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Human Skeleton

Art No: MH00001  
170cm High, Made of High Quality PVC and with a Specific Processing, Looks Very Realistic..



Human Skeleton

Art No: MH00002  
170cm High, Made of High Quality PVC and with a Specific Processing, Looks Very Realistic. Muscles Marked.



Human Skeleton

Art No: MH00003  
Human Skeleton with Joint Ligaments and Muscles. 170cm High



Human Skeleton

Art No: MH00004  
Good Quality, with Vertebral Arteries and Spinal Nerves. Popular One. 170cm High



Human Skeleton

Art No: MH00005  
170cm High, Good quality, Lowest Price, Popular One.



Human Skeleton

Art No: MH00006  
85cm High with Nerves, Blood Vessels and Heart



Human Skeleton

Art No: MH00007  
85cm High, Triangle Plastic Base



Human Skeleton

Art No: MH00008  
85cm High



Human Skeleton

Art No: MH00009  
85cm High, Very Good Quality Hanging Type



**Human Skull**

Art No: MH01001  
Size: Life Size  
3 Teeth Removable



**Human Skull**

Art No: MH01002  
Size: Life Size  
Art No: MH01002-B  
Size: Life Size, Numbered



**Human Skull**

Art No: MH01003  
Size: Life Size, Muscle Marked



**Human Skull**

Art No: MH01004  
Size: Life Size, Colored



**Knee Joint Model**

Art No: MH01022  
Size: 1/2 life size



**Knee Joint Model**

Art No: MH01023  
Size: Life size. On a base.



**Hand Joint**

Art No: MH01024  
Size: Life Size with Ligaments



**Hand Joint**

Art No: MH01024-B  
Size: Life Size without Ligaments



**Human Skull**

Art No: MH01005  
Size: Life Size, Colored



**Human Skull**

Art No: MH01006  
Size: Life Size with 8 Parts Brain



**Human Skull**

Art No: MH01007  
Size: Life Size with Cervical Spine



**Human Skull**

Art No: MH01008  
Size: Life Size with Blood Vessel and Nerves



**Foot Joint**

Art No: MH01025  
Size: Life Size with Ligaments



**Foot Joint**

Art No: MH01025-B  
Size: Life Size without Ligaments



**Muscles of Hand with Main Vessels and Nerves**

Art No: MH01026  
Shows the network of blood vessels and nerves, ligamentous apparatus  
Size: 225x135x55mm, 5 parts



**Muscles of Foot with Main Vessels and Nerves**

Art No: MH01026-B  
Shows the network of blood vessels and nerves, ligamentous apparatus  
Size: 200x90x330mm, 9 parts



**Human Skull**

Art No: MH01009  
Separated, 26 Parts



**Knee Joint**

Art No: MH01014  
Size: 1/2 Life Size



**Human Elbow Joint**

Art No: MH01015  
Size: 1/2 Life Size



**Pathological Model of Knee Joint with Card**

Art No: MH01017



**Functional Elbow Joint**

Art. No: MH01027  
Size: Life Size



**Functional Model of Knee Joint**

Art. No: MH01028  
Size: Life Size



**Bone Tissue Model**

Art No: MH01030  
Size: 53x38x10cm  
Shows compact and cancellous bone



**Human Hip Joint**

Art No: MH01018  
Size: Life Size



**Shoulder Model**

Art No: MH01019  
Size: 1/2 Life Size



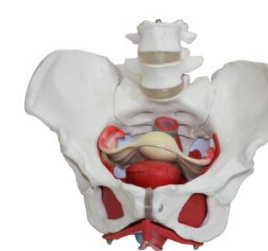
**Shoulder Model**

Art No: MH01020  
Size: Life Size



**Human Hip Joint**

Art No: MH01021  
Size: 12x12x16cm, 1/2 life size



**Female Pelvis with Muscles and Organs**

Art No: MH01031  
Size: Life size



**Human Pelvis Model**

Art. No: MH01032  
Size: Life Size, Female  
Art. No: MH01032-B  
Size: Life Size, Male



**Pathological Model of Vertebrae with Card**

Art No: MH01033



**Inter-Vertebra Disc with Pathologic Symptom**

Art No: MH01034  
Size: 11x11x14cm, 2 Vertebrae



**Inter-Vertebra Disc with Pathologic Symptom**

Art No: MH01035  
Size: Life size, 3 Vertebrae



**Lumber Vertebra Model**

Art No: MH01036  
Size: 12x12x20cm, 4 Vertebrae



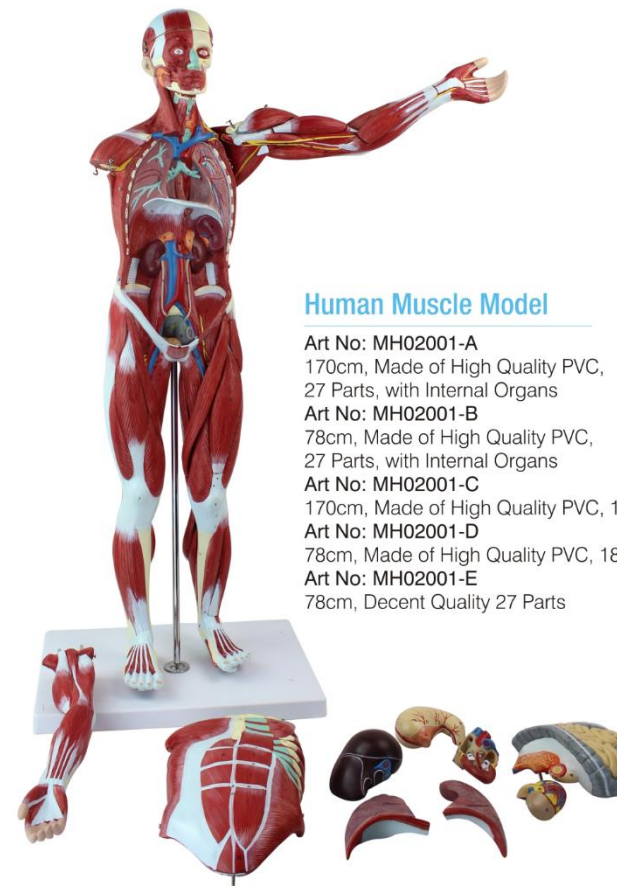
**Lumbar Vertebra, Sacrum Bone with Spinal Nerves**

Art No: MH01038  
Size: 12x12x36cm



**Model of Occipital**

Art No: MH01039  
Size: Life size  
Model of Occipital, Cervical Vertebrae and Vertebral Artery, Spinal Nerves with Brainstem



**Human Muscle Model**

Art No: MH02001-A  
170cm, Made of High Quality PVC, 27 Parts, with Internal Organs  
Art No: MH02001-B  
78cm, Made of High Quality PVC, 27 Parts, with Internal Organs  
Art No: MH02001-C  
170cm, Made of High Quality PVC, 18 Parts  
Art No: MH02001-D  
78cm, Made of High Quality PVC, 18 Parts  
Art No: MH02001-E  
78cm, Decent Quality 27 Parts



**Gradational Dissection of Human Upper Limb**

Art No: MH02002  
Size: Natural 200x130x760mm



**Model of Osteoporosis, 3 Bones**

Art No: MH01040  
Size: Life size



**Model of Osteoporosis, 4 Bones**

Art No: MH01041  
Size: Life size



**Model of Osteoporosis, 3 Parts**

Art No: MH01042



**Gradational Dissection of Human Lower Limb**

Art No: MH02003  
Size: Natural 170x170x1100mm



**Human Muscle Figure**

Art No: MH02004  
Size: 45cm high



**Classic Flexible Spinal Column**

Art. No: MH01043  
Size: Life Size



**Flexible Spinal Column, Colored**

Art No: MH01044  
Size: Life Size



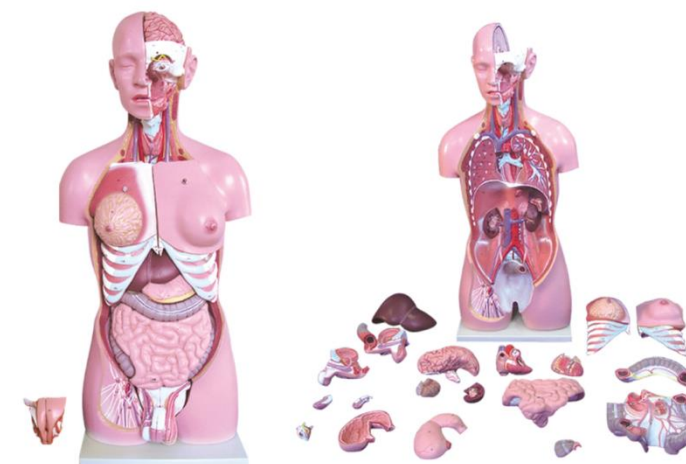
**Classic Flexible Spinal Column with Femur**

Art No: MH01045  
Size: Life Size



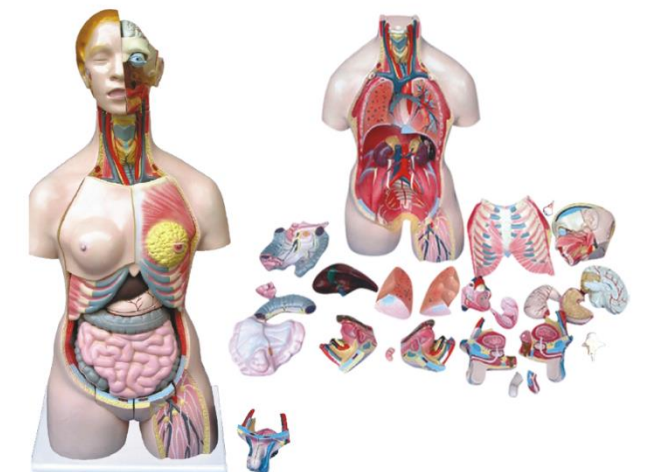
**Flexible Spinal Column with Femur, Muscle Marked**

Art No: MH01046  
Size: Life Size



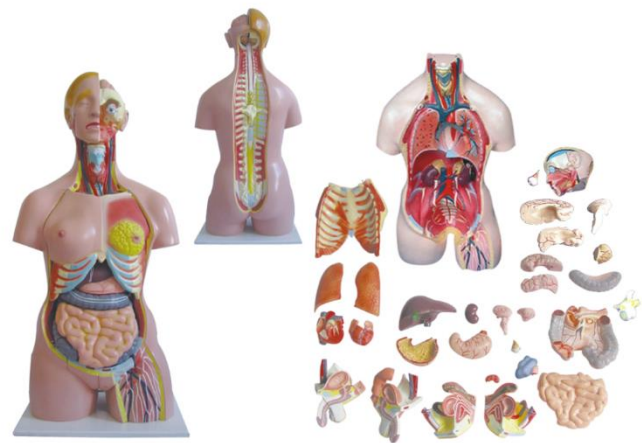
**Dual Sex Torso**

Art No: MH02005  
Dual Sex Torso, 24 Parts  
Size: 39x26x85cm



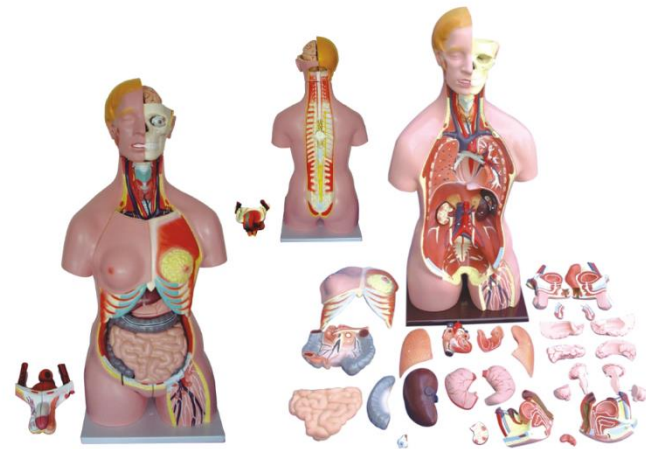
**Dual Sex Torso**

Art No: MH02006  
Dual Sex Torso, 24 Parts  
Size: 37x23x86cm



**Dual Sex Torso**

Art No: MH02007  
Dual Sex Torso, 28 Parts  
Size: 37x23x86cm



**Dual Sex Torso**

Art No: MH02008  
Dual Sex Torso, 32 Parts  
Size: 37x23x86cm



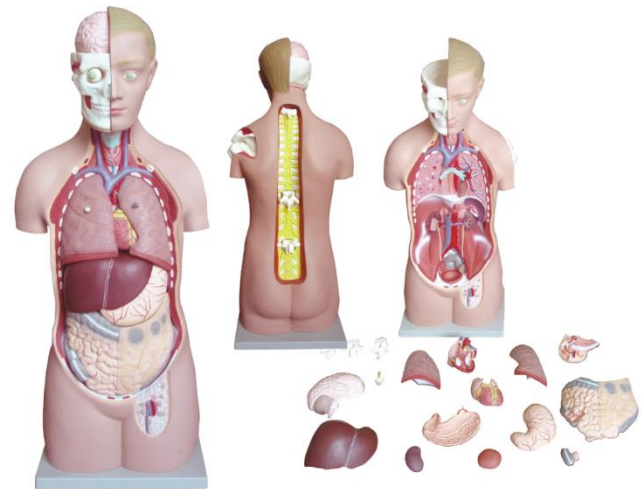
**Classic Unisex Torso**

Art No: MH02015  
85cm high, 17 parts



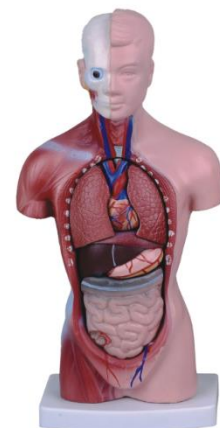
**Deluxe Dual Sex Torso**

Art No: MH02016  
85cm high, 28 parts



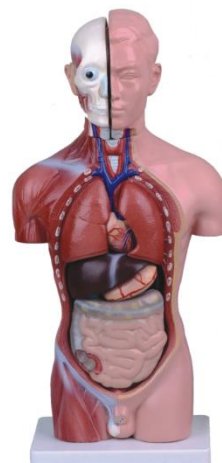
**Classic Unisex Torso**

Art No: MH02009  
Classic Unisex Torso, 17 Parts  
Size: 42x25x90cm



**Human Unisex Torso**

Art No: MH02010  
26cm high, 15 parts



**Human Male Torso**

Art No: MH02011  
42cm high, 13 parts



**Dual Sex Torso**

85cm high, good quality, low price, most popular.  
Art No: MH02017.01, 23 parts.  
Art No: MH02017.02, 40 parts.



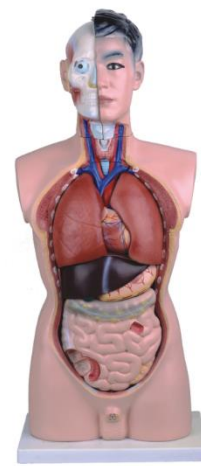
**Muscular Torso Dual-Sex Open Back (28 parts)**

Art No: MH02018  
The following parts can be removed:  
● Brain cerebellum ● Eye ● 4 parts lungs ● Esophagus  
● Trachea ● Liver gall bladder ● 2 parts stomach  
● Pancreas and spleen ● Renal cover ● 4 Parts male genital organs Appendix cover ● 3 parts female genital organs with 8 weeks of fetal  
● 2 parts intestine small and colon ● Torso ● Thoracic  
● 2 Parts Breast cover (with ribs and breasts) ● Dimension: 900x400x275(mm)



**Human Unisex Torso**

Art No: MH02012  
42cm high, 18 parts



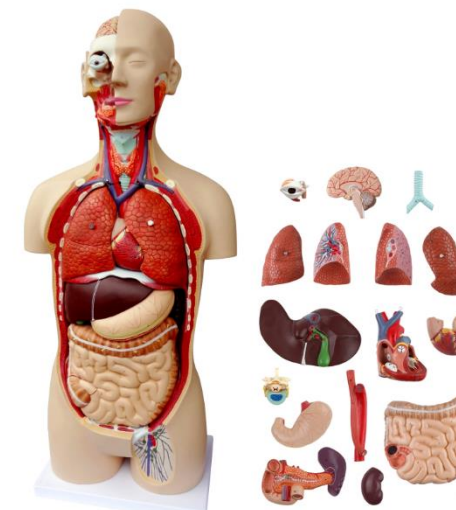
**Human Male Torso**

Art No: MH02013  
85cm high, 19 parts



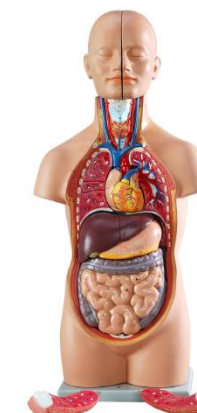
**Human Unisex Torso**

Art No: MH02014  
85cm high, 12 parts



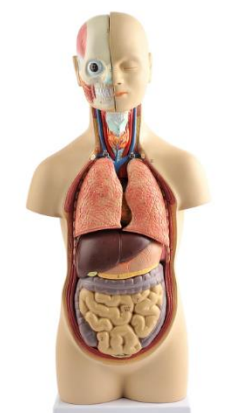
**Human Unisex Torso**

Art No: MH02019  
85cm high, 18 parts, back open



**Human Unisex Torso**

Art No: MH02020  
50cm high, 12 parts



**Human Unisex Torso**

Art No: MH02021  
50cm high, 12 parts with head dissection



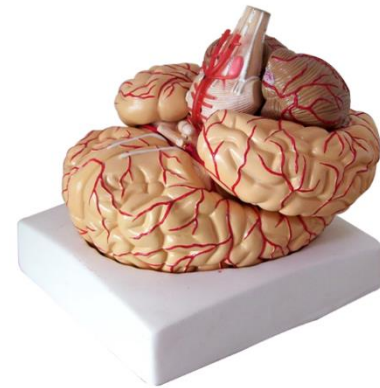
**Human Brain with Arteries**

Art No: MH03001  
Size: 17x14x15cm, 8 parts



**Human Brain**

Art No: MH03002  
Dissectable into 3 parts  
Size: 17x14x15cm



**Deluxe Human Brain with Arteries**

Art No: MH03003  
Life size, 9 parts



**Dissection Model of Head with Brain**

Art No: MH03012  
Life size, 11 parts



**Dissection Model of Head with Brain**

Art No: MH03013  
Life size, 9 parts



**Human Brain, Half**

Art No: MH03004.01  
Size: 17x15x15cm



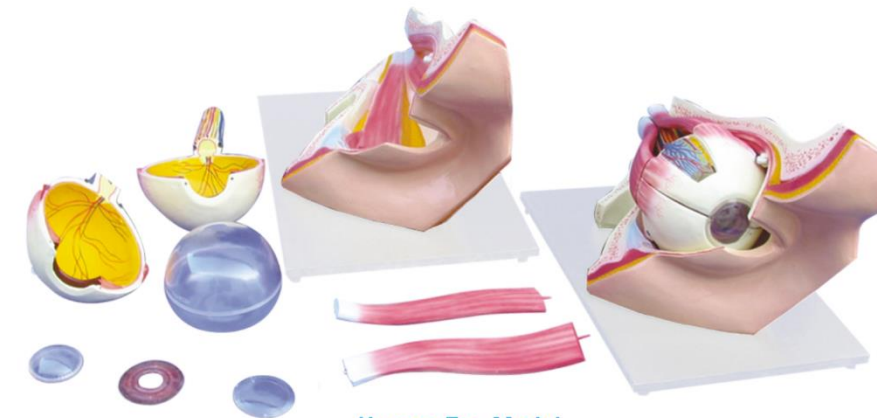
**Human Brain, Half**

Art No: MH03004.02  
Size: 17x15x15cm



**Human Brain, Half**

Art No: MH03005  
Size: 17x15x15cm



**Human Eye Model**

Art No: MH04001  
Size: 285x380x225mm



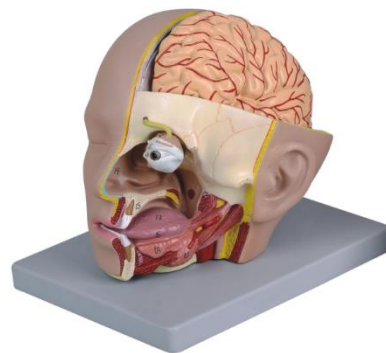
**Eye in Orbit**

Art No: MH04002  
Size: 190x200x280mm, 8 parts



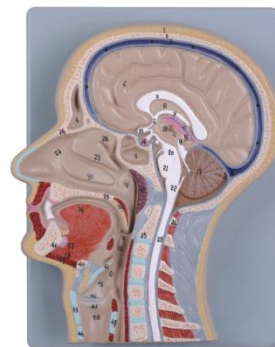
**Advanced Human Brain**

Art No: MH03007  
Size: 1/2 Life size



**Human Head with Brain**

Art No: MH03008  
Size: Life size



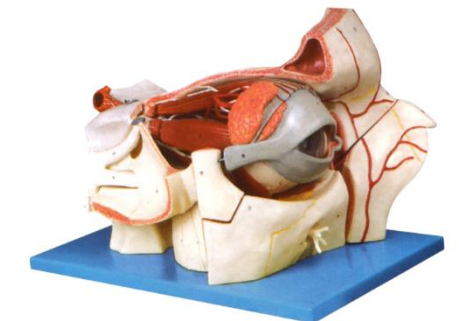
**Median and Frontal Section of the Head**

