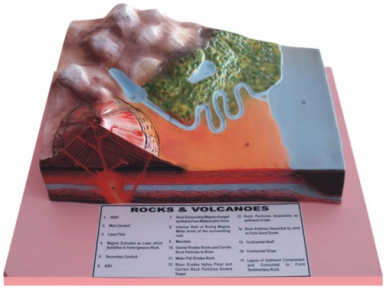
BR-241 Fractures, Faults And Dislocations Model

Showing cross section of five different structural features. Made of unbreakable material, colored. Showing the different structure related with fault planes and fractures. Mounted on base and numbered with English Key Card.



BR-242 Rocks & Volcanoes

Picture shows the 3D Model of Rocks and Volcanoes. Numbered with English Key Card.



BR-243 Underground Deposits

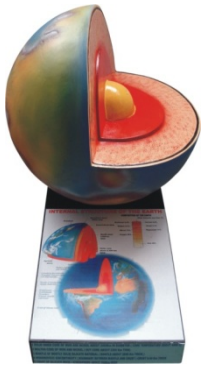


Showing some mineral deposits, particularly oil fields. Salt-mines and a coal seam. On one section and in the upper part, you can observe the system of oil-wells and tunnels bored by man. Mounted on base and numbered with English Key Card.

GEOLOGICAL MODELS & SOLAR SYSTEM

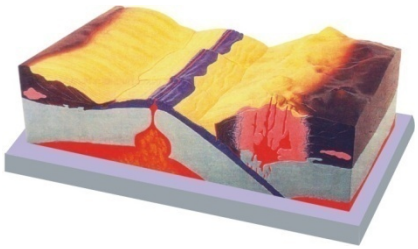
BR-244 Globe Model of Earth

Showing the layers inside the Earth with 2 detachable parts showing the interiors of Earth. Different colors for different layers. When upper crust is removed, inner core with layers can be seen. When layers one by one removed you can find the periphery of each layer.

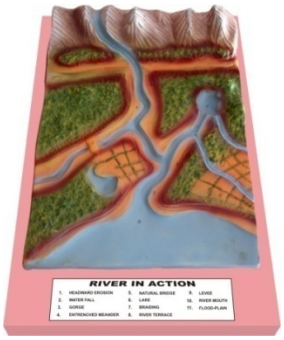


BR-245 Horizontal Strata

Shows illustration of lateral stream erosion and weathering. Underlying layers are shown in cross section with numbered key card.



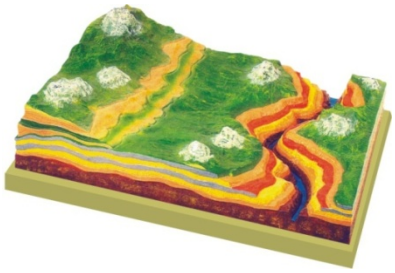
BR-246 River in Action



Picture shows the 3D model of rivers in action. Number with English Key Card.

BR-247 Tectonics

This model shows schematically the complicated phenomenon, which modified the earth surface. Mounted on base with numbered key card.



BR-248 Volcano Model



Section showing flow of magma. Made of unbreakable material, colored. Showing vertical section for students to view the path that magma takes on its upward course the volcano. Mounted on base and numbered with English Key Card.

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