Art No: MH03009  
Size: 20x27x7cm



**Human Eye Model**

Art No: MH04003  
Size: 180x180x180mm



**Eye Ball and Orbit with Vessels and Nerves**

Art No: MH04004  
Size: 280x320x415mm, 9 parts



**Human Brain with Different Functional Areas**

Art No: MH03010  
Life size, 2 parts



**Half Head Model**

Art No: MH03011  
Life size with nerves and blood vessels, numbered



**Human Eye Model**

Art No: MH04005  
Size: 2 times life size



**Human Eye Model**

Art No: MH04006  
Eye Model with Pathological Cornea. with Card



**Cataracts Model**

Art No: MH04007  
Cataracts Model, with card



**Human Eye Model**

Art No: MH04008  
6 times enlarged, 6 parts



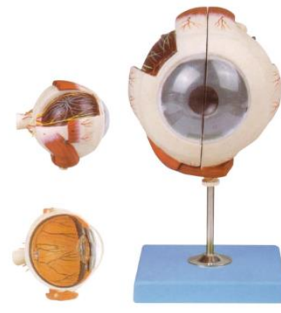
**Human Eye Model**

Art No: MH04009  
6 times enlarged, 6 parts



**Human Eye Model**

Art No: MH04010  
3 times enlarged, 6 parts



**Human Eye Model**

Art No: MH04011  
Size: 5 times of life size,  
210x130x150mm, 2 parts



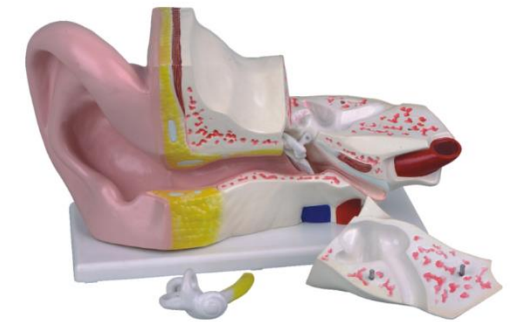
**Human Ear**

Size: 165x128x160mm  
Art No: MH05007.01 without card  
Art No: MH05007.02 with card



**Human Ear**

Art No: MH05008  
2 parts, 3 times enlarged  
Size: 320x160x110mm



**Human Ear**

Art No: MH05009  
4 parts, 5 times enlarged  
Size: 430x250x150mm



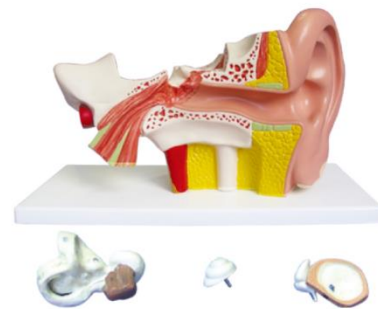
**Dissection Model of Eyepit and Periocular**

Art No: MH04012  
Size: 300x280x230mm



**Eyeball Imaging Demonstrator**

Art No: MH04014



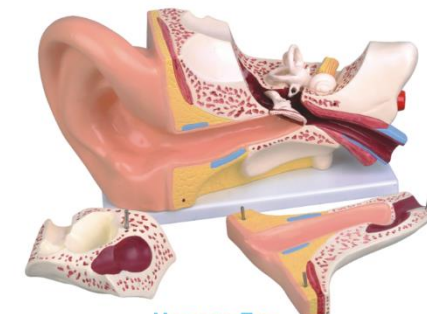
**Human Ear**

Art No: MH05001  
Size: 360x150x220mm



**Desktop Human Ear**

Art No: MH05010  
Size: 1.5 times enlarged



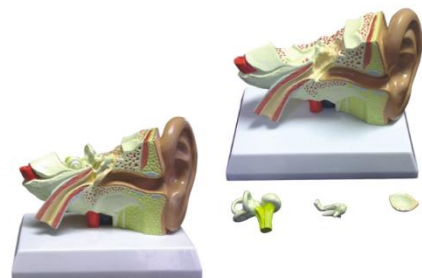
**Human Ear**

Art No: MH05011  
6 parts, 5 times enlarged  
Size: 430x250x150mm



**Human Ear**

Art No: MH05012  
3 times enlarged, 3 parts,  
Size: 180x230x330mm  
High quality, most popular



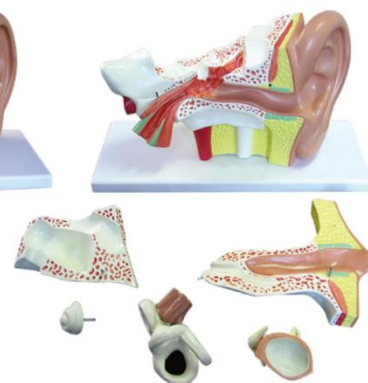
**Human Ear**

Art No: MH05002  
Size: 120x60x90mm



**Human Ear**

Art No: MH05003  
Size: 360x150x220mm



**Human Ear**

Art No: MH05004  
Size: 360x150x220mm



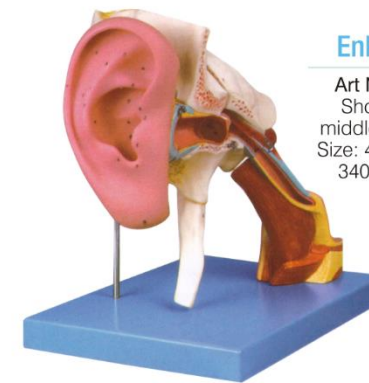
**Human Ear**

Art No: MH05005  
Size: 360x150x220mm



**Human Ear**

Art No: MH05006  
Natural Size



**Enlarged Ear**

Art No: MH05013  
Shows external,  
middle and inner ear  
Size: 4 times life size,  
340x400x225mm



**Deciduous Teeth Model**

Art No: MH06002  
Size: 110x90x90mm



**Permanent Teeth Model**

Art No: MH06002-B  
Size: 130x110x110mm



**Model of Teeth**

Art No: MH06003  
Model of Maxillary 3 Roots Caries  
2 parts



**Human Ear**

Art No: MH05004  
Size: 360x150x220mm



**Human Ear**

Art No: MH05005  
Size: 360x150x220mm



**Human Ear**

Art No: MH05006  
Natural Size



**Enlarged Model of Tooth**

Art No: MH06004  
Size: 280x130x140mm, 2 parts



**Anatomy of Enlarged Teeth**

Art No: MH06005  
Set of 3  
Canine, Incisor, Molar, 12 times



**Lower Jaw**

Art No: MH06006  
Size: 350x21x80mm, 3 parts



**Tooth Common Disease**

Art No: MH06007  
Size: 8x8x18cm



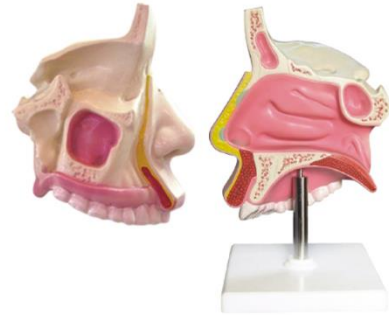
**Teeth Care Model**

Art No: MH06008  
Size: 16x13x11cm



**Teeth Care Model**

Art No: MH06010  
Size: 16x13x11cm, without board



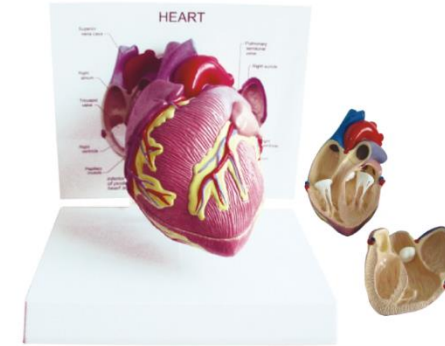
**Nasal Cavity**

Art No: MH06011  
Nasal cavity, natural size, 1 part  
This life size model shows a section of the nasal cavity.  
Mounted on base with stand.



**Human Heart Model**

Art No: MH07001  
Life size, 2 parts



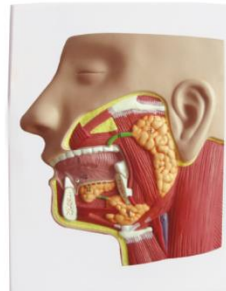
**Human Heart Model**

Art No: MH07002  
Life size, 2 parts



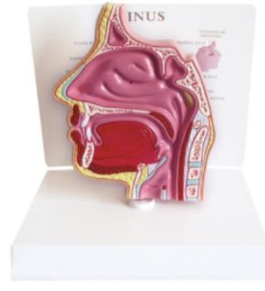
**Human Heart Disease Model**

Art No: MH07002-B  
Life size, 3 in 1



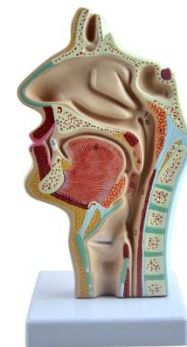
**Model of Salivary Glands**

Art No: MH06013



**Dissection Model of Nasal Cavity**

Art No: MH06014



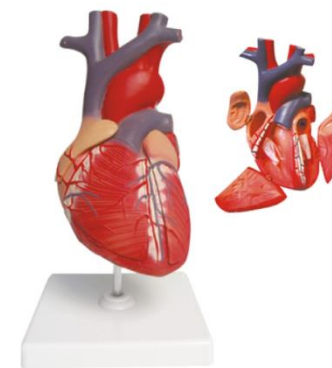
**Nasal Cavity**

Art No: MH06015  
Nasal cavity, oral cavity, throat, pharynx



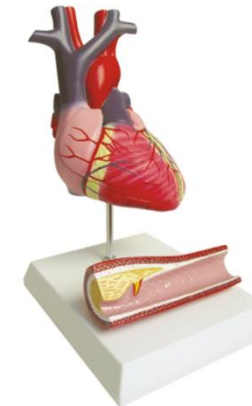
**Dissection Model of Nasal Cavity**

Art No: MH06016  
Size: Life size



**Human Heart Model**

Art No: MH07003  
Life size, 4 parts



**Human Heart Model**

Art No: MH07004  
With diseased artery, life size



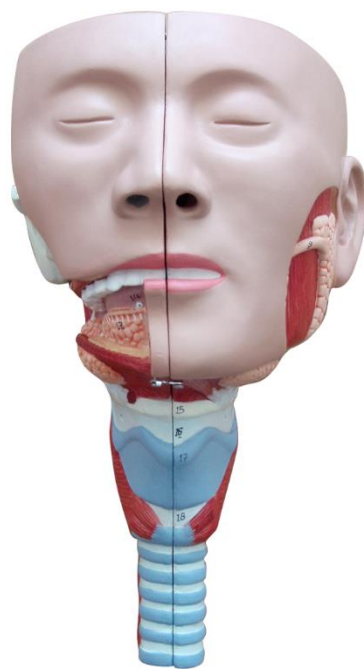
**Human Heart Model**

Art No: MH07005  
With diseased artery, life size



**Human Heart Model**

Art No: MH07006  
Life size, with bridges, 2 parts



**Head with Pharynx Muscles**

Art No: MH06019  
Size: 150x150x300mm



**Mouth, Nose, Pharynx and Larynx with Vessels and Nerves**

Art No: MH06017  
Shows the interior parts of the cavity of mouth and pharynx with network of vessels and trigeminal nerve.  
Size: Life size, 210x35x135mm



**Human Larynx**

Art No: MH06020  
2.5 times enlarged, 5 parts.  
Size: 8x8x20cm



**Model of Thyroid Disease**

Art No: MH06021  
4 Parts  
Size: 265x265x90mm



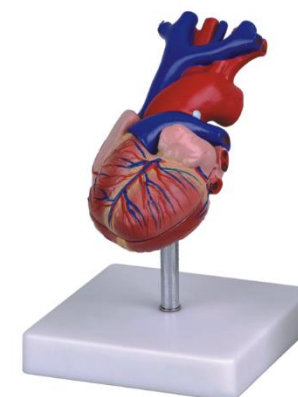
**Nerves and Vessels in Facial Skull**

Art No: MH06018  
Shows the muscles, nerves, vessels, trigeminal nerve and facial nerve  
Size: Life size, 210x320x190mm



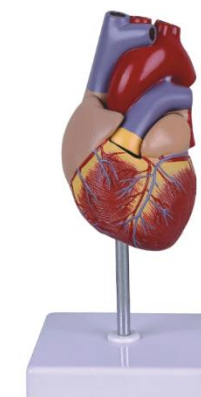
**Model of Thyroid Disease**

Art No: MH06022  
4 Parts  
Size: 225x158x120mm



**Human Heart Model**

Art No: MH07007  
Life size, 2 parts



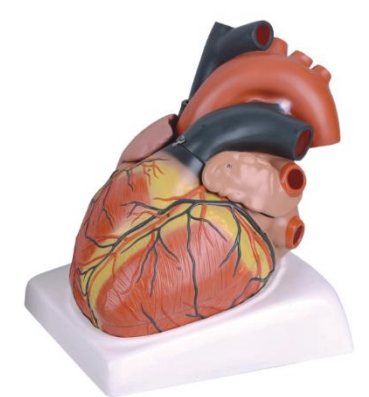
**Human Heart Model**

Art No: MH07008  
Life size, 2 parts



**Human Heart Model**

Art No: MH07009  
2 times enlarged



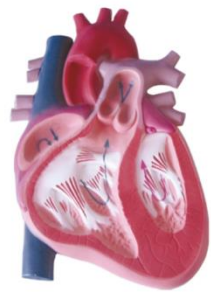
**Human Heart Model**

Art No: MH07010  
About 5 times of life size, 3 parts  
Size: 30x20x25cm



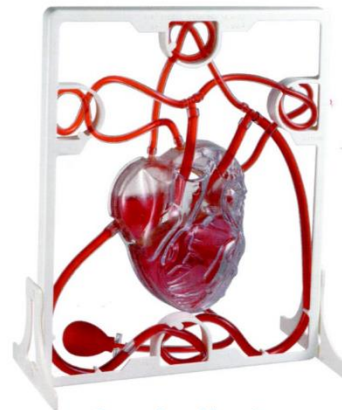
**Human Heart Model**

Art No: MH07011  
About 5 times of life size, 3 parts  
Size: 30x20x25cm



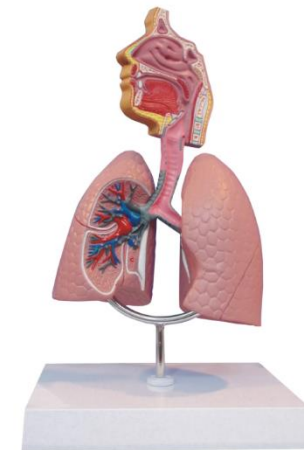
**Model of Heart and Blood Function**

Art No: MH07012  
Size: 480x430x30mm



**Pumping Heart**

Art No: MH070013  
A 3-D working plastic heart model with clear chambers  
Squeeze bulb to pump simulated blood through clear heart chambers  
Just like real one. 28cm high.



**Model of Respiratory System**

Art No: MH07027  
Size: 220x110x385mm



**Model of Transparent Lung Segments**

Art No: MH07028  
Size: 280x150x385mm



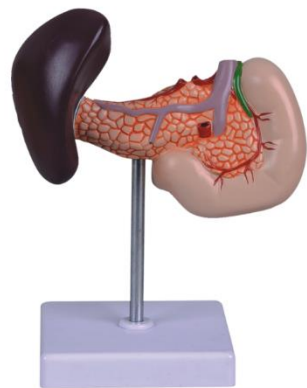
**Lung Model with Bronchopulmonary Pathology**

Art No: MH07029  
Size: 190x130x170mm



**Dissection Model of Bronchus in Right Lung**

Art No: MH07031.04  
Size: 110mm high



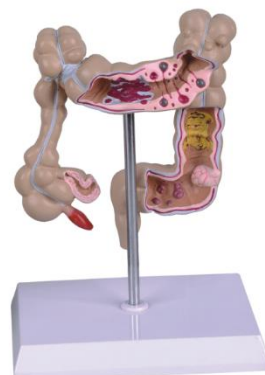
**Model of Spleen with Pancreas and Duodenum**

Art No: MH07020  
Natural size



**Rectum Common Disease Model**

Art No: MH07021  
Size: 16x13x22cm



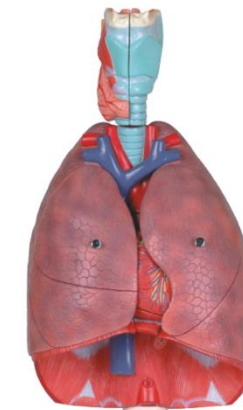
**Diseased Large Intestines**

Art No: MH07022  
Size: 14x18x25cm



**Diseased Esophagus Model**

Art No: MH07023



**Respiratory System Model**

Art No: MH07032  
A life size reproduction of the complete human respiratory system. It is composed of 7 parts showing the larynx (dissected along the sagittal plane), the lungs (dissected along the frontal plane) and a 2-part heart. Mounted on base.  
Size: 26x40x12cm



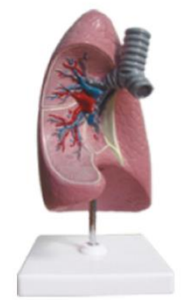
**Dissection Model of Bronchus in Right Lung**

Art No: MH07031.01  
Size: 200mm high



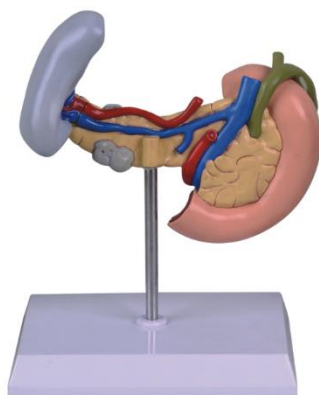
**Dissection Model of Bronchus in Right Lung**

Art No: MH07031.02  
Size: 180mm high



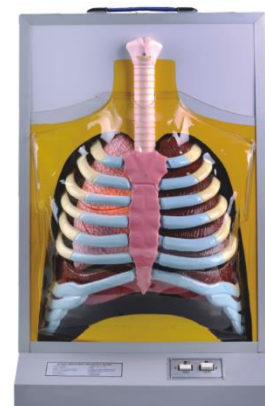
**Dissection Model of Bronchus in Right Lung**

Art No: MH07031.03  
Size: 150mm high



**Diseased Model of Spleen**

Art No: MH07024  
Diseased Model of Spleen with Pancreas and Duodenum  
Natural size



**Functional Human Respiration Model**

Art No: MH07025  
Life size. Consists of a rib cage and the major thoracic organs. Demonstrates the respiration realistically by the movement of the rib cage and diaphragm.  
It needs power supply.  
Size: 40x40x30cm



**Model of Magnified Alveolus**

Art No: MH07026  
Model of Smoking and Non-smoking Magnified Alveolus  
Size: 240x150x170mm



**Human Respiratory System with Magnified Alveolus**

Art No: MH07032-B  
A relief model of the respiratory system. An alveolus with blood vessels (about 150x life size) is shown.  
Size: 530x380x60mm



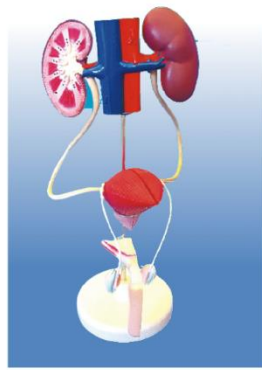
MH07033.01



MH07033.02

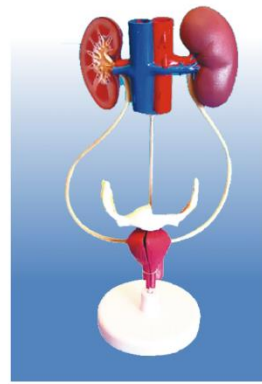
**Lung Respiration Model**





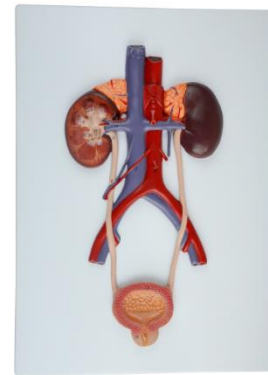
**Model of Male Urogenital System**

Art No: MH07034  
Size: 190x190x460mm



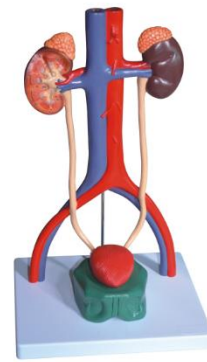
**Model of Female Urogenital System**

Art No: MH07035  
Size: 190x180x450mm



**Model of Male Urinary System**

Art No: MH07036-A



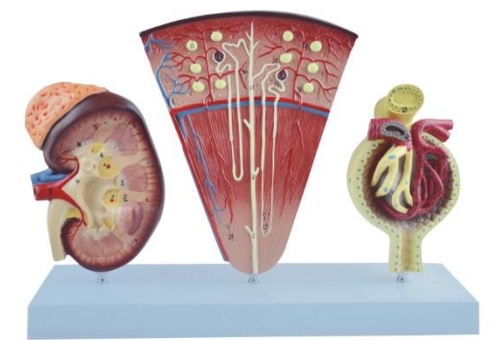
**Male Urinary System**

Art No: MH07036-B  
Made of high quality PVC



**Model of Kidney, Nephron and Glomerulus**

Art No: MH07044  
Size: 70x30x10cm  
Enlarged 3 times, 120 times, and 700 times respectively.  
Made of high quality PVC. On a board.



**Model of Kidney, Nephron and Glomerulus**

Art No: MH07045  
Enlarged 2 times, 120 times and 700 times respectively  
Made of high quality PVC, on a board



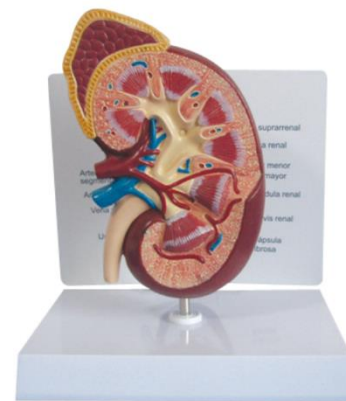
**Dissection Model of Kidney with Cyst**

Art No: MH07037  
Size: 140mm high



**Dissection Model of Kidney**

Art No: MH07038  
Size: 165mm high



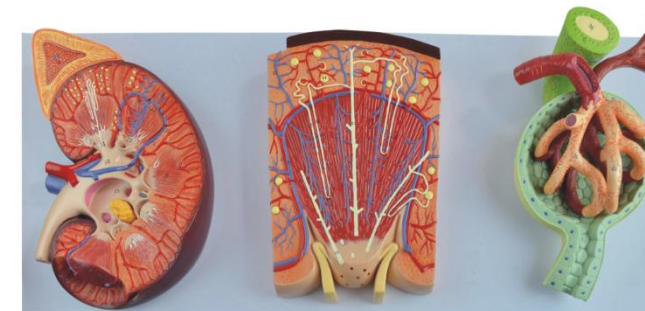
**Dissection Model of Kidney**

Art No: MH07039  
Size: 165mm high, with card



**Dissection Model of Kidney**

Art No: MH07040  
2 times enlarged



**Model of Kidney, Nephron and Glomerulus**

Art No: MH07046  
Enlarged 3 times, 120 times and 700 times respectively  
Made of high quality PVC, on a board



**Breast Model**

Art No: MH07047  
Size: 150x125x105mm



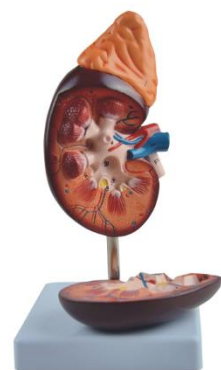
**Pathological Model of Breast**

Art No: MH07048.01  
Size: 17x14x10cm



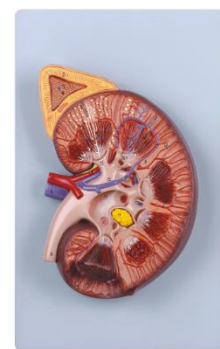
**Human Kidney**

Art No: MH07041  
Natural size, 2 parts. Made of high quality PVC. Mounted on base.  
Size: 22x11x11cm



**Human Kidney**

Art No: MH07041-B  
1.5 times enlarged



**Deluxe Kidney with Adrenal Gland**

Art No: MH07042  
3 times enlarged.  
Made of high quality PVC. On a base.  
Size: 40x25x7cm



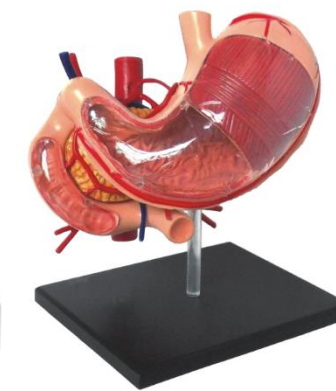
**Human Kidney**

Art No: MH07043  
2 times enlarged



**Pathological Model of Breast**

Art No: MH07048.02  
Life Size



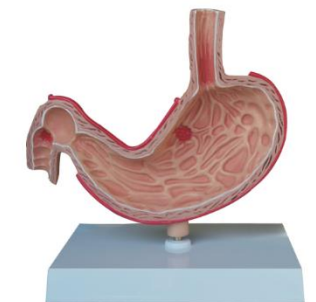
**Transparent Model of Stomach**

Art No: MH07051



**Human Stomach**

Art No: MH07052  
Life Size, 2 Parts



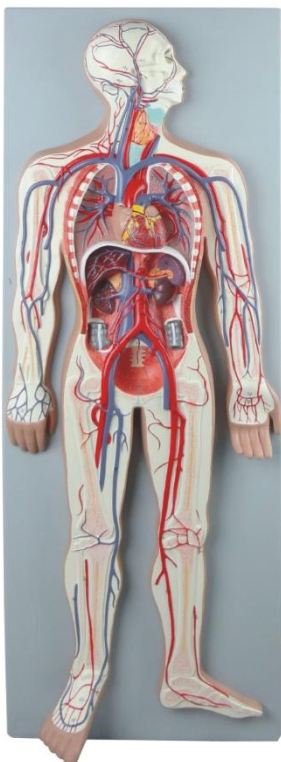
**Dissection Model of Diseased Stomach**

Art No: MH07053  
Life Size



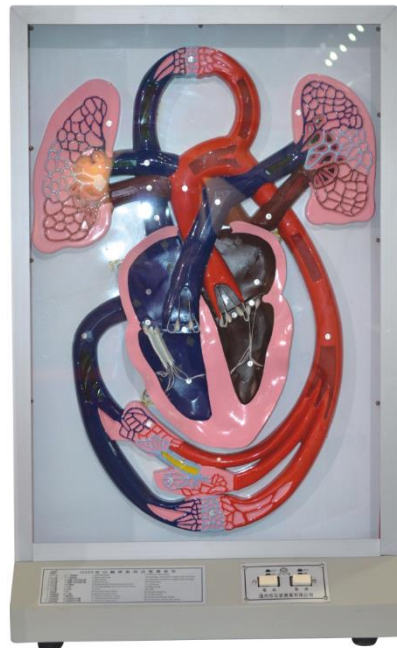
**Human Digestive System**

Art No: MH07050.01  
Size: 90x30x13cm, life size



**Blood Circulatory System**

Art No: MH07050.02  
1/2 natural size, 2 parts



**Electric Model of Heart Beat and Circulation**

Art No: MH07049  
Size: 420x220x700mm



**Model of Liver Cancer**

Art No: MH07056  
Life size



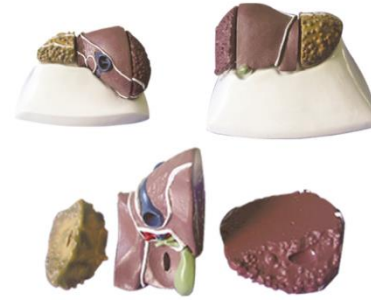
**Human Liver**

Art No: MH07060  
Natural size,  
Made of high quality PVC.  
On a base



**Stomach Model**

Art No: MH07054  
2x life size, 2 parts



**Model of Liver Cancer**

Art No: MH07055  
Life size



**Liver Section with Gallbladder**

Art No: MH07059  
1.5x life size



**Model of Liver**

Art No: MH07061  
Section of liver, spleen, pancreas,  
Duodenum and stomach  
Size: 240x180x60mm



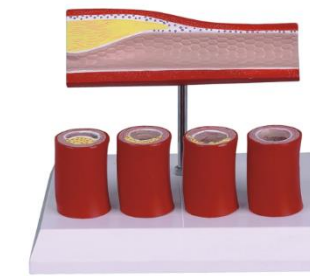
**Atherosclerosis and Thrombosis Model**

Art No: MH07062  
Size: 165x130x150mm



**4 Stage Artery Model**

Art No: MH07063



**Thrombosis Model**

Art No: MH07064  
Size: 15x13x18cm



**Model of Tracheal Pathology**

Art No: MH07065



**Model of Tracheal Pathology**

Art No: MH07066  
Size: 130x100x40mm



**Model of Pathological Prostate**

Art No: MH07067



**Normal and Diseased Prostate**

Art No: MH07068



**Model of Male Bladder and Prostate Coronal Section**

Art No: MH07069  
Life Size



**Model of Female Bladder Section**

Art No: MH07070  
Life size



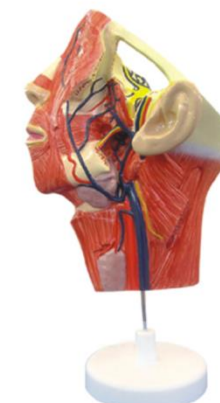
**Model of Bladder and Prostate Pathology**

Art No: MH07071  
Size: 120x120x170mm

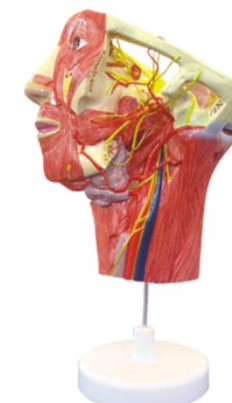


**Model of Ovary**

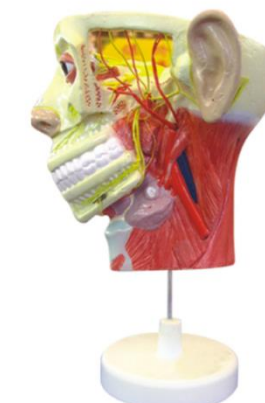
Art No: MH07072  
Enlarged, 225x158x160mm



MH07074A



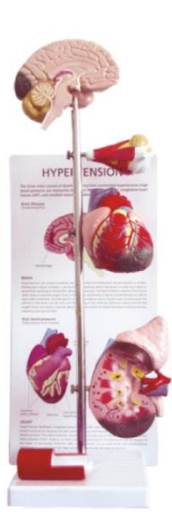
MH07074B



MH07074C

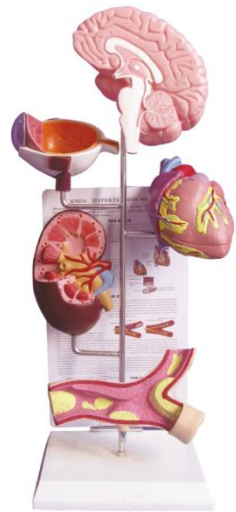
**Model of Vas and Nerves Distributing in Face and Cervix**

Art No: MH07074A  
MH07074B  
MH07074C  
Life Size



**Model of Hypertension**

Art No: MH07075  
Size: 120x120x450mm



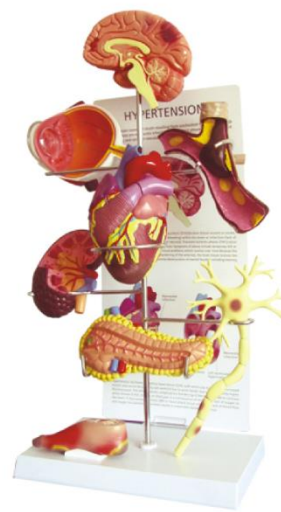
**Model of Hypertension**

Art No: MH07076  
Size: 200x140x500mm



**Model of Hypertension**

Art No: MH07077  
Size: 200x140x500mm



**Model of Diabetes**

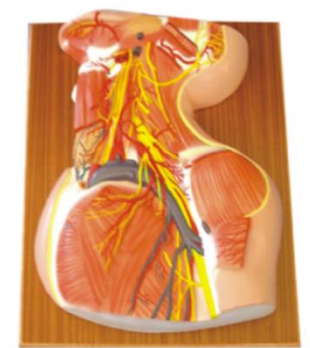
Art No: MH07078  
Size: 225x158x520mm



**Art No: MH07086**  
Size: Life size



**Art No: MH07087**  
Size: Life size



**Art No: MH07088**  
Size: Life size

**Dissection Model of Superior Nerves, Vas and Muscles in Cervix**



**Organs of Endocrine System**

Art No: MH07079  
Size: 620x60x290mm



**Model of Mediastinal Septum**

Art No: MH07080  
Size: 270x220x310mm, 3 parts



**Dissection Model of Hand**

Art No: MH07081  
Life size, 4 parts



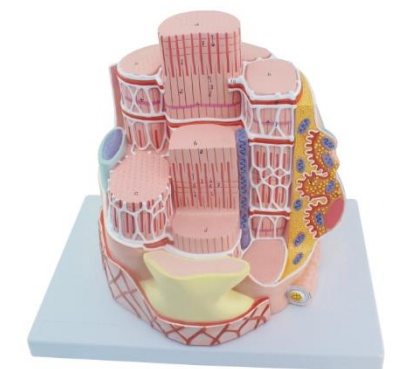
**Spinal Cord in the Spinal Canal**

Art No: MH07090  
Shows brain, cerebral nerves, spinal cord and nerves  
Size: Life size



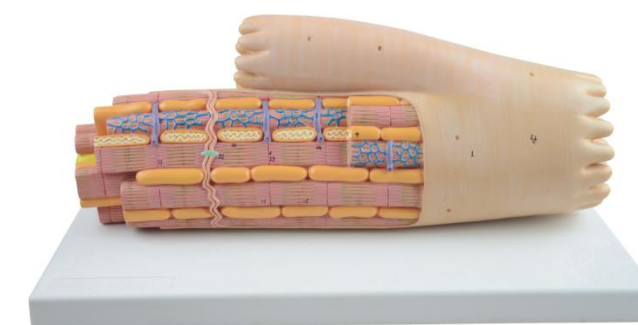
**Artery Model**

Art No: MH07092  
Size: 320x200x320mm, 20x life size



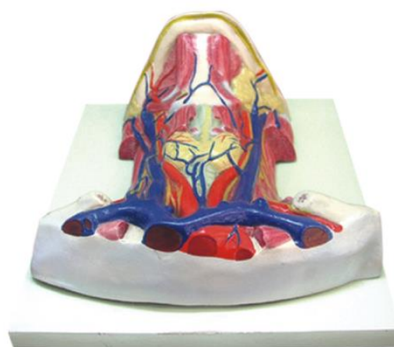
**Skeletal Muscle Fiber**

Art No: MH07093  
Enlarged approximately 40000x, shows the structure of skeletal muscle fibers.  
Size: 330x225x300mm



**Cardiac Muscle Structure Model**

Art No: MH07094  
Size: 420x300x200mm



**Regional Dissection Model of Muscles in Cervix**

Art No: MH07082  
Size: 220x210x100mm



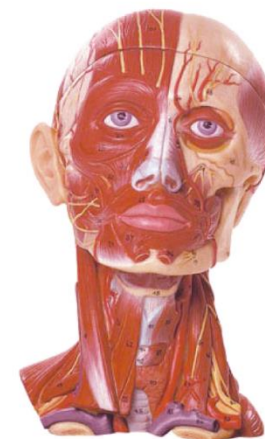
**Anatomy of the Hand**

Art No: MH07083  
Size: 2x life size



**Model of Trigeminal Nerves and Branches**

Art No: MH07084  
Size: Life size



**Dissection Model of Head and Cervix with Brain Nerves & Arteries**

Art No: MH07085  
Size: Life size



**Enlarged Model of Spinal Cord Transection**

Art No: MH07091  
Size: 280x250x90mm



**Microstructure of Smooth Muscle Model**

Art No: MH07095  
Size: 280 x 160 x 110 mm



**Human Skin Model**

Art No: MH08001  
Size: 200x150x155mm



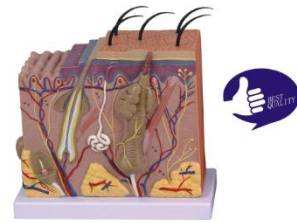
**Human Skin Model**

Art No: MH08002  
Size: 165x128x120mm



**Human Skin Model**

Art No: MH08003  
Size: 180x140x160mm



**Human Skin Model**

Art No: MH08004  
Size: 210x120x250mm, Best Quality, 50 times



**Block Model of Human Skin**

Art No: MH08005  
Size: 200x260x250mm, Best Quality, 70 times



**Human Skin Model**

Art No: MH08006  
Size: 160x50x150mm



**Human Skin Model**

Art No: MH08007  
Size: 270x100x310mm, 105 times



**Pathological Model of Human Skin**

Art No: MH08008



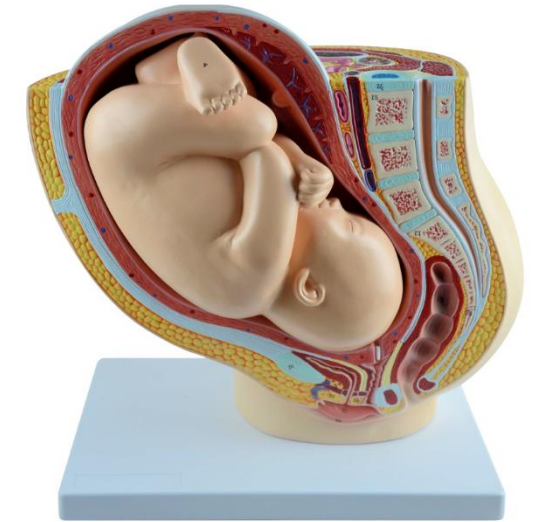
**Pelvis with Uterus in 9th Month of Pregnancy**

Art No: MH09001  
Size: 380x240x380mm



**Fetus Development Model Set**

Art No: MH09003  
Includes 5 uterus models to show the development of embryo and fetus. On a base. Natural size.



**Human Female Pelvis Section**

Art No: MH09004  
Life size



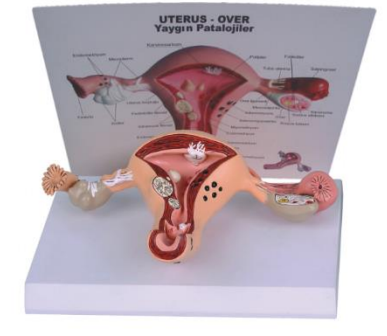
**Female Pelvis**

Art No: MH09005  
Mounted on a base.  
Size: 16x12x22cm



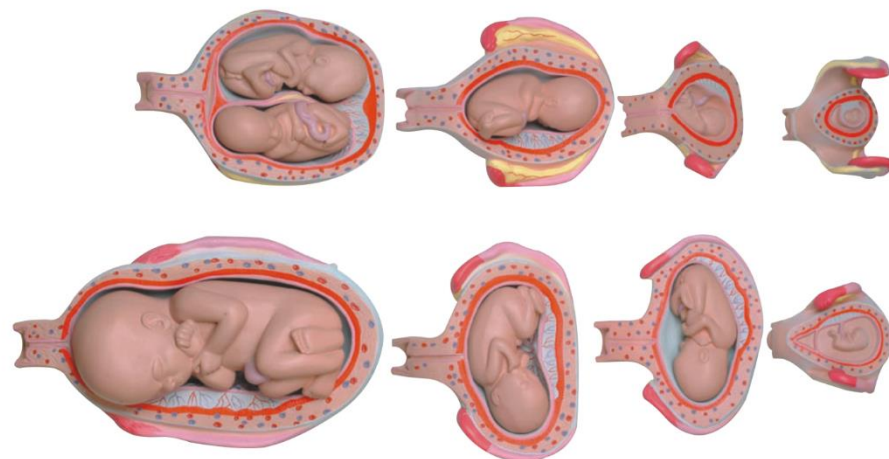
**Female Internal Genital Organ**

Art No: MH09006  
1.5 times enlarged, shows the open vagina, cervix, uterus, ovary. Mounted on a base.  
Size: 14x15x20cm



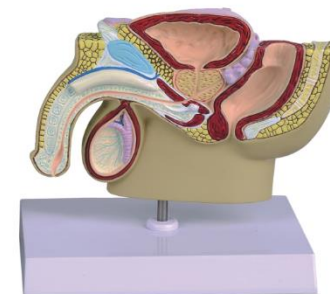
**Pathological Uterine Model**

Art No: MH09007.01, with card  
MH09007.02, without card  
Size: 22x16x10cm



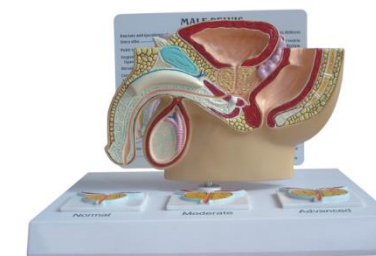
**Fetus Development Model Set**

Art No: MH09002  
Includes 8 uterus models to show the development of embryo and fetus. Each model on a base. Natural size.



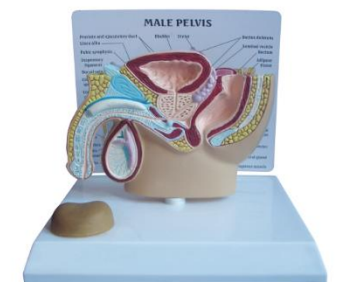
**Model of Male Pelvis**

Art No: MH09008  
Mounted on a base.  
Size: 13x15x16cm



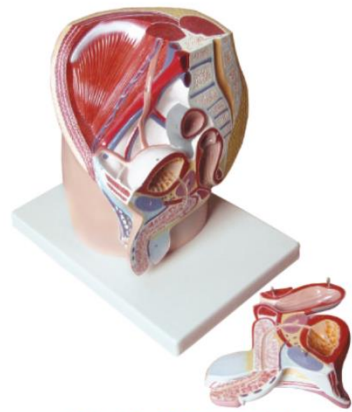
**Model of Male Pelvis**

Art No: MH09009  
Mounted on a base with card  
Size: 13x15x16cm



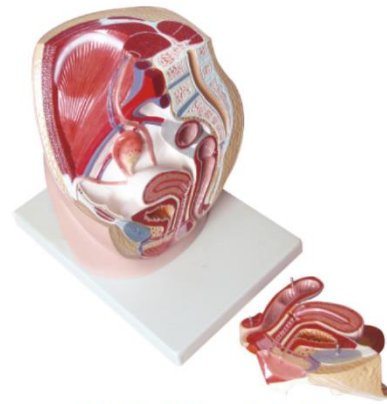
**Model of Male Pelvis**

Art No: MH09010  
Mounted on a base.  
With card and prostate  
Size: 13x15x16cm



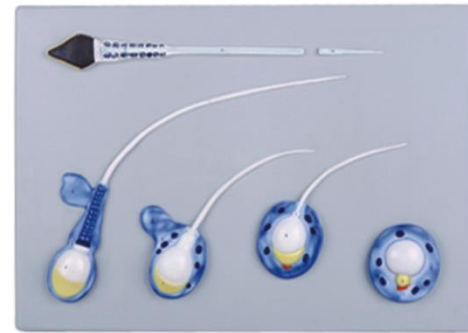
**Model of Male Pelvis**

Art No:MH09012  
2 parts  
Size: 230x180x260mm



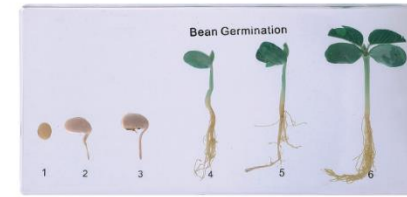
**Model of Female Pelvis**

Art No:MH09013  
2 parts  
Size: 230x210x250mm



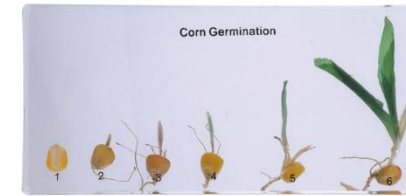
**Sperm Formation Model**

Art No: MH09016  
Size: 40x50x7cm



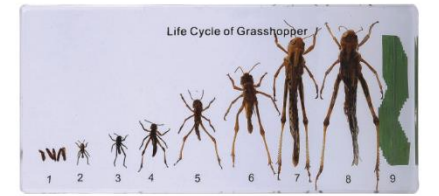
**Bean Germination**

Art No: M11001  
Size: 16.5x7.5x2cm



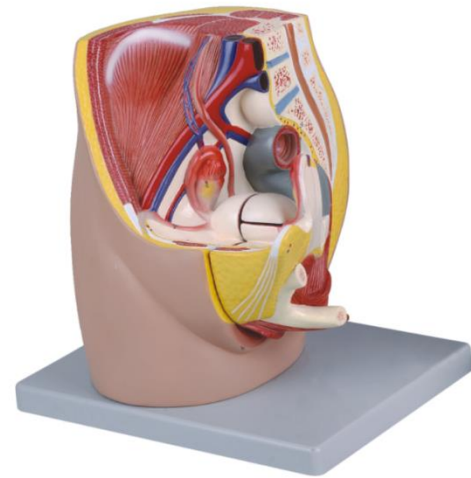
**Corn Germination**

Art No: M11002  
Size: 16.5x7.5x2cm



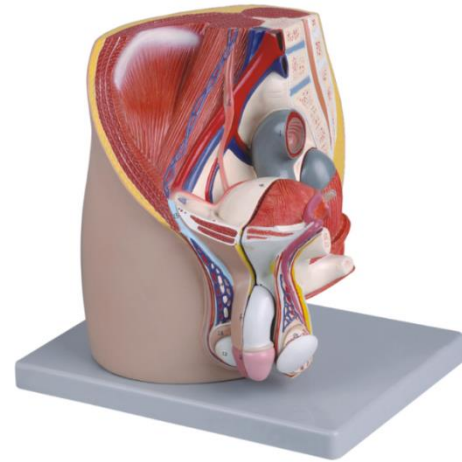
**Life Cycle of Grasshopper**

Art No: M11003  
Size: 16.5x7.5x2cm



**Female Pelvis, 3 parts**

Art No: MH09014  
This model shows the urinary and female reproductive system. Open through the medial sagittal section, 3 parts respectively are block pelvis, half reproductive system, and uterus cover. Natural size. On a base.  
Size:33x23x30cm



**Male Pelvis, 4 parts**

Art No: MH09015  
Open through the medial sagittal section of male pelvis, this model shows the internal organs of urinary and male reproductive system. 4 parts respectively are block pelvis, testis cover, half reproductive system, and half penis. Natural size. On a base.  
Size: 33x23x30cm



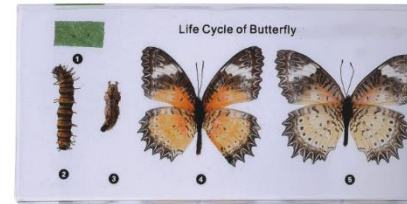
**Female Genital Organ**

Art No:MH09017  
Size:14x17x20cm



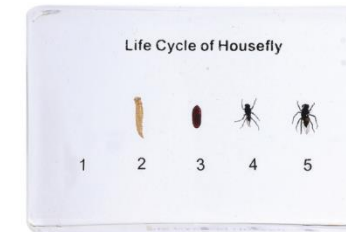
**Male Genital Organ**

Art No: MH09018  
Size: 14x17x20cm



**Life Cycle of Butterfly**

Art No: M11004  
Size: 16.5x7.5x2.3cm



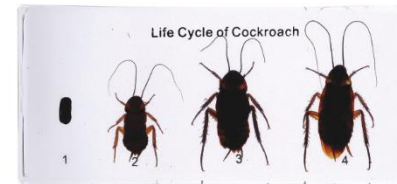
**Life Cycle of Housefly**

Art No: M11005  
Size: 8.5x5.5x2.3cm



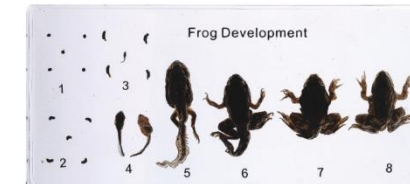
**Life Cycle of Honeybee**

Art No: M11006  
Size: 14x6.3x2cm



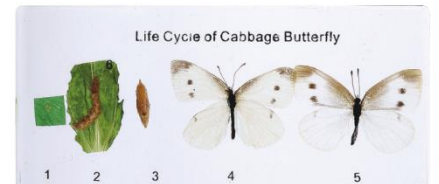
**Life Cycle of Cockroach**

Art No: M11007  
Size: 13.8x6.2x2cm



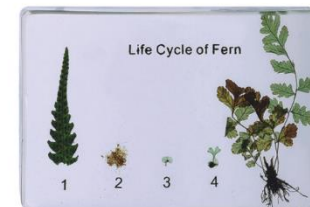
**Frog Development**

Art No: M11008  
Size: 13.8x6.2x1.5cm



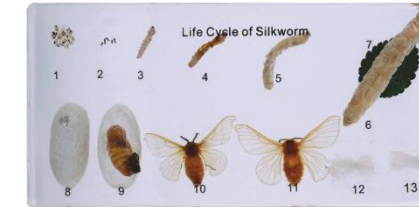
**Life Cycle of Cabbage Butterfly**

Art No: M11009  
Size: 13.8x6.5x1.8



**Life Cycle of Fern**

Art No: M11010  
Size: 8.5x5.5x1.5cm



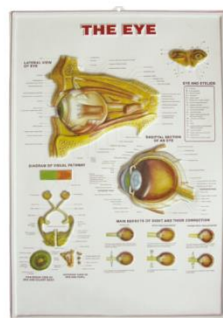
**Life Cycle of Silkworm**

Art No: M11011  
Size: 16.3x7.5x2cm



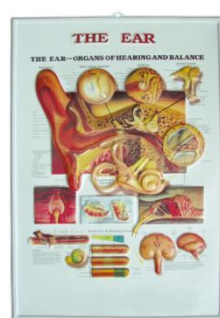
**Peanut Germination**

Art No: M11012  
Size: 16.3x7.5x2cm



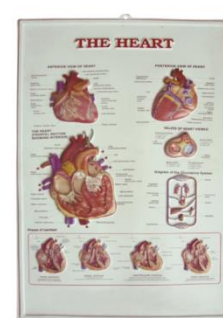
**Vision System, wall-mounted, 3D**

Art No: MH10001  
Size: 770x550x10mm



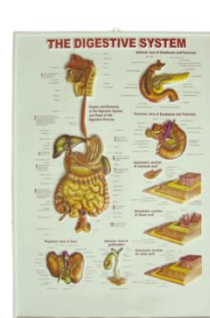
**Auditory System, wall-mounted, 3D**

Art No: MH10002  
Size: 770x550x10mm



**Heart, wall-mounted, 3D**

Art No: MH10003  
Size: 770x550x10mm



**Digestive System, wall-mounted, 3D**

Art No: MH10004  
Size: 770x550x10mm



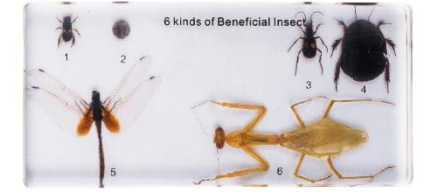
**Life Cycle of Dragonfly**

Art No: M11013  
Size:16.3x7.5x2cm



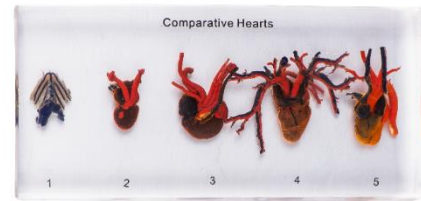
**6 Kinds of Pests**

Art No: M11014



**6 Kinds of Beneficial Insects**

Art No: M11015



**5 Comparative Hearts**

Art No: M11016



**5 Comparative Brains**

Art No: M11017



**Life Cycle of Silkworm**

Art No: M11018



**Cell Division Model, 8 parts**

Art No: M12003  
Each mounted on a base.



**Life Cycle of Bean**

Art No: M11019



**Life Cycle of Corn**

Art No: M11020



**Life Cycle of Grasshopper**

Art No: M11021



M12004

**Animal Cell Model**

Art No: M12004  
Animal cell model, 20000x enlarged, shows typical animal cell structure and all cellular organs.



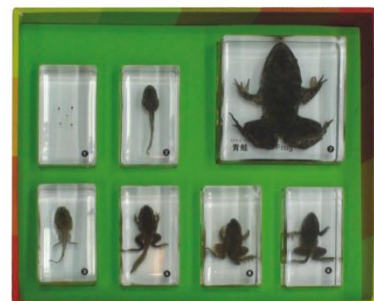
**Blood Cell Model**

Art No: M12005  
Size: 53x38x6.5cm



**Plant Cell Model, 20000x**

Art No: M12006  
Size: 42x30x8cm



**Frog Development**

Art No: M11022



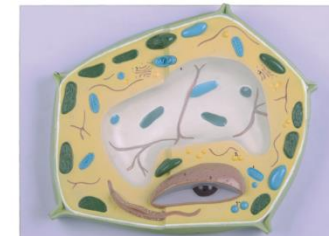
**Life Cycle of Bee**

Art No: M11023



**Life Cycle of Cabbage Butterfly**

Art No: M11024



M12007

**Plant Cell Model, 20000x**

Art No: M12007  
Size: 42x30x8cm, Best Quality



**Cell Membrane**

Art No: M12008  
Size: 300x200x150mm



**Model of 7 Different Hearts**

Art No: M12009  
Set of 7pcs



**Life Cycle of Dragonfly**

Art No: M11025



**Plant Transpiration Model**

Art No: M11026  
Size: 31x21x12cm



**Plant Transpiration Model**

Art No: M11027  
Size: 31x21x12cm



**Model of 5 Different Brains**

Art No: M12010  
Brains of fish, frog, lizard, pigeon & dog



**Dicot Stem Model (1 Year Limon Tree), 120x**

Art No: M13000  
Shows the dicot stem of 1 year old plant, sectioned both in transverse and longitudinal direction. Enlarged about 120 times. Made of high quality PVC. On a base.



**Monocot Stem Model**

Art No: M13001  
Size: 42x13x41cm



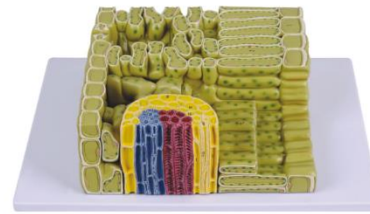
**Dicotyledom Stem Model**

Art No: M13002  
Shows the typical structures of the dicot stem.  
On base.  
Size: 40x40x30cm



**Leaf Structure Model**

Art No: M13003  
Size: 45x25x17cm



**Dicot Leaf Section Model**

Art No: M13004  
Size: 40x30x11cm



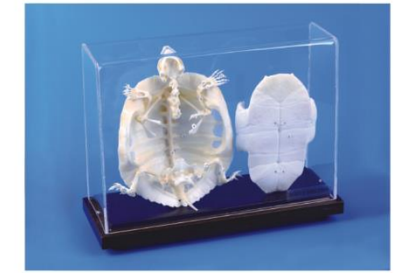
**Fish Skeleton**

Art No: M14001  
Size: 24x10x7.3cm



**Rabbit Skeleton**

Art No: M14002  
Size: 34.5x18x10.5cm



**Turtle Skeleton**

Art No: M14003  
Size: 22x16.3x8cm



**Peach flower**

Show all features of typical dicot flower.  
Art No: M13005.01  
Size: 40x40x30cm, 8x  
Art No: M13005.02  
Size: 32x22x22cm, 5x



**Peach flower**

Art No: M13005-B  
Shows all features of typical dicot flower  
Size: 230x230x230mm



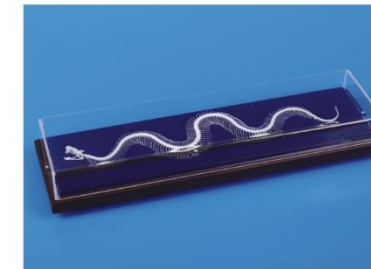
**Dicot Herbaceous Stem Section**

Art No: M13006  
300X Life size  
Size: 42.5x29x9cm



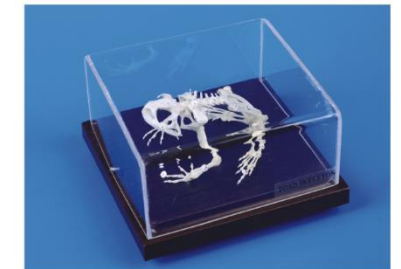
**Pigeon Skeleton**

Art No: M14004  
Size: 15.6x21.8x12.8cm



**Snake Skeleton**

Art No: M14005  
Size: 34.5x10.8x5cm



**Toad Skeleton**

Art No: M14006  
Size: 13.3x13.3x7.8cm



**Dicot Arboreal Stem Section**

Art No: M13007  
300X Life size  
Size: 43.5x23.5x7cm



**Monocot Stem Section**

Art No: M13008  
400X Life size  
Size: 25.5x21x5cm



**Monocot Leaf Section**

Art No: M13009  
300X Life size  
Size: 45x23x7cm



**Metamorphosis of the Stems**

Art No: M15001



**Germination of Seeds**

Art No: M15002



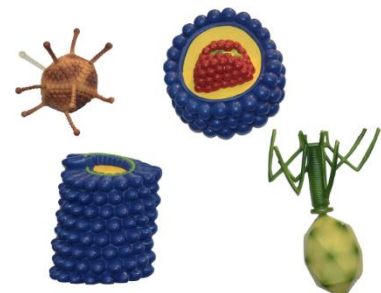
**Specimen of Legumina Growing History**

Art No: M15003



**Hydra Model, 4 Parts**

Art No: M13010



**Various Types of Viruses, Set of 4**

Art No: M13011  
Including HIV virus, Tobacco Mosaic virus, Adenovirus and Bacteriophage T4  
Mounted on board



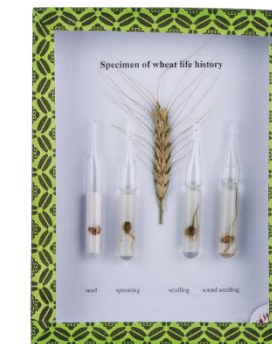
**Frog Model, 5 Parts**

Art No: M13012  
Size: 3X life size



**Specimen of Brake Fern Life History**

Art No: M15004



**Specimen of Wheat Life History**

Art No: M15005



**Specimen of Different Root Types**

Art No: M15006



Specimen of 10 Butterflies

Art No: M15007



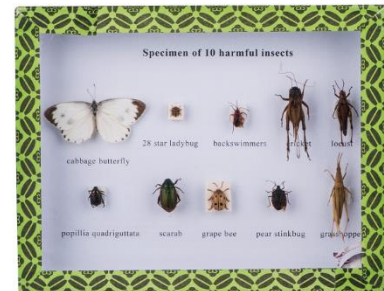
Specimen of 10 Beneficial Insects

Art No: M15008



Specimen of 20 Beneficial Insects

Art No: M15009



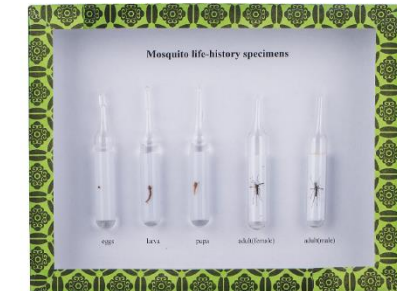
Specimen of 10 Harmful Insects

Art No: M15010



Specimen of 25 Harmful Insects

Art No: M15011



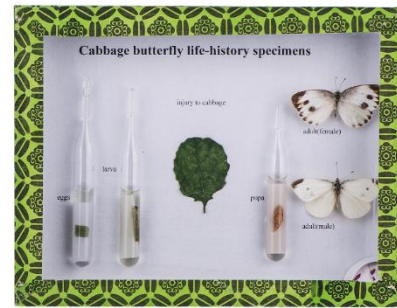
Specimen of Mosquito Life History

Art No: M15012



Specimen of Silkworm Life History

Art No: M15013



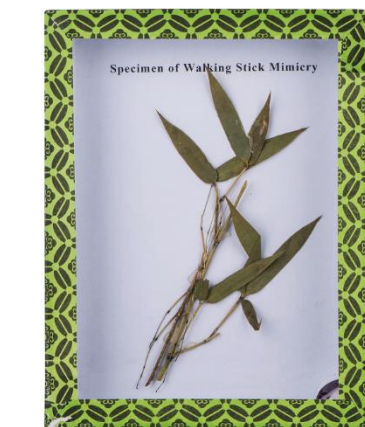
Specimen of Cabbage Butterfly Life History

Art No: M15014



Specimen of Locust Life History

Art No: M15015



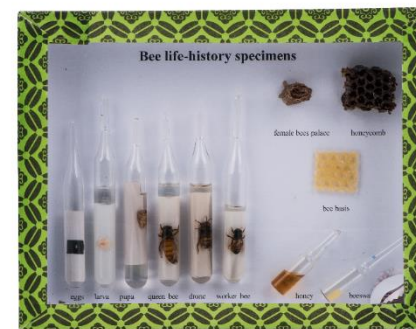
Specimen of Walking Stick Mimicry

Art No: M15016



Specimen of Housefly Life History

Art No: M15017



Specimen of Bee Life History

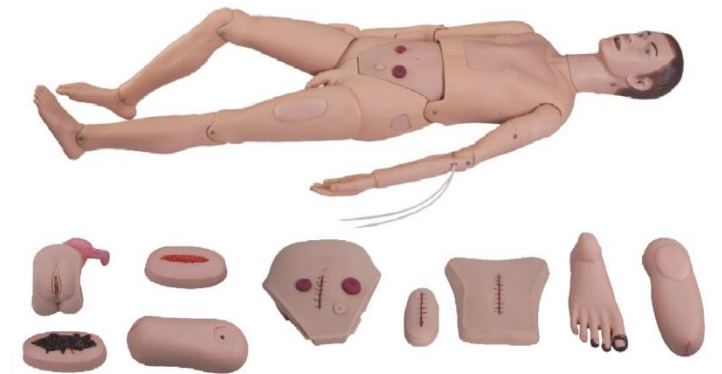
Art No: M15018

2100 Combination Nursing Manikin

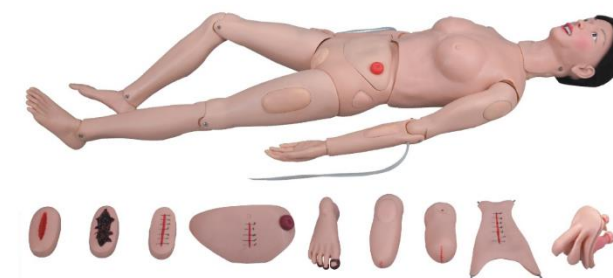
Art No: M16001

Features:

1. Hair and face washing
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Tracheotomy care
6. Sputum suction
7. Oxygen inhaling
8. Oral and nasal feeding
9. Gastrolavage
10. Main organs in the thoracic cavity
11. Venipuncture, injection, blood transfusion (Arm)
12. Deltoid subcutaneous injection
13. Vastus lateralis injection
14. Thoracic cavity, abdominal cavity, liver, bone marrow and lumbar puncture
15. Enema
16. Female urethral catheterization
17. Male urethral catheterization
18. Female bladder irrigation
19. Male bladder irrigation
20. Ostomy
21. Buttocks intramuscular injection
22. Holistic nursing: sponge bath, replacing clothes



23. Limbs joints: bend, rotation and upper or lower movement
- 1) Chest wall section and suture incision
- 2) Abdomen wall section and suture incision
- 3) Thigh section and suture incision
- 4) Tear of the thigh skin
- 5) Infective ulcer of thigh
- 6) Foot sphacelus,decubitus ulcers of first ,second ,third toes and heelstick
- 7) Amputation stump of upper arm
- 8) Amputation stump of leg



2200 Female Nursing Manikin

Art No: M16002

Features:

1. Hair and face washing
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Tracheotomy care
6. Sputum suction
7. Oxygen inhaling
8. Oral and nasal feeding
9. Gastrolavage
10. Breast Care and inspection
11. Main organs in abdominal cavity
12. Venipuncture, injection, blood transfusion (Arm)
13. Deltoid subcutaneous injection
14. Vastus lateralis injection
15. Thoracic cavity, abdominal cavity, liver, bone marrow and lumbar puncture
16. Enema
17. Female urethral catheterization
18. Female bladder irrigation
19. Ostomy
20. Buttocks intramuscular injection
21. Holistic nursing: sponge bath, replacing clothes
22. Limbs joints : bend ,rotation and upper or lower movement
- 1) Chest wall section and suture incision
- 2) Abdomen wall section and suture incision
- 3) Thigh section and suture incision
- 4) Tear of the thigh skin
- 5) Infective ulcer of thigh
- 6) Foot sphacelus,decubitus ulcers of first ,second ,third toes and heelstick
- 7) Amputation stump of upper arm
- 8) Amputation stump of leg



### 2300 Full-functional Nursing Manikin(Blood Pressure Simulator)

Art No: M16003

**Features:**

1. Hair and face washing
2. Eye and ear washing and administering
3. Mouth cavity and artificial teeth care
4. Endotracheal intubation
5. Tracheotomy care
6. Sputum suction
7. Oxygen inhaling
8. Oral and nasal feeding
9. Gastrolavage
10. Main organs in thoracic cavity
11. Main organs in abdominal cavity
12. Venipuncture, injection, blood transfusion (Arm)
13. Deltoid subcutaneous injection
14. Vastus lateralis injection
15. Thoracic cavity, abdominal cavity, liver, bone marrow and lumbar puncture
16. Enema
17. Female urethral catheterization
18. Male urethral catheterization



19. Female bladder irrigation
20. Male bladder irrigation
21. Ostomy
22. Buttocks intramuscular injection
23. Holistic nursing: sponge bath, replacing clothes, cold and heat therapy
24. Limbs joints: bend, rotation and upper or lower movement
25. Trauma evaluation and care: washing, disinfection, enswathing of the wound; hemostasis and bandaging

### G111 Full Functional Trauma Nursing Manikin

Art No: M16004

**Features:**

1. With all functions of KAR/2100
  - 1) Hair and face washing
  - 2) Eye and ear washing and administering
  - 3) Mouth cavity and artificial teeth care
  - 4) Endotracheal intubation
  - 5) Tracheotomy care
  - 6) Sputum suction
  - 7) Oxygen inhaling
  - 8) Oral and nasal feeding
  - 9) Gastrolavage
  - 10) Main organs in the thoracic cavity
  - 11) Venipuncture, injection, blood transfusion (Arm)
  - 12) Deltoid subcutaneous injection
  - 13) Vastus lateralis injection
  - 14) Thoracic cavity, abdominal cavity, liver, bone marrow and lumbar puncture
  - 15) Enema
  - 16) Female urethral catheterization
  - 17) Male urethral catheterization
  - 18) Female bladder irrigation
  - 19) Male bladder irrigation
  - 20) Ostomy
  - 21) Buttocks intramuscular injection
  - 22) Holistic nursing: sponge bath, replacing clothes
2. Trauma modules are increased.
- 1) Facial burn: 1, 2, 3 degree
  - 2) Laceration in forehead
  - 3) The wound in jaw
  - 4) Opened clavicular fracture and contusion wound on the chest
  - 5) The wound in abdomen with small intestine evisceration
  - 6) Opened humerus fracture of right upper arm
  - 7) Opened fracture of right hand (including parenchyma laceration, fracture and bone tissue exposure)
  - 8) Gun wound in the right palm
  - 9) Opened fracture of right thighbone
  - 10) Compound femur fracture of left thigh
  - 11) Metal pricking wound in right thigh
  - 12) Opened tibia fracture of right leg



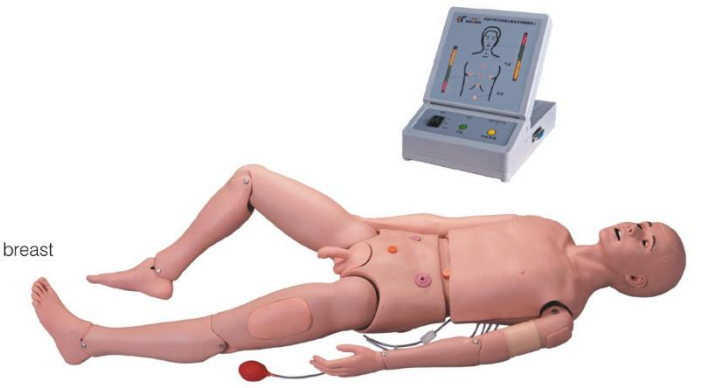
- 13) Opened fracture of right foot with truncating trauma on small phalanx
- 14) Burns in left forearm: 1, 2, 3 degree
- 15) Truncating trauma on left thigh
- 16) Closed tibia fracture of right leg and contusion wounds in left ankle and foot.
- 17) Chest wall section and suture incision
- 18) Abdomen wall section and suture incision
- 19) Thigh section and suture incision
- 20) Tear of the thigh skin
- 21) Infective ulcer of thigh
- 22) Foot sphacelus, decubitus ulcers of first, second, third toes and heelstick
- 23) Amputation stump of upper arm
- 24) Amputation stump of leg

### 3000 Advanced Adult Nursing Manikin

Art No: M16005

**Features:**

1. CPR training:
  - 1) Simulate standard open airway
  - 2) LCD counter display: The screen LCD display artificial respiration, external breast compression and pulse reaction
  - 3) Operation methods: exercise operation; examine operation
  - 4) Operating cycle of examine operation: one cycle includes five times of 30:2 ratio of compression and artificial respiration
2. Carotid pulse
3. Pupil teach: dilated pupil, normal pupil
4. External ear canal flushing
5. Oxygen inhalation, aerosol inhalation therapy
6. Nasogastric surgery
7. Gastric lavage
8. Intramuscular injection
9. Subcutaneous of the left arm
10. Intravenous injection of the right arm
11. Stoma care: gastrostomy, bladder stoma, Colostomy, ileal stoma



12. Men and women genital interchangeable, catheterization, indwelling catheter and bladder irrigation
  13. Decubitus care: the congestion stage, ulcers stage
  14. Enema operation
- Optional:**
1. Blood pressure measurement arm

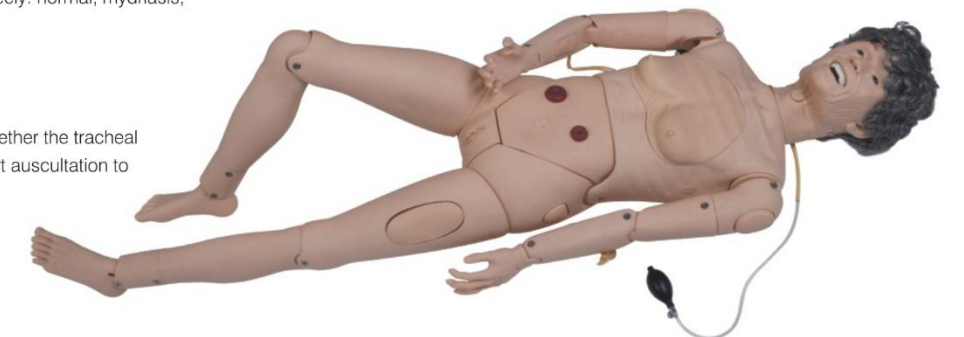
### 220B Full Functional Elderly Nursing Manikin (Female)

Art No: M16006

This manikin is designed according to the physiological characteristics of female old people for basic clinical nursing training. It consists of full body female elderly manikin and non-invasive blood pressure simulator, with about 50 kinds of nursing functions. Made of high quality PVC, realistic shape as human, easily washable. It helps nursing workers understand and care for old people during the nursing process.

**Basic nursing functions:**

1. Hair and face washing
2. Pupil observation, Pupil LCD is CSTN pseudo-color, 65k color, RGB. Diameter range is 1-9mm. Simulate pupil states freely: normal, mydriasis, and myosis, etc
3. Eye and ear washing and administering
4. Removal and insertion of hearing aid
5. Mouth cavity and artificial teeth care
6. Endotracheal intubation, automatically monitor whether the tracheal intubation is correct or not through sensor; support auscultation to detect intubation site
7. Incision of trachea nursing
8. Sputum suction
9. Oxygen inhaling
10. Oral and nasal feeding
11. Gastrolavage
12. Venipuncture, injection, transfusion (arm)
13. Deltoid subcutaneous injection
14. Vastus lateralis injection
15. Thoracic cavity, abdominal cavity, liver, bone marrow and lumbar puncture
16. Breast nursing, mammary gland examination
17. Enema
18. Male/female urethral catheterization
19. Male/female bladder injection
20. Stoma drainage
21. Colostomy
22. Buttocks intramuscular injection
23. Large area of sacral ulcer
24. Cancer tumor contrast
25. Cleavage lines contrast
26. Holistic nursing: sponge bath, replacing clothes, cold and hot therapy



27. Realistic limbs joint, stiff simulated joints, truck may lean forward, can sit it the wheelchair
- 1) Truck- rotation, flexibility
  - 2) Neck- rotation, flexibility, lateral curvature
  - 3) Shoulder and buttock- endoduction, abduction, rotation, flexibility
  - 4) Elbow-internal rotation, external rotation
  - 5) Knee- internal rotation, external rotation
  - 6) Wrist-internal rotation, flexibility, stretching, bending
  - 7) Ankle- introversion, eversion, endoduction, abduction
28. Non-invasive blood pressure measurement
  - 1) Systolic and diastolic pressure may be set individually in steps of 1mmHg
  - 2) Systolic pressure 0-300mmHg, diastolic pressure 0-300Hg
  - 3) Korotkoff sound volume in ten steps, 0-9



**Plastic Student Microscope Set**

Art No: PMC150X, Power: 150x  
Plastic Student Microscope Set, Unassembled



**Plastic Student Microscope Set**

Art No: PMC900X  
Power: 100x, 300x, 600x and 900x



**Plastic Student Microscope Set**

Art No: PMC600X  
Power: 100x, 300x and 600x



**Plastic Student Microscope Set**

Art No: PMC300X  
Power: 300x



**Plastic Student Microscope Set**

Art No: PMC1200X  
Power: 300x, 600x and 1200x

**XSP-136A**

Monocular 45° inclined, 360° rotatable,  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S), 100X(S) oil  
Double layer mechanical stage 120mmx125mm  
Moving range: 70mmx30mm  
N.A. 1.25 Abbe condenser with iris diaphragm  
and filter  
Coaxial coarse and fine focusing adjustment  
Halogen Lamp: 6V/20W, 110V/220V



**XSP-136B  
Binocular Microscope**

Articulated Binocular 30° inclined, 360°  
rotatable.  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S), 100X(S) oil  
Double layer mechanical stage  
120mm x 125mm  
Moving range: 70mm x 30mm  
N.A. 1.25 Abbe condenser with iris  
diaphragm and filter  
Coaxial coarse and fine focusing adjustment  
Halogen Lamp: 6V/20W, 110V/220V



**XSP-136T  
Trinocular Microscope**

Articulated Trinocular 30° inclined  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S), 100X(S) oil  
Double layer mechanical stage  
120mm x 125mm  
Moving range: 70mm x 30mm  
N.A. 1.25 Abbe condenser with iris  
diaphragm and filter  
Coaxial coarse and fine focusing adjustment  
Halogen Lamp: 6V/20W, 110V/220V



**XSZ-107BN  
Binocular Microscope**

Sliding binocular head, 45° inclined, 360° rotatable,  
Eyepiece: WF10X, WF16X  
Objectives: 4X, 10X, 40X(S), 100X(S) oil  
Double layer mechanical stage 140mm X 155mm  
Moving range: 70mm X 50mm  
N.A. 1.25 Abbe condenser with  
iris diaphragm and filter  
Coaxial coarse and fine focusing  
adjustment, precision: 0.002mm  
Halogen Lamp: 6V/20W, 110V/220V  
Best seller



**XSZ-107TR  
Trinocular Microscope**

Sliding Trinocular head, 45° inclined, 360° rotatable,  
Eyepiece: WF10X, WF16X  
Objectives: 4X, 10X, 40X(S), 100X(S) oil  
Double layer mechanical stage  
140mm X 155mm  
Moving range: 70mm X 50mm  
N.A. 1.25 Abbe condenser with  
iris diaphragm and filter  
Coaxial coarse and fine focusing  
adjustment, precision: 0.002mm  
Halogen Lamp: 6V/20W, 110V or 220V



**XSP-102  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S)  
Stage: Plain stage with slide clips,  
size: 110mmx120mm  
Condenser: N.A. 0.65 Abbe condenser  
with disc diaphragm  
Focusing: Coaxial fine and coarse  
focusing adjustment  
Focusing Range: 20mm  
Illumination: Halogen Lamp,  
220V/20W(or 110V)



**XSP-104  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S), 100X(oil)  
Stage: Double layer mechanical  
stage 115mmx125mm  
Condenser: N.A. 1.25 Abbe condenser  
with iris diaphragm and filter  
Focusing: Coaxial fine and coarse  
focusing adjustment  
Focusing Range: 20mm  
Illumination: Halogen Lamp,  
220V/20W(or 110V)



**XSP-3A  
Monocular Microscope**

Eyepiece: 12.5X  
Objective: 16X  
Illumination: Concave-plan reflector, Dia 40mm  
Working Stage: 100mmx90mm



**L101  
Monocular Microscope**

Eyepiece: 5X, 10X and 15X  
Objective: 5X, 10X and 45X  
Total Magnification: 25X – 675x  
Illumination: Concave-plan reflector, Dia 50mm  
Coarse Adjustment Range: 50mm  
Fine Adjustment Range: 1.8mm~2.2mm  
Working Stage: Round, 120mm Dia  
Packing: Wooden case or foam carton



**XSP-61  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S)  
Total Magnification: 40X~400x  
Illumination: Incandescent Lamp  
.220V/20W(or 110V)  
Coarse Adjustment Range: 22mm  
Fine Adjustment Range: 1.3mm  
Working Stage: 120mmx130mm  
Condenser: N.A. 0.65 Abbe condenser with  
disc diaphragm



**XSP-13A  
Monocular Microscope**

Eyepiece: 5X, 10X and 12.5X  
Objective: 10X, 40X and 100X  
Total Magnification: 50X~1250x  
Illumination: Concave-plan reflector, Dia 50mm  
Coarse Adjustment Range: 50mm  
Fine Adjustment Range: 1.8mm~2.2mm  
Working Stage: 110mmx120mm with moving scale  
N.A. 1.25 Abbe condenser with iris  
diaphragm and filter  
Electrical Illumination: Optional  
Packing: Wooden case



**BM-100FL  
Binocular Microscope**

Sliding Binocular Head, 45° inclined, 360° rotatable  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S), 100X(S)  
Total Magnification: 40X~1000x  
Illumination: Halogen Lamp, 220V/20W(or 110V)  
Separated coarse and fine adjustment  
Working Stage: 110mm x 120mm  
Condenser: N.A. 1.25 Abbe condenser with  
iris diaphragm



**XSP-116L  
Monocular Microscope**

Monocular 30° inclined  
Eyepiece: WF10X  
Objectives: 4X, 10X, 40X(S)  
Stage: Plain stage with slide clips,  
size: 90mmx90mm  
Condenser: N.A. 0.65 condenser  
with disc diaphragm  
Focusing: Coarse focusing adjustment  
Illumination: Incandescent Lamp,  
220V/20W(or 110V)



**XSP-116FB  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objectives: 4X, 10X, 40X(S)  
 Stage: Plain stage with slide clips, size: 90mmx90mm  
 Condenser: Single lens with disc diaphragm  
 Focusing: Coaxial fine and coarse focusing adjustment  
 Fine Focusing Scale Precision: 0.002mm  
 Illumination: Incandescent Lamp, 220V/20W (or 110V)



**XSP-116NL  
Monocular Microscope**

Monocular 45° inclined  
 Eyepiece: WF10X  
 Objectives: 4X, 10X, 40X(S)  
 Stage: Plain stage with slide clips, size: 90mmx90mm  
 Condenser: Single lens with disc diaphragm  
 Focusing: Coarse focusing adjustment  
 Illumination: Incandescent Lamp, 220V/20W (or 110V)



**XSP-42  
Monocular Microscope**

Monocular head, 45° inclined  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage: Plain stage with moving scale, 90x90mm  
 Condenser: 0.65 single lens condenser and disc diaphragm  
 Focusing: Coarse focusing adjustment  
 Illumination: LED illumination, both top and bottom light



**XSP-42XT  
Digital Microscope**

The same microscope as XSP-42, but added with digital eyepiece, and some other accessories, like one box of preparer slides, 4 plastic bottles, and one tweezer in a plastic brief case



**XSP-116B  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objectives: 4X, 10X, 40X(S)  
 Stage: Plain stage with slide clips, size: 90mmx90mm  
 Condenser: Single lens with disc diaphragm  
 Focusing: Coaxial fine and coarse focusing adjustment  
 Fine Focusing Scale Precision: 0.002mm  
 Illumination: Incandescent Lamp, 220V/20W (or 110V)



**XSP-116F  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objectives: 4X, 10X, 40X(S)  
 Stage: Plain stage with slide clips, size: 90mmx90mm  
 Condenser: Single lens with disc diaphragm  
 Focusing: Coarse focusing adjustment  
 Illumination: Incandescent Lamp, 220V/20W (or 110V)



**XSP-43  
Monocular Microscope**

Monocular head, 45° inclined  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage: Plain stage with clips, 90x90mm  
 Condenser: 0.65 single lens condenser and disc diaphragm  
 Focusing: Coarse focusing adjustment  
 Illumination: LED illumination



**XSP-43XT  
Digital Microscope**

The same microscope as XSP-43, but added with digital eyepiece, and some other accessories, like one box of prepared slides, 4 plastic bottles, one tweezer and 2 batteries. In a plastic brief case



**XSP-01  
Monocular Microscope**

Eyepiece: 10X and 12.5X  
 Objective: 4X, 10X and 40X  
 Total Magnification: 40X-500X  
 Working Stage: 110mmx120mm with slide clips  
 Condenser: Disc diaphragm  
 Focusing: Separated coarse and fine adjustment  
 Coarse Adjustment Range: 50mm  
 Fine Adjustment Range: 1.8mm-2.2mm  
 Illumination: Concave-plan reflector, Dia 50mm  
 Eyepiece 16X optional  
 Packing: Foam carton



**XSP-41  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X and 40X(S)  
 Illumination: Concave-plan reflector, Dia 40mm  
 Coarse Adjustment Range: 8mm  
 Condenser: N.A.0.65 condenser with disc diaphragm  
 Working Stage: 90mmx90mm



**XSP-44  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X and 40X(S)  
 Illumination: LED  
 Coarse Adjustment Range: 15mm  
 Condenser: N.A.0.65 condenser with disc diaphragm  
 Working Stage: 90mmx90mm



**XSP-44XT  
Digital Microscope**

The same microscope as XSP-44, but added with digital eyepiece, and some other accessories, like one box of prepared slides, 4 plastic bottles, one tweezer and 2 batteries. In a plastic brief case



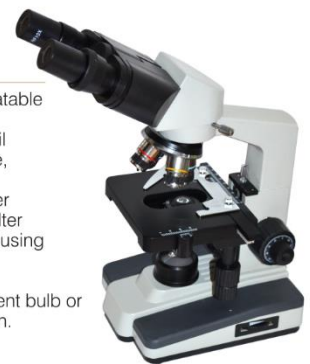
**XSP-200D  
Monocular Microscope**

Monocular head, 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S), 100X(S) oil  
 Stage: Double layer mechanical stage, 115x125mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Coaxial coarse and fine focusing adjustment  
 Illumination: Halogen bulb, 6V/20W, AC220V/110V  
 Incandescent bulb or LED illumination for option.



**XSP-200E  
Binocular Microscope**

Binocular head, 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S), 100X(S) oil  
 Stage: Double layer mechanical stage, 115x125mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Coaxial coarse and fine focusing adjustment  
 Illumination: Halogen bulb, 6V/20W, AC220V/110V Incandescent bulb or LED illumination for option.



**XSP-45  
Monocular Microscope**

Monocular 45° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X and 40X(S)  
 Illumination: Top and bottom LED light  
 Coarse Adjustment Range: 13mm  
 Condenser: N.A.0.65 condenser with disc diaphragm  
 Working Stage: 90mmx90mm



**XSP-45LCD  
Digital Microscope**

LED Display monitor  
 Camera: 2.0MP COMS Chip, Resolution 1600x1200  
 Display monitor: 3.6" TFT in focus display  
 Resolution 960x240  
 Memory: 32MB  
 USB Line: USB2.0 MINI  
 Exterior memory: SD Card Slot  
 Digital focal variation: 8X  
 Power: DC-5V, 1A  
 Microscope  
 Total Magnification: 40x ~ 400x  
 Eyepiece: WF10x LED Display monitor  
 Objectives: 4x 10x 40xs  
 Eyepieces Tube : Monocular 45°  
 Inclined Tube Rotatable 360°  
 Lighting System: Top and Bottom Light, LED Electrical Illumination  
 Work distance: 27mm  
 Coarse movement distance: 13mm  
 Working area: 90mmx90mm with a mobile foot  
 Condenser: 0.65 condenser, pulling plate light bar



**M-100FL**  
Monocular Microscope

Monocular head, 45°inclined, 360°rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage Size: 110X120mm  
 Condenser: 0.65 single lens condenser and disc diaphragm  
 Focus: Separated coarse and fine focusing mechanism  
 Illumination: Built-in electrical illuminator, tungsten bulb.  
 Halogen, fluorescent bulbs or LED illumination for option.



**PH-20**  
Monocular Microscope

Monocular head, 45°inclined, 360°rotatable  
 Eyepiece: WF10X, WF16X  
 Objective: 4X, 10X, 40X(S)  
 Round Stage: Diameter 90mm with clips  
 Condenser: 0.65 single lens condenser and disc diaphragm  
 Focusing: Separated coarse and fine focusing mechanism  
 Illumination: LED illumination system, light adjustable



**XSP-300M**  
Monocular Microscope

Achromatic Objectives: 4X, 10X, 40X(S), 100X(S, Oil)  
 Eyepiece: Wide Field Eyepiece: WF10X, (WF16X optional)  
 Viewing head: Monocular Head  
 Stage: Double Layer Mechanical  
 Stage Size 115X125mm  
 Focusing: Coaxial Coarse and Fine Adjustment, Focusing Range 30mm, Focusing Interval 0.002mm  
 Condenser: Abbe NA=1.25 with Iris Diaphragm&Filter  
 Illumination: LED(1W) Lamp 220V or 110V;( LED 3W lamp optional, Halogen bulb 6V/20W optional)



**XSP-300B**  
Binocular Microscope

Achromatic Objectives: 4X, 10X, 40X(S), 100X(S, Oil)  
 Eyepiece: Wide Field Eyepiece: WF10X, (WF16X optional)  
 Viewing head: Binocular Head, 45° Inclined  
 Stage: Double Layer Mechanical  
 Stage Size 115X125mm  
 Focusing: Coaxial Coarse and Fine Adjustment, Focusing Range 30mm, Focusing Interval 0.002mm  
 Condenser: Abbe NA=1.25 with Iris Diaphragm&Filter  
 Illumination: LED(1W) Lamp 220V or 110V;( LED 3W lamp optional, Halogen bulb 6V/20W optional)



**PH-30**  
Monocular Microscope

Monocular head, 30° inclined, 360° rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage: Double layer mechanical stage, 105X95mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Coaxial coarse and fine focusing adjustment  
 Illumination: LED illumination system, light adjustable



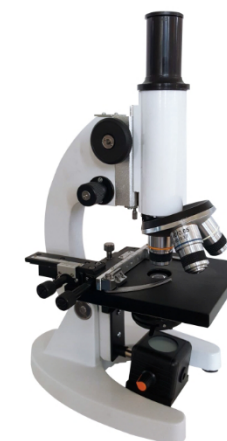
**SME-F4**  
Monocular Microscope

Monocular head, 45°inclined, 360°rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S), 100X(S) oil  
 Stage: Plain stage with moving scale, 120X125mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Separated coarse and fine focusing adjustment  
 Illumination: Halogen bulb 6V/20W, AC220V/110V, light adjustable  
 Fluorescent bulb, AC220V/5W or AC110V/5W and LED illumination for option.



**XSP-13B**  
Monocular Microscope

Viewing head: Monocular Huygens Eyepieces: H10X, H16X  
 Achromatic Objectives: 5X, 10X, 40X  
 Stage: Plain Stage, 120x120mm, with Specimen Holder  
 Condenser: N.A.=1.25 Abbe condenser with Iris diaphragm & filter holder  
 Coarse adjustment range: 50mm  
 Fine adjustment range: 1.8-2.2mm  
 Illumination: Concave-plan reflector  $\phi$ 50mm and LED



**SMM-200**  
Straight Tube Monocular Microscope

- 45mm Achromatic Objective: 4X, or 10X
- Plane-Scope Eyepiece: WF5X, or WF10X
- Total Magnification: 20X, or 40X, or 50X, or 100X
- Vertical Monocular Head
- Plain Stage with Paired Clips: 95X80mm
- Focusing by Pushing And Pulling the Tube
- The Plastic Prism Light Gathering System



**SME-F4D**  
Binocular Microscope

Compensation free binocular head, 30°inclined, 360°rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S), 100X(S) oil  
 Stage: Plain stage with moving scale, 120X125mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Separated coarse and fine focusing adjustment  
 Illumination: Halogen bulb 6V/20W, AC220V/110V, light adjustable  
 Fluorescent bulb, AC220V/5W or AC110V/5W and LED illumination for option.



**SME-F6**  
Monocular Microscope

Monocular head, 45°inclined, 360°rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage: Plain stage with clips, 110X110mm  
 Condenser: 0.65 single lens condenser and disc diaphragm  
 Focusing: Coaxial coarse and fine focusing adjustment  
 Illumination: Incandescent bulb, AC220V/20W or AC110V/20W LED illumination for option.



**SME-F6B**  
Monocular Microscope

Monocular head, 45°inclined, 360°rotatable  
 Eyepiece: WF10X  
 Objective: 4X, 10X, 40X(S)  
 Stage: Double layer mechanical stage, 110X126mm  
 Condenser: N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Focusing: Coaxial coarse and fine focusing adjustment  
 Illumination: Halogen bulb 6V/20W, AC220V/110V LED bulbs for option.



**XSP-116BN**  
Binocular Microscope

Achromatic Objectives: 4X, 10X, 40X(Spring)  
 Eyepiece: Wide Field Eyepiece: WF10X, (WF16X optional)  
 Viewing head: Binocular Head  
 Stage: Plain stage with moving scale, Stage size 90mmX90mm  
 Condenser: N.A.0.65 Condenser with disc diaphragm  
 Focusing: Coaxial Coarse and fine Adjustment  
 Power: AC Input 220V or 110V, DC output 6V  
 Illumination: LED lamp



**YJ-2108 Binocular Microscope**

| Specification  |  | Model<br>YJ-2108 |
|----------------|--|------------------|
| Optical System | UIS(Universal optical system)  | ●                |
| Illumination   | Epi-kohler illumination 6V20W, Halogen lamp 100-240V 50/60Hz   | ●                |
| Focusing       | Stage height adjustment mechanism<br>Fine adjustment Scale:0.001mm per turn<br>Coaxial coarse range 14mm | ●                |
| Nosepiece      | Quadruple  | ●                |
| Viewing Head   | Binocular Head, Inclined at 30° Interpupillary Distance 48-75mm  | ●                |
| Eyepiece       | WF10X, F.N=18(Anti-mould)  | ●                |
| Objectives     | Infinite Plan-achromatic<br>4x, 10x, 40x, 100x   | ●                |
| Stage          | Size:140x140mm, moving range 75x45mm   | ●                |
| Condenser      | Abbe Condenser, NA=1.25(when immersed in oil)  | ●                |

Note: ● Standard Outfit, ○ Optional



SME-F8M

SME-F8A

SME-F8B

SME-F8BH

Series Microscope

| Specification      |   | Model  |         |         |         |          |
|--------------------|---|--------|---------|---------|---------|----------|
|                    |   | SME-F8 | SME-F8M | SME-F8A | SME-F8B | SME-F8BH |
| Viewing Head       | Monocular Inclined at 45°, 360° Rotatable   | ●      | ●       | ●       |         |          |
|                    | Sliding Binocular Head, Inclined at 45° (55mm-75mm)                                     |        |         |         | ●       |          |
|                    | Compensation Free Binocular Head, Inclined at 30° (55mm-75mm)                           |        |         |         |         | ●        |
| Eyepiece           | WF10 X 18mm   | ●      | ●       | ●       | ●       | ●        |
|                    |   |        |         |         |         |          |
| Objective          | Achromatic 4×, 10×, 40×(s)  | ●      | ●       |         |         |          |
|                    | Achromatic 4×, 10×, 40×(s), 100×(s)oil  |        |         | ●       | ●       | ●        |
| Stage              | Plain stage with slide clips<br>Stage size: 110mm × 110mm                               | ●      | ●       |         |         |          |
|                    | Mechanical stage<br>Moving range: 60mm × 30mm   |        |         | ●       | ●       |          |
|                    | Double layer mechanical stage<br>Stage size: 110mm × 126mm<br>Moving range: 70mm × 30mm |        |         |         |         | ●        |
| Condenser          | 0.65 Condenser with disc diaphragm  | ●      |         |         |         |          |
|                    | 0.65 Condenser with iris diaphragm  |        | ●       |         |         |          |
|                    | N.A. 1.25 Abbe Condenser with iris diaphragm<br>And filter                              |        |         | ●       | ●       | ●        |
| Focusing           | Coaxial coarse & fine focusing adjustment<br>Fine focusing scale value 0.002mm          | ●      | ●       | ●       | ●       | ●        |
| Light Source       | Incandescent lamp 220V/20W or 110V/20W  | ●      | ●       | ●       |         |          |
|                    | Halogen bulb 6V/20W, AC 220V/110V   |        |         |         | ●       | ●        |
| Optional Accessory | Eyepiece: WF16x, WF20x, P16x  |        |         |         |         |          |
|                    | Objective: 20×, 60×(s)  |        |         |         |         |          |
|                    | Compensation Free Binocular & Trinocular Head(48mm-75mm)                                |        |         |         |         |          |
|                    | LED illumination  |        |         |         |         |          |

Note: ● Standard Outfit, ○ Optional



XSP-170B

XSP-170BT

Biological Microscope XSP-170 Series

| Specification      |  | Model   |          |          |           |
|--------------------|--|---------|----------|----------|-----------|
|                    |  | XSP-170 | XSP-170T | XSP-170B | XSP-170BT |
| Viewing Head       | Compensation Free Binocular Head, Inclined at 30° (48mm -75mm)   | ●       |          | ●        |           |
|                    | Compensation Free Trinocular Head, Inclined at 30° (48mm -75mm)  |         | ●        |          | ●         |
| Eyepiece           | WF10 X 18mm  | ●       | ●        |          |           |
|                    | WF10 X 22mm  |         |          | ●        | ●         |
| Objective          | Achromatic Objective: 4X, 10X, 40X(S), 100X(S) Oil   | ●       | ●        |          |           |
|                    | Infinity Achromatic Objective: 4X, 10X, 40X(S), 100X(S) Oil  |         |          | ●        | ●         |
| Stage              | Double layer mechanical stage  | ●       | ●        | ●        | ●         |
|                    | Stage Size: 132mmx 140mm   | ●       | ●        | ●        | ●         |
|                    | Moving Range: 70mmx 50mm   | ●       | ●        | ●        | ●         |
| Condenser          | N. A. 1.25 Abbe condenser with iris diaphragm and filter   | ●       | ●        | ●        | ●         |
| Focusing           | Coaxial coarse & fine focusing adjustment,<br>Fine focusing scale value 0.002mm<br>Focusing range 30mm | ●       | ●        | ●        | ●         |
| Light Source       | LED, brightness adjustable   | ●       | ●        | ●        | ●         |
| Optional Accessory | Eyepiece: WF16x, WF20x, P16x   |         |          |          |           |
|                    | Achromatic Objective: 20X(S), 60X(S)   |         |          |          |           |
|                    | Plan objective: 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S) Oil   |         |          |          |           |
|                    | Infinity plan objective: 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S) Oil                                  |         |          |          |           |
|                    | Dual viewing head  |         |          |          |           |
|                    | Dark field and phase contrast attachment   |         |          |          |           |
| Optional Accessory | 1.3Mega, 3.0Mega, 5.0Mega, 10.0Mega  |         |          |          |           |
|                    | COMS digital camera eyepiece   |         |          |          |           |
|                    | Photography attachment and CCD C-mount: 0.5X, 0.57X, 0.75X   |         |          |          |           |
| Optional Accessory | CCD Camera, color 1/3 High resolution 700 TV lines   |         |          |          |           |

Note: ● Standard Outfit, ○ Optional



Biological Microscope XSP-116N Series

| Model              |   | XSP-116N |           |            |           |            |
|--------------------|---|----------|-----------|------------|-----------|------------|
| Specification      |   | Model    |           |            |           |            |
|                    |   | XSP-116N | XSP-116ND | XSP-116NDS | XSP-116NB | XSP-116NBS |
| Viewing Head       | Monocular Inclined at 38°                     | ●        |           |            |           |            |
|                    | Monocular Inclined at 45°, 360° Rotatable     |          | ●         | ●          | ●         | ●          |
| Eyepiece           | WF10X   | ●        | ●         | ●          | ●         | ●          |
| Objective          | Achromatic 4×, 10×, 40×(s)                    | ●        | ●         | ●          | ●         | ●          |
| Stage              | Plain stage with slide clips                  | ●        |           |            |           |            |
|                    | Stage size: 90mm X 90mm                       |          |           |            |           |            |
|                    | Plain stage with slide clips                  |          | ●         | ●          | ●         | ●          |
|                    | Stage size: 95mm X 95mm                       |          |           |            |           |            |
| Condenser          | 0.65 Condenser with disc diaphragm            | ●        | ●         | ●          | ●         | ●          |
| Focusing           | Coarse focusing adjustment                    | ●        | ●         |            | ●         |            |
|                    | Coaxial coarse & fine focusing adjustment     |          |           | ●          |           | ●          |
| Light Source       | Transmitted Light LED, 110V/220V              |          | ●         | ●          |           |            |
|                    | Incident and transmitted Light LED, 110V/220V | ●        |           |            | ●         | ●          |
| Optional Accessory | Eyepiece: WF16×, WF20×, P16×                  |          |           |            |           |            |
|                    | Objective: 20×, 60×(s)                        |          |           |            |           |            |

Note: ● Standard Outfit, ○ Optional



Biological Microscope XSP-179 Series

| Model              |   | XSP-179 |          |          |          |          |
|--------------------|---|---------|----------|----------|----------|----------|
| Specification      |   | Model   |          |          |          |          |
|                    |   | XSP-179 | XSP-179A | XSP-179B | XSP-179C | XSP-179T |
| Viewing Head       | Monocular head, inclined at 45°, 360° rotatable   | ●       | ●        | ●        |          |          |
|                    | Compensation free binocular head, inclined at 30°(48mm - 75mm)                          |         |          |          | ●        |          |
|                    | Compensation free trinocular head, inclined at 30°(48mm - 75mm)                         |         |          |          |          | ●        |
| Eyepiece           | WF10X/18mm  | ●       | ●        | ●        | ●        | ●        |
| Objective          | Achromatic objective: 4×, 10×, 40×(s)   | ●       | ●        |          |          |          |
|                    | Achromatic objective: 4×, 10×, 40×(s), 100×(s)Oil                                       |         |          | ●        | ●        | ●        |
| Stage              | Plain stage with slide clips<br>Stage Size: 120mm X 125mm                               | ●       | ●        |          |          |          |
|                    | Double layer mechanical stage<br>Stage Size: 135mm X 135mm<br>Moving Range: 70mm X 50mm |         |          | ●        | ●        | ●        |
| Condenser          | 0.65 Condenser with disc diaphragm  | ●       |          |          |          |          |
|                    | 0.65 Condenser with iris diaphragm  |         | ●        |          |          |          |
| Focusing           | N.A. 1.25 Abbe condenser with iris diaphragm and filter holder                          |         |          | ●        | ●        | ●        |
| Focusing           | Separated coarse & fine focusing adjustment   | ●       | ●        | ●        | ●        | ●        |
| Light Source       | LED, brightness adjustable  | ●       | ●        | ●        | ●        | ●        |
| Optional Accessory | Eyepiece: WF16×, WF20×, P16×  |         |          |          |          |          |
|                    | Achromatic objective: 20× (s) , 60×(s)  |         |          |          |          |          |
|                    | Reflector, Dual viewing head  |         |          |          |          |          |

Note: ● Standard Outfit, ○ Optional



**Biological Microscope XSP-30 Series**

| Specification   |   | Model   |         |         |
|-----------------|---|---------|---------|---------|
|                 |   | XSP-30M | XSP-30B | XSP-30T |
| Optical System  | Finite Optical System   | ●       | ●       | ●       |
| Viewing Head    | Monocular Head, Inclined at 30°, 360° Rotatable                               | ●       |         |         |
|                 | Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable            |         | ●       |         |
|                 | Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable                   |         |         | ●       |
| Eyepiece        | Wide Field Eyepiece WF10X/18mm  | ●       | ●       | ●       |
|                 | Wide Field Eyepiece WF16X/13mm  | ○       | ○       | ○       |
|                 | Wide Field Eyepiece WF20X/11mm  | ○       | ○       | ○       |
| Objective       | Finite 195 Achromatic Objectives 4X 10X 40Xs 100Xs(oil)                       | ●       | ●       | ●       |
|                 | Finite Plan Achromatic CF Objectives 4X 10X 40Xs 100Xs(oil)                   | ○       | ○       | ○       |
| Nosepiece       | Quadruple Nosepiece   | ●       | ●       | ●       |
| Condenser       | Abbe Condenser NA1.25 with Diaphragm and Filter                               | ●       | ●       | ●       |
| Focusing System | Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 36mm | ●       | ●       | ●       |
| Stage           | Double Layer Mechanical Stage 110x125mm                                       | ●       | ●       | ●       |
| Illumination    | 3W LED Adjustable   | ●       | ●       | ●       |

Note: ● Standard ○ Optional



**DM-107T Digital Microscope**

**Features:**

- Integrated digital microscope, resolution 1280×1024 (1.3M pixel)
- USB2.0 output, plug and unplug freely
- Support WINDOWS 2000/XP/VISTA 7 system,
- Economic features, widely used in academic demonstration and health system



**YJN-117M Biological Microscope**

**Description:**

- New machining facility and advanced alignment technology
- Complete functions and outfit of binocular microscope
- Comfortable operation with updated and ergonomic design

| Model        | DM-107T  |                  |                            |   |
|--------------|--|------------------|----------------------------|---|
| Viewing Head | Sliding Binocular Head, Inclined at 45°, Interpupillary 55-75mm            |                  | ●                          |   |
|              | Camera System  | Valid Pixel      | 1280×1024 (1.3M Pixel)     | ● |
|              |  | Output Mode      | USB2.0                     | ● |
|              |  | Operation System | WINDOWS 2000 / XP/ VISTA/7 | ● |
|              |  | Software         | ScopelImage 9.0            | ● |
|              | Range of Viewing Field   | >75%             | ●                          |   |
| Eyepiece     | Wf10×/ 18  |                  | ●                          |   |
|              | P16×/ 11   |                  | ○                          |   |
| Nosepiece    | Toward Quadruple Nosepiece   |                  | ●                          |   |
| Objective    | Achromatic Objective 4×、10×、40×、100×                                       |                  | ●                          |   |
| Stage        | Double Layers Mechanical Stage 140×140mm/ 75×40mm                          |                  | ●                          |   |
| Condenser    | Abbe NA1.20 with Iris Diaphragm & Fliter                                   |                  | ●                          |   |
| Focusing     | Coaxial Coarse & Fine Adjustment System, Range 28mm, Fine Division 0.004mm |                  | ●                          |   |
| Illumination | Halogen Lamp 6V/20W, Brightness Adjustable                                 |                  | ●                          |   |

Note: ● Standard Outfit, ○ Optional

| Model                   | YJN-117M  |  |   |
|-------------------------|---|--|---|
| Viewing Head            | Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm  |  | ● |
|                         | Compensation Free Trinocular Head, Inclined at 30°, Interpupillary Distance 55-75mm |  | ○ |
| Eyepiece                | WF10×/18  |  | ● |
|                         | P16×/11   |  | ○ |
| Objective               | Achromatic Objective 4×、10×、40×、100×  |  | ● |
| Nosepiece               | Backward Quadruple Nosepiece  |  | ● |
| Stage                   | Double Layer Mechanical Stage 132×142mm/ 75×40mm                                    |  | ● |
| Focusing                | Coaxial Coarse & Fine Adjustment, Moving Range 24mm, Fine Division 0.004mm          |  | ● |
| Condenser               | Abbe NA 1.20 with Iris Diaphram & Filter  |  | ● |
|                         | Abbe NA 1.25 with Iris Diaphram & Filter  |  | ○ |
| Illumination            | S-LED, Brightness Adjustable  |  | ● |
|                         | Halogen Lamp 6V/ 20W, Brightness Adjustable   |  | ○ |
| Phase Contrast Kit      |   |  | ○ |
| Dark Field Attachment   |   |  | ○ |
| Polarization Attachment |   |  | ○ |

Note: ● Standard Outfit, ○ Optional



**DM-117M Digital Microscope**

**Features:**

- Integrated digital microscope, resolution 1280×1024 (1.3M pixel)
- USB2.0 output, plug and unplug freely
- Support WINDOWS 2000/XP/VISTA/7 system,
- Economic features, widely used in academic demonstration and health system

| Model                               |  | DM-117M          |                            |   |
|-------------------------------------|--|------------------|----------------------------|---|
| Viewing Head                        | Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm |                  | ●                          |   |
|                                     | Camera System  | Valid Pixel      | 1280 × 1024 (1.3M Pixel)   | ● |
|                                     |  | Output Mode      | USB2.0                     | ● |
|                                     |  | Operation System | WINDOWS 2000 / XP/ VISTA/7 | ● |
|                                     |  | Software         | ScopelImage 9.0            | ● |
|                                     | Range of Viewing Field   | 90%              | ●                          |   |
| Eyepiece                            | Wf10×/ 18  |                  | ●                          |   |
|                                     | P16×/ 11   |                  | ○                          |   |
| Nosepiece                           | Backward Quadruple Nosepiece   |                  | ●                          |   |
| Objective                           | Achromatic Objective 4 × 10×、40×、100×  |                  | ●                          |   |
| Stage                               | Double Layers Mechanical Stage 132 × 142mm/ 75 × 40mm                              |                  | ●                          |   |
| Condenser                           | Abbe NA1.20 with Iris Diaphragm & Fliter   |                  | ●                          |   |
| Focusing                            | Coaxial Coarse & Fine Adjustment System, Range 24mm, Fine Division 0.004mm         |                  | ●                          |   |
| Illumination                        | LED 3W, Brightness Adjustable  |                  | ●                          |   |
|                                     | Halogen Lamp 6V/ 20W, Brightness Adjustable  |                  | ○                          |   |
| Phase Contrast Kit                  |  |                  | ○                          |   |
| Dark-Field Attachment               |  |                  | ○                          |   |
| Polarization Attachment             |  |                  | ○                          |   |
| Note: ● Standard Outfit, ○ Optional |  |                  |                            |   |



**YJN-180M Biological Microscope**

**Features:**

- Nice shape, excellent optical system and lexible outfit make you enjoy the microscope.
- It is an ideal instrument for biology, bacteriology, immunology, pharmacology and so on.

| Model                               |  | YJN-180M |   |
|-------------------------------------|--|----------|---|
| Viewing Head                        | Compensation Free Binocular Head, Inclined at 30°, 360° Rotatable            |          | ● |
|                                     | Compensation Free Trinocular Head, Inclined at 30°, 360° Rotatable           |          | ○ |
| Eyepiece                            | Wide Field Eyepiece EW10×/ 20  |          | ● |
|                                     | Wide Field Eyepiece WF16×/ 11  |          | ○ |
| Objective                           | Semi-plan Achromatic Objective 4×, 10×, 40×, 100×                            |          | ● |
|                                     | Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×                       |          | ○ |
|                                     | Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×              |          | ○ |
| Nosepiece                           | Backward Quadruple Nosepiece   |          | ● |
|                                     | Quintuple Nosepiece  |          | ○ |
| Stage                               | Double Layers Mechanical Stage 140 × 140mm/ 75 × 50mm                        |          | ● |
| Condenser                           | NA 1.25 Abbe Condenser with Iris Diaphragm and Filter                        |          | ● |
| Illumination                        | S-LED Illumination, Brightness Adjustable                                    |          | ● |
|                                     | Halogen Lamp 6V/ 20W, Brightness Adjustable                                  |          | ○ |
|                                     | Kohler Illumination  |          | ○ |
| Photo Attachment                    |  |          | ○ |
| Video Attachment                    | C Mount 1× & 0.5×  |          | ○ |
| Filter                              | Blue Filter  |          | ○ |
|                                     | Green Filter   |          | ● |
| Polarization Set                    | Simple Polarization Set  |          | ○ |
| Phase Contrast Kit                  | Simple Phase Contrast Kit  |          | ○ |
|                                     | Sliding Phase Contrast Kit   |          | ○ |
|                                     | Turret Phase Contrast Kit  |          | ○ |
| Dark Field Attachment               | Dark Field Condenser (Dry) NA 0.9<br>Dark Field Condenser (Oil) NA 1.25-1.36 |          | ○ |
| Epi-fluorescent Attachment          |  |          | ○ |
| Pointer                             | Green LED Pointer System   |          | ○ |
| Note: ● Standard Outfit, ○ Optional |  |          |   |



YJ-608



YJ-608A

**Multi- Head Microscope**

**Features:**

This series microscope is designed for several people to observe one specimen together at the same time. It has infinity imaging system, high light illumination system and provide sharp & clear image. Particularly, it is suitable for discussion application in Clinic, Research and Teaching.

| Specificaon        | Model  |         |
|--------------------|--|---------|
|                    | YJ-608   | YJ-608A |
| Viewing Head       | Compensation Free Binocular Head, Inclined at 30°, 3-Teaching Binocular Heads(55mm-75mm)   | ●       |
|                    | Compensation Free Binocular Head, Inclined at 30°, 4-Teaching binocular heads(55mm-75mm)   | ●       |
| Eyepiece           | WF10×/22mm   | ●       |
| Objective          | Infinity Achromatic Objective; 4×10×40×(s)100×(s)Oil   | ●       |
|                    | Double layer mechanical stage  | ●       |
| Stage              | Stage Size: 180mm × 150mm  | ●       |
|                    | Moving Range: 75mm × 50mm  | ●       |
| Condenser          | N.A. 1.25 Abbe condenser with iris diaphragm and filter  | ●       |
| Focusing           | Coaxial coarse & fine focusing adjustment<br>Fine division 0.002mm   | ●       |
| Light Source       | Halogen Bulb 12V30W, AC85V-230V<br>Adjustable brightness   | ●       |
| Illuminator        | High-light Kohler illumination   | ●       |
| Optional Accessory | Eyepiece: WF16×、WF20×、<br>Infinity Plan Objectives: 20×、60×(s)、<br>INFINITY Plan Achromatic Objectives:4×10× 20×<br>40×(s)60×(s)100×(s)Oil |         |





### LCD Digital Microscope NLCD-307B

#### Description:

This LCD digital microscope is a brand new system with 8 inch TFT touching screen, friendly man-machine interface, powerful processing function, multiple peripheral interfaces, and comfortable mechanical design; it become a new generation microscope and easy to operate. It is your good assistant in teaching, research and electronic checking!



YJ-150

YJ-150T

YJ-150AT

YJ-150A

YJ-150 Series Biological Microscope

| Model        |  | NLCD-307B |
|--------------|--|-----------|
| Digital part | 3.0 Mega Pixels CMOS Chip  | ●         |
|              | Support Wifi and Bluetooth   | ●         |
| Viewing Head | Compensation Free Binocular Head, 30° Inclined, Interpupillary 52-75mm | ●         |
| Eyepiece     | Wide Field Eyepiece WF10X/18   | ●         |
| Objective    | Infinite Semi-Plan Achromatic Objective 4X、10X、40X、100X                | ●         |
| Nosepiece    | Quadruple Nosepiece  | ●         |
| Stage        | Double Layer Mechanical Stage 140X140/75X50                            | ●         |
| Condenser    | Sliding-in Centerable Condenser NA1.25                                 | ●         |
| Illumination | 6V/20W Halogen Lamp Illumination, Adjustable Brightness                | ○         |
|              | LED Illumination, Adjustable Brightness                                | ●         |
| LCD Screen   | 8 Inch TFT Touching Screen   | ●         |
| Output       | USB2.0、Mini USB、HDMI   | ●         |
| OS           | Android 4.2.2  | ●         |
| Software     | TouchScope   | ●         |
| SD Card      | Support SD Card  | ○         |
| Mouse        |  | ○         |

Note: ● Standard Outfit, ○ Optional



### XSZ-N207 Binocular Microscope

Compensation free binocular head, 30° inclined, 360° rotatable,  
 Eyepiece: WF10X, P16X  
 Objectives: 4X, 10X, 40X(S), 100X(S) oil  
 Double layer mechanical stage 140x140mm  
 Moving range: 75x50mm  
 N.A. 1.25 Abbe condenser with iris diaphragm and filter  
 Coaxial coarse and fine focusing adjustment, precision: 0.002mm  
 S-LED illumination, brightness adjustable, with plano-concave mirror  
 Halogen Lamp: 6V/20W, 110V/220V optional  
 Best seller

| Specification      | Model  |         |         |          |   |
|--------------------|--|---------|---------|----------|---|
|                    | YJ-150   | YJ-150T | YJ-150A | YJ-150AT |   |
| Viewing Head       | Sliding Binocular Head. Inclined at 45° (52mm -74mm)   | ●       |         |          |   |
|                    | Compensation Free Binocular Head . Inclined at 30° (55mm -75mm)  |         |         | ●        |   |
|                    | Sliding Trinocular Head. Inclined at 45° (52mm -74mm)  |         | ●       |          |   |
|                    | Compensation Free Trinocular Head . Inclined at 30° (55mm -75mm)   |         |         | ●        |   |
| Eyepiece           | WF10X  | ●       | ●       | ●        | ● |
| Objective          | Achromatic objective: 4X, 10X, 40X (S), 100X(S) Oil  | ●       | ●       | ●        | ● |
| Stage              | Double layer mechanical stage  | ●       | ●       | ●        | ● |
|                    | Stage size: 180x150mm  | ●       | ●       | ●        | ● |
|                    | Moving range : 75x50mm   | ●       | ●       | ●        | ● |
| Condenser          | N. A. 1.25 Abbe condenser with iris diaphragm & filter   | ●       | ●       | ●        | ● |
| Focusing           | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism<br>Fine focusing scale value 0.002mm  | ●       | ●       | ●        | ● |
| Collector          | High brightness Kohler illumination  | ●       | ●       | ●        | ● |
| Light Source       | Halogen tungsten bulb 12V/20W. AC85V- 230V   | ●       | ●       | ●        | ● |
|                    | Adjustable brightness  |         |         |          |   |
| Optional Accessory | 1. Eyepieces: WF16X, WF20X, P16X<br>2. CMOS electronic eyepiece 1.3 Mega pixels<br>3. Plan-Achromatic objectives: 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S) Oil<br>4. Semi-plan objectives: 4X, 10X, 20X(S), 40X(S), 60X(S), 100X(S) Oil<br>5. Infinity plan objectives: X, 10X, 20X(S), 40X(S), 60X(S), 100X(S) Oil<br>6. Phase contrast attachment<br>7. Photo and CCD attachment |         |         |          |   |

Note: ● Standard Outfit, ○ Optional



YJ20B



YJ20T

### YJ20 Series Microscope

#### Features:

YJ20 series microscope has an advanced design, stable, safety and efficient, which makes the operators to use the microscope more simple. This microscope can also be used with many accessories to realize bright field, simple polarization, dark field, and phase contrast. This microscope can be used in a variety of biological applications, such as teaching and laboratory.

| Model               |  | YJ20B | YJ20T |
|---------------------|--|-------|-------|
| Optical system      | Infinity achromatic optical system   | ●     | ●     |
| Observation tube    | Binocular head, 30° inclined, 54~75mm interpupillary distance  | ●     |       |
|                     | Trinocular head, 30° inclined, (with 0/100 or 20/80 light splits)  |       | ●     |
| Eyepiece            | High eyepoint widefield plan eyepiece PL10X/18mm, with ±5 degrees diopter control  | ●     | ●     |
|                     | High eyepoint widefield plan eyepiece PL10X/20mm, with ±5 degrees diopter control  | ○     | ○     |
| Objective           | Infinity plan achromatic objective 4X, 10X, 40XS, 100XS0   | ●     | ●     |
|                     | Infinity plan achromatic objective 2X, 20X, 60X  | ○     | ○     |
| Nosepiece           | Backward quadruple nosepiece   | ●     | ●     |
|                     | Backward quintuple nosepiece   | ○     | ○     |
| Focusing adjustment | Coaxial coarse and fine focusing adjustment, with limited and tension adjustment. coarse adjustment range: 25mm, fine adjustment precision: 0.002mm. | ●     | ●     |
| Stage               | Coaxial mechanical stage in 140X132mm size and 76×50mm travel range.   | ●     | ●     |
| Condenser           | Koehler N.A.1.25 condenser (with socket for phase contrast and dark field sliders)   | ●     | ●     |
| Illumination        | Main supply 100V-240V, 3 watt LED lamp with intensity control (fixed center)   | ●     | ●     |
|                     | Main supply 100V-240V, Philips 6V/20W halogen lamp with intensity control (fixed center)   | ○     | ○     |
| Photography adapter | 3.2x photo eyepiece, photo tube (with PK mount)  |       | ●     |
| Video adapter       | 0.35X CTV  | ○     | ○     |
|                     | 0.5X CTV   | ○     | ○     |
|                     | 1.0X CTV   | ○     | ○     |
| Other options       | Phase contrast sliders for condenser (use with phase contrast objective)   | ○     | ○     |
|                     | Dark field slider for condenser  | ○     | ○     |
|                     | Simple polarization (with analyser and polarizer)  | ○     | ○     |

Note: ● Standard Outfit, ○ Optional



### YJ30 Series Binocular Microscope

#### Features:

- Infinity color corrected optical system with high quality micro-technique presents super excellent micro-image at any observation.
- Wide-field high eye-point eyepieces and plan achromatic objectives make the effect of fluorescence observation more perfect. Anti-fungus optical system
- Outstanding appearance design and ergonomics structure design, long time use without feeling tired.
- With the design of security lock and safe limits, it is much more secure, stable, and can be kept for long time.
- Various microscopic examinations can be fulfilled, such as bright-field, dark-field, phase contrast, fluorescence, simple polarizing and so on

| Model                                  |  | YJ30 |
|--|--|------|
| Optical system                         | Infinity corrected achromatic optical system   | ●    |
| Eyepiece                               | PL10X/20T High eye-point wide-field plan eyepiece, diopter control +/-5 adjustable   | ●    |
|  | PL10X/22T High eye-point wide-field plan eyepiece, diopter control +/-5 adjustable   | ○    |
| Objective                              | Infinity plan achromatic objective 4X, 10X, 20X, 40X, 100X   | ●    |
|  | Infinity phase contrast objective 10X, 20X, 40X, 100X  | ○    |
|  | Infinity semi-apochromatic fluorescent objective 4X, 10X, 20X, 40X, 100X   | ○    |
| Viewing head                           | 30° gemel binocular viewing head with 360° rotatable eyepiece tube, interpupillary adjustable distance: 50-75mm  | ●    |
|  | 30° gemel trinocular viewing head with 360° rotatable eyepiece tube, interpupillary adjustable distance: 50-75mm, fixed spectroscopical ratio R:T=80%:20%  | ○    |
|  | 30° gemel trinocular viewing head (dedicated for fluorescence) with 360° rotatable eyepiece tube, interpupillary adjustable distance: 50-75mm, fixed spectroscopical ratio R:T=50%:50%                                 | ○    |
|  | 30° gemel digital viewing head (with 3.0/5.0 mega pixels)  | ○    |
| Nosepiece                              | Reversed quadruple nosepiece   | ○    |
|  | Reversed quintuple nosepiece   | ●    |
| Stage                                  | 150x140mm mechanical stage, moving range: 76x50mm, precision: 0.1mm, with damping clips  | ●    |
| Condenser                              | N.A.1.25 Koehler illuminator condenser (with socket for phase contrast and dark-field accessories)   | ●    |
| Focus adjustment                       | Integrated all-metal high-pressure die-casting (HPDC) body, precision transmission mechanism with pinion and rack. Coarse focusing scope: 30mm, with tightness adjustment and place limit set, fine precision: 0.002mm | ●    |
| LED fluorescent reflected illumination | Uv2 ultraviolet long-pass type LED module, with intensity adjusting knob, and switch knob for bright field and fluorescence, central wavelength: 365nm   | ○    |
|  | B4 LED fluorescence module dedicated for TB, with intensity adjusting knob, and switch knob for bright field and fluorescence, central wavelength: 455nm   | ○    |
|  | B1 band-pass type fluorescence module, with intensity adjusting knob, and switch knob for bright field and fluorescence, central wavelength: 470nm   | ○    |
|  | G1 band-pass type LED fluorescence module, with intensity adjusting knob, and switch knob for bright field and fluorescence, central wavelength: 560nm   | ○    |
|  | Other various LED module for option, which can be customized or according to the needs of clinical diagnosis.  | ○    |
| Mercury reflected illumination         | Mercury reflected fluorescent illuminator, 100W mercury lamp house, 100W DC mercury bulb (OSRAM/domestic)  | ○    |
| Transmitted illumination               | 100V-240V AC50/60Hz wide range voltage, single high brightness 3W LED (predetermine filament center), intensity continuously adjustable  | ●    |
|  | 100V-240V AC50/60Hz wide range voltage, Philips 6V/30W halogen bulbs (predetermined filament center), intensity continuously adjustable  | ○    |
| External battery supply                | Power supply for at least 8 hours, rechargeable  | ○    |
| Camera accessory                       | 1xCTV/0.5xCTV/0.35xCTV, 3.2x photo ocular, photo tube (with PK mount or MD mount), C-mount and relay lens  | ○    |
| Other optional                         | Dark-field accessory, phase contrast accessory, polarizer/analyser   | ○    |

Note: ● Standard Outfit, ○ Optional



**YJ5 Series Features:**

- The personal belonging of young scientists E5 series biological microscope with elaborate appearance and reliable quality, is beautiful and practical. Its easy operation and clear image inspire students' imagination and interesting of microscopy world, is helpful to explore the mystery of life science. New generation of scientists are born from here.
- Compact and solid, innovative frame High rigid but small as E5 series is, specially designed for students. The frame with hollow design is lightweight but stable, easy to carry. Pure white body with blue on the both sides, is fresh and vivid.
- Ergonomics design According to different interpupillary distances and eyesights of different people, the spacing of binocular tubes can be adjustable from 50mm to 75mm and the left tube with the focusing device, diopter is  $\pm 5$  adjustable.

| Model              |  | YJ5M | YJ5B | YJ5T | YJ5D |
|--------------------|--|------|------|------|------|
| Optical system     | Infinite color corrected optical system  | ●    | ●    | ●    | ●    |
| Eyepiece Objective | 30° inclined monocular head  | ●    |      |      |      |
|                    | 30° inclined binocular head, interpupillary distance: 50-75mm, $\pm 5$ diopter adjustable  |      | ●    |      |      |
|                    | 30° inclined trinocular head, splitting ratio R:T=80:20, interpupillary distance: 50-75mm, $\pm 5$ diopter adjustable  |      |      | ●    |      |
|                    | 30° inclined digital viewing head, built-in 3.0 mega pixels CMOS, USB output; interpupillary distance: 50-75mm, $\pm 5$ diopter adjustable   |      |      |      | ●    |
| Eyepiece           | Wide field plan eyepiece PL10X/18mm without reticle;   | ●    | ●    | ●    | ●    |
|                    | Wide field plan eyepiece PL10X/18mm with reticle;  | ○    | ○    | ○    | ○    |
|                    | Wide field plan eyepiece PL10X/18mm with reticle and pointer   | ○    | ○    | ○    | ○    |
| Objective          | Achromatic objective( 4X, 10X, 40X, 100X)  | ●    | ●    | ●    | ●    |
|                    | Plan achromatic objective( 4X, 10X, 40X, 100X)   | ○    | ○    | ○    | ○    |
| Nosepiece          | Quadruple nosepiece  | ●    | ●    | ●    | ●    |
| Frame              | Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment, range: 25mm, precision: 0.002mm.3W LED, center presetting, intensity adjustable, external wide voltage AC adapter, 100V-240V_AC50/60Hz input, DC7.5V 2A output.  | ○    | ○    | ○    | ○    |
|                    | Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment, range: 25mm, precision: 0.002mm.3W LED, center presetting, intensity adjustable, external wide voltage AC adapter, 100V-240V_AC50/60Hz input, DC6V 2A output.  | ○    | ○    | ○    | ○    |
|                    | Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment, range: 25mm, precision: 0.002mm.3W LED, center presetting, intensity adjustable, internal switch 100V-240V_AC50/60Hz   | ●    | ●    | ●    | ●    |
|                    | Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment, range: 25mm, precision: 0.002mm.3W LED, center presetting, intensity adjustable, internal 4 pieces rechargeable batteries, external wide voltage battery charger, 100V-240V_AC50/60Hz input, DC6V 1A output. | ○    | ○    | ○    | ○    |
| Stage              | 132mmX140mm double layer mechanical stage, moving range: 50mmX76mm, precision: 0.1mm.  | ●    | ●    | ●    | ●    |
| Condenser          | N.A.1.25 Abbe condenser with iris diaphragm  | ●    | ●    | ●    | ●    |
| Others             | Filters for transmitted light: blue/yellow/green   | ○    | ○    | ○    | ○    |
|                    | Camera accessories: 0.35X/0.5X/1X focusing C-mount   | ○    | ○    | ○    | ○    |

Note: ● Standard Outfit, ○ Optional



**YJ-B1 Series Features:**

- A new generation of infinity color corrected optical systems with wild-field high eye-point eyepieces and plan achromatic objectives, presents you sharp and bright micro-images.
- Integrated T-shaped body with firm structure and ergonomic design makes comfortable operation.
- Different kinds of accessories, more functions, achieve more methods of observation and suit for all kinds of detections orexperiments.
- New professional fluorescence disc filter system with high-quality displays excellent performance.
- Intelligent Chinese fluorescence image processing software and digital image processing software, meets any request of the most professional picture processing.

| Model                                       |  | YJ-B1 | YJ-B1D |
|---|--|-------|--------|
| Optical system                              | Infinite color corrected optical system  | ●     | ●      |
| Eyepiece                                    | Wild-field high eye-point plan eyepiece:PL10X/22mm (with reticle for optional), PL15X/16mm   | ●     | ●      |
|   | Infinity plan achromatic objectives 4x, 10x, 20x, 40xS,100xSO  | ●     | ●      |
| Objective                                   | Infinity plan phase contrast objectives 10x, 20x, 40x, 100x  | ○     | ○      |
|   | Plan Semi-apochromatic fluorescent objectives 4x, 10x, 20x, 40xS, 100xSO   | ○     | ○      |
| Viewing head                                | 30°inclined gemel binocular head, 360°rotatable, interpupillary distance range:54-75mm, diopter adjusting range: $\pm 5$ diopter either side.  | ●     | ○      |
|   | 30°inclined gemel trinocular head, splitting ratio for binocular : trinocular = 50:50,interpupillary distance range:54-75mm, diopter adjusting range: $\pm 5$ diopter either side.                     | ○     |        |
|   | 30°inclined gemel fluorescent trinocular head, splitting ratio for binocular : trinocular = 100: 0 or 0:100,interpupillary distance range:54-75mm,diopter adjusting range: $\pm 5$ diopter either side | ○     |        |
|   | Efficient infinity gemel binocular head, 30°-60° adjustable elevation, 360°rotatable,interpupillary distance range: 54-75mm, diopter adjusting range: $\pm 5$ diopter either side.                     | ○     |        |
| Nosepiece                                   | 30°inclined digital gemel binocular head, interpupillary distance range:54-75mm, diopter adjusting range: $\pm 5$ diopter either side, internal 2/3", 1.4 million pixels CCD camera,USB2.0 output      |       | ●      |
|   | Revolving quintuple nosepiece  | ●     | ●      |
|   | Revolving sextuple nosepiece   | ○     | ○      |
| Stage                                       | 175x145mm double layer mechanical stage, with X,Y moving hand wheel in right hand, moving range 76x50mm, precision: 0.1mm, damped specimen retainer  | ●     | ●      |
| Body  | Coaxial focus system with upper limit and tension adjustment; coarse adjustment range: 25mm, fine adjustment precision:0.002mm;90-240V built-in wideband voltage transformer                           | ●     | ●      |
| Reflection fluorescence illumination system | XYRFLP reflection fluorescent Koehler illumination with alterable field diaphragm and aperture diaphragm (all center adjustable)   | ○     | ○      |
|   | XYLH100HG mercury lamp housing with viewfinder; the center and the focal length of the viewfinder or filament can be adjusted  | ○     | ○      |
|   | U2-RFLT100 digital power control box of mercury lamp, voltage 90 ~ 245VAC  | ○     | ○      |
| Transmission illumination system            | Imported OSRAM 100W DC mercury bulb, mercury bulb centered to objective, disc fluorescence filter: UV/V/B/G, 30ND25-RFLP attenuation plate   | ○     | ○      |
|   | 6V30W halogen bulb, pre-centered, intensity adjustable; telecentric Koehler illumination with alterable field diaphragm  | ●     | ●      |
|   | N.A.1.2/0.22 swing-out type achromatic condenser; with alterable aperture diaphragm; the center of condenser can be adjusted by rack and pinion.   | ○     | ○      |
|   | $\phi$ 45mm filter (yellow/green/blue/neutral)   | ○     | ○      |
| Condenser                                   | N.A.1.2/0.22 swing-out type achromatic condenser with marked iris diaphragm  | ●     | ●      |
|   | NA1.25 quintuple disc contrast condenser   | ○     | ○      |
| CCD Adapter                                 | 2/3x CTV, 1/2x CTV, 1/3x CTV   | ○     |        |

Note: ● Standard Outfit, ○ Optional



## T series Multifunctional Digital LCD Microscope (Colors Optional: Blue, Green, Red & Black)

1. Built in 12 Mega digital professional camera and integrated snapshot, video and storage no need to connect to other external equipments.
2. 9 Inches HD LCD screen and easy to share the clear microscopic views for many people
3. High-capacity storage to record the wonderful images
4. 1080P/30fps HD video and HDMI HD
5. Four colors for your choice, Black, Red, Green and Blue.

| Model Specifications      | TS0                              | TS1-                             | TS2-                             | TS3-                             | TS1                              | TS2                              | TS2+                             | TS3                              | TS4  |
|---------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|
| LCD Screen                | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                      | 9 Inches HD                                |
| LCD Resolution            | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                         | 1280*800                                   |
| Image Resolution          | NO                               | 4M                               | 4M                               | 4M                               | 5M                               | 5M                               | 5M                               | 12M                              | 12M  |
| Video Resolution          | NO                               | 720P/30fps                       | 720P/30fps                       | 720P/30fps                       | 720P/30fps                       | 720P/30fps                       | 720P/30fps                       | 1080P/30fps                      | 1080P/30fps                                |
| Photo/Video Playback      | NO                               | Yes                              | Yes                              | Yes                              | Yes                              | Yes                              | Yes                              | Yes                              | Yes  |
| Data Output               | NO                               | USB                              | UP HDMI/USB                      | HDMI(Double)/USB/VGA             | USB                              | UP HDMI/USB                      | DOWN HDMI/USB/VGA                | HDMI(Double)/USB/VGA             | HDMI(Double)/USB/VGA                       |
| External Equipments       | NO                               | PC                               | PC/TC/Projector                  | PC/TC/Monitor/Projector          | PC                               | PC/TV/Projector                  | PC/TV/Monitor/Projector          | PC/TV/Monitor/Projector          | PC/TV/Monitor/Projector                    |
| Measurement               | NO                               | Crosshair                        | Crosshair                        | Crosshair                        | Crosshair                        | Crosshair                        | Crosshair                        | Crosshair                        | Crosshair                                  |
| Positioning               | NO                               | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer          | Crosshair/Arrow pointer                    |
| Coordinate Colors         | NO                               | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green       | Black/White/Red/Blue/Green                 |
| Application               | Biological Microscope            | Biological Microscope            | Biological Microscope            | Biological+Stereo Microscope     | Biological+Stereo Microscope     | Biological Microscope            | Biological Microscope            | Biological+Stereo Microscope     | Biological+Stereo Metallurgical Microscope |
| Biological Objective Lens | 4*/10*/20*/40*                   | 4*/10*/20*/40*                   | 4*/10*/20*/40*                   | 4*/10*/20*/40*                   | 4*/10*/40*/100*                  | 4*/10*/40*/100*                  | 4*/10*/40*/100*                  | 4*/10*/40*/100*                  | 4*/10*/40*/100*                            |
| Stereo Objective Lens     | NO                               | NO                               | NO                               | 1*/2*                            | No                               | No                               | No                               | 1*/2*                            | 1*/2*                                      |
| Digital Zoom              | NO                               | 8x                               | 8x                               | 8x                               | 8x                               | 8x                               | 8x                               | 8x                               | 8x   |
| Total Magnifications      | 100x-1360x                       | 100x-1360x                       | 100x-1360x                       | 25x-1360x                        | 70x-2380x                        | 70x-2380x                        | 70x-2380x                        | 20x-2380x                        | 20x-2380x                                  |
| Storage                   | NO                               | Sd Card                          | SD Card                          | SD Card                          | SD Card                          | SD Card                          | SD Card                          | SD Card                          | SD Card                                    |
| Color Effects             | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative     | Colored/Black&White/Negative               |
| Focusing System           | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System | Coaxial Coarse/Fine Focus System           |
| Nosepiece                 | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                        | Quadruple                                  |
| Stage                     | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage  | Ddouble Layers Mechanical Stage            |
| Condenser                 | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser             | Sliding-in Condenser                       |
| Led Illumination          | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                | Transmitted Light                          |
| Input voltage             | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                          | 12V-19V                                    |



## YJ-403 Series Inverted Biological Microscope

| YJ-403 Series                |   | YJ 403                                | YJ 403T | YJ 403A | YJ 403AT |   |
|------------------------------|---|---------------------------------------|---------|---------|----------|---|
| Viewing head                 | Specification   |                                       |         |         |          |   |
| Viewing head                 | Compensation free binocular head. Inclined at 45° (50mm-75mm)   | ●                                     |         | ●       |          |   |
|                              | Compensation free trinocular head. Inclined at 45° (50mm-75mm)  |                                       | ●       |         | ●        |   |
| Eyepiece                     | WF10X/ 20mm   | ●                                     | ●       |         |          |   |
|                              | WF10X/ 22mm   |                                       |         | ●       | ●        |   |
|                              | WF10X/18mm with cross graduation of 0.1mm scale   | ○                                     | ○       | ○       | ○        |   |
| Objective                    | Long working distance plan-objective  | LWDPL4X/0.1W.D.25mm                   |         |         |          |   |
|                              |   | LWDPL10X/0.25 phase contrast W.D.11mm | ●       | ●       |          |   |
|                              |   | LWDPL20X/0.4 phase contrast W.D.8mm   |         |         |          |   |
|                              |   | LWDPL40X/0.6W.D. 3.8mm                |         |         |          |   |
| Objective                    | Infinity plan-objective   | LWDPL4X/0.1W.D. .25mm                 |         |         |          |   |
|                              |   | LWDPL10X/0.25 phase contrast W.D.12mm |         |         | ●        | ● |
|                              |   | LWDPL20X/0.4 phase contrast W.D.10mm  |         |         |          |   |
|                              |   | LWDPL40X/0.6W.D. .7mm                 |         |         |          |   |
| Objective                    | Long working distance objective   | LWDPL10X                              | ○       | ○       | ○        |   |
|                              |   | LWDPL20X                              | ●       | ●       | ●        | ● |
| Objective                    | Long working distance phase contrast objective  | LWDPL40X                              | ○       | ○       | ○        |   |
|                              |   |                                       |         |         |          |   |
| Stage                        | Double layer mechanical stage   |                                       |         |         |          |   |
|                              | Stage size: 242mmx 172mm  | ●                                     | ●       | ●       | ●        |   |
|                              | Central stage: Φ110mm   |                                       |         |         |          |   |
|                              | Moving range: 75mm×50mm   |                                       |         |         |          |   |
| Condenser                    | N.A0.3 Abbe condenser W.D.75mm  | ●                                     | ●       | ●       | ●        |   |
| Focusing                     | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism<br>Fine focusing scale value 0.002mm | ●                                     | ●       | ●       | ●        |   |
| Phase Contrast Sliding Plate | Center of phase contrast ring plate adjustable  | ●                                     | ●       | ●       | ●        |   |
| Centering Telescope          | Centering telescope   | ●                                     | ●       | ●       | ●        |   |
| Filter                       | Blue, green, yellow and froster glass   | ●                                     | ●       | ●       | ●        |   |
| Light Source                 | Halogen bulb 12V/30W  | ●                                     | ●       | ●       | ●        |   |
|                              | Adjustable brightness   | ●                                     | ●       | ●       | ●        |   |
| Fluorescence Attachment      | B.G wave band, 220V(110V)/100W mercury lamp   | ○                                     | ○       | ○       | ○        |   |
| Photography Attachment       | Photography connecting tube, adapter with MD or PK mount, 4X photography eyepiece                             | ○                                     | ○       | ○       | ○        |   |
| Electron Eyepiece            | 1.3 or 3.0 Mega pixels CMOS electronic eyepiece   | ○                                     | ○       | ○       | ○        |   |

● "standard outfit. Mark: " ○ "optional parts.



### IBM-100 Inverted Biological Microscope

**Features:**

- Excellent Optical Function with Infinite Optical System.
- Innovative Stand structure, Sharp Image Display, Convenient and Special for Viewing Incubating Cell Tissue.

| Model            |   | IBM-100               |   |
|------------------|---|-----------------------|---|
| Viewing Head     | Seidentopf trinocular head inclined at 30°, Interpupillary 48-75mm  | ●                     |   |
| Eyepiece         | High-point , extra wide field eyepiece EW10×/ 22  | ●                     |   |
| Objective        | LWD Infinite Plan Objective   | 4×/ 0.1, WD 17.3mm    | ● |
|                  |   | 10×/ 0.25, WD 10mm    | ○ |
|                  |   | 20×/ 0.4, WD 5.1mm    | ○ |
|                  | Infinite Plan Phase Objective   | 40×/ 0.6, WD 2.1mm    | ● |
|                  |   | PH10×/ 0.25, WD 10 mm | ● |
|                  |   | PH20×/ 0.4, WD 5.1mm  | ● |
|                  | PH40×/ 0.65, WD 2.1mm   | ○                     |   |
| Nosepiece        | Quintuple Nosepiece   | ●                     |   |
| Condenser        | ELWD Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)   | ●                     |   |
| Centering        | Centering Telescope (Φ30MM)   | ○                     |   |
| Phase Annulus    | 10×-20×、40×Phase Annulus Plate Adjustable   | ●                     |   |
|                  | 10×-20×、40×Phase Annulus Plate Adjustable   | ○                     |   |
| Stage            | Plain Stage 160×250mm   | ●                     |   |
|                  | Glass Insert  | ●                     |   |
|                  | Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range 120×78mm   | ○                     |   |
|                  | Auxiliary Stage 70×180mm  | ●                     |   |
|                  | Terasaki Holder   | ○                     |   |
|                  | Φ35mm Petri Dish Holder   | ○                     |   |
|                  | Φ54mm Slide Glass Holder  | ○                     |   |
| Focusing         | Coaxial Coarse and Fine Adjustment, Vertical Objective Movement Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation | ●                     |   |
| Illumination     | Halogen Lamp 6V/ 30W  | ●                     |   |
|                  | LED   | ○                     |   |
| Filter           | Diameter 45mm, Blue、 Green and Ground Glass   | ●                     |   |
| Photo Attachment |   | ○                     |   |
| Video Adapter    | Video Adapter with C Mount  | ○                     |   |

Note: ● Standard Outfit, ○ Optional



### IBM-I41 Inverted Biological Microscope

With the core concept of energy conservation and environmental protection, IBM-I41 is more intelligent and longer lifetime. Specially designed for cell tissue culture, IBM-I41 with high contrast and resolution, highlighting the outline and internal structure of cells, meets the needs of basic laboratory research.

| Model          |  | IBM-141 |
|----------------|--|---------|
| Optical System | Infinity color corrected optical system  | ●       |
| Viewing Head   | 45° inclined trinocular head, 360° rotatable, interpupillary range: 50-75mm, fixed splitting ratio=5:5   | ●       |
| Eyepiece       | High eye-point wide field plan eyepiece PL10X/22mm, with adjustable diopter, micrometer attachable   | ●       |
|                | High eye-point wide field plan eyepiece PL15X/16mm, with adjustable diopter  | ○       |
| Objective      | Infinity plan achromatic objectives 4X/10X/20X/40X/60X   | ●       |
|                | Infinity plan phase contrast objectives 4X/10X/20X/40X   | ○       |
|                | Infinity plan fluorescent objectives 4X/10X/20X/40X/60X  | ○       |
|                | Infinity plan phase contrast and fluorescent objectives 20X/40X  | ○       |
| Nosepiece      | Quintuple nosepiece  | ●       |
| Frame          | Biological frame with coaxial focus system, coarse range: 9mm (6.5mm up and 2.5 down), fine precision: 0.002mm. With upper limit and tension adjustment. | ○       |
|                | External wide voltage transformer, 100V-240V input and 12V5A output; 5W LED with light indicator, intensity adjustable. With infrared induction.         | ●       |
| Stage          | 215mm X 250mm fixed stage; mechanical stage attachable, moving range: 120mm X 80mm; extension plate; slide holder;                                       | ●       |
|                | Petri dish holder; Terasaki holder; metal plate; glass plate.  | ●       |
| Condenser      | NA0.3 long working distance condenser, demountable.  | ●       |
| Camera adapter | 0.35X, 0.5X, 0.65X, 1X C-mount adapter   | ○       |
| Others         | Color temperature change filter, green interference filter, infrared eliminate filter, phase contrast kit and attenuation filter ND25/ND50               | ○       |

### XT-2A Stereo Microscope

Binocular Stereo Microscope,  
Eyepiece: WF10X  
Objective: 2X  
Coarse Focusing Range: 40mm  
Working Distance: 70mm



### XT-2B Stereo Microscope

Binocular Stereo Microscope,  
Eyepiece: WF10X  
Objective: 4X  
Coarse Focusing Range: 40mm  
Working Distance: 60mm



### XT-3A Stereo Microscope

Binocular Stereo Microscope  
Binocular head, 45° inclined  
Eyepiece: WF10X  
Objective: 2X, 4X  
Coarse Focusing Range: 40mm  
Working Distance: 57mm  
Optional: 360° rotatable.



### XT-3B Stereo Microscope

Binocular Stereo Microscope  
Binocular head, 45° inclined  
Eyepiece: WF10X  
Objective: 2X, 4X  
Illumination: Top light, halogen lamp  
Coarse Focusing Range: 40mm  
Working Distance: 57mm  
Optional: 360° rotatable.



**XT-3C Stereo Microscope**

Binocular Stereo Microscope  
Binocular head, 45o inclined  
Eyepiece: WF10X  
Objective: 2X,4X  
Illumination: Incident and transmitted, halogen lamp  
Coarse Focusing Range: 40mm  
Working Distance: 57mm  
Optional: 360° rotatable.



**XT-3D Stereo Microscope**

Binocular Stereo Microscope,  
45o inclined,360o rotatable,  
Eyepiece: WF10X  
Objective: 2X/4X  
Focus Range: 40mm  
Illumination: Incident and transmitted



**LTX-112B Stereo Microscope**

Binocular Stereo Microscope,  
45o inclined, 360o rotatable,  
High Point Wide Field Eyepiece: HWF10X  
Long Working Distance Objective: 2X/4X  
Illumination: Incident and transmitted,  
brightness adjustable  
Optional:  
Eyepiece: HWF15X,HWF20X  
Objective 1X,3X



**XTD-206 Stereo Microscope**

Binocular 45o inclined,360o rotatable,  
Eyepiece: WF10X  
LED illumination  
Objectives: 2X,4X



**ST-2A/2B Stereo Microscope**

Binocular Stereo Microscope  
Binocular head, 45°inclined  
Eyepiece: WF10X  
Objective: 4X  
Coarse Focusing Range: 40mm  
Working Distance: 60mm  
Optional:  
Objective: 1X, 2X, 3X  
ST-2A Without Illumination  
ST-2B With Illumination:  
Incident light, halogen lamp



**ST-2C Stereo Microscope**

Binocular Stereo Microscope  
Binocular head, 45°inclined  
Eyepiece: WF10X  
Objective: 4X  
Illumination: Incident and transmitted light,  
halogen lamp  
Coarse Focusing Range: 40mm  
Working Distance: 60mm  
Optional:  
Objective: 1X, 2X, 3X



**Dissection Microscope XSJ-3**

Eyepiece: 10X  
Total magnification: 10X  
Illumination: Reflector  
Working Stage:  
70mm X 60mm



**Dissection Microscope XSJ-1**

Eyepiece: 10X  
Objective: 2X  
Total magnification: 20X  
Illumination: Reflector  
Working Stage:  
70mm X 60mm  
4X objective optional.  
20X eyepiece optional.



**ST6013-B4**

Base: B4 Arm Style Flat Base



**ST6013-B6**

Base: B6 Column Oblique Flat Base



**ST6013-B7**

Base: B7 Arm Oblique Flat Base



**ST6013-B8L**

Base: B8L Column Led Light Base



**ST6013-B9L**

Base: B9L Vertical Arm Led Light Base



**ST6013-J1**

Base: J1 Column Fan Base



**ST6013-J2**

Base: J2 Arm-in Fan Base

**St6013 Series Stereo Microscopes**

St6013 series stereo microscopes, have good image, high resolution, large depth of field, wide field of view, long working distance, easy to operate and comfortable, with quality optics and durable operating mechanism. New design shows the good resolution and true color images, to meet the modern biomedical research, modern electronic industry and other technology industries.

**Characteristics:**

- Optical system coated with special coating, to form the field of view clear and images bright and flat
- Stereo lens combinations 2X/4X, 1X/2X, 1X/3X for selection
- Standard magnification 20X/40X, and other optional auxiliary lens, the magnification range: 5X~160X
- Standard working distance of 100mm, creating enough space for use
- 10X wide field eyepieces, FOV 20mm, high eye point design, more suitable for research and observation
- Observation Head 45 deg; inclined binocular diopter adjustable, easy to operate and comfortable
- Vertical hand wheel high repetition accuracy focusing
- Best eye point height, to ensure different vision users get a clear image

**Technical Data Sheet**

|                        |  |
|------------------------|--|
| Magnification          | Standard configuration : 20X/40X, with optional eyepieces and auxiliary objectives expandable 5X~ 160X, vertical shift     |
| Objective              | 2X / 4X, (1X / 2X, 1X / 3X optional)   |
| Eyepiece               | High eye point wide field eyepiece WF10X/20mm  |
|                        | High eye point wide field eyepiece WF15X/15mm (optional)<br>High eye point wide field eyepiece WF20X/10mm (optional)       |
| Observation head       | Binocular head , 45° inclined 360° rotatable , interpupillary distance 54~76mm, bilateral diopter adjustment (±5 diopters) |
| Working distance       | Standard configuration : 100mm ( effective distance ) with optional auxiliary lens extended to 30mm-165mm                  |
| Auxiliary lens         | 0.5X/165mm, 1.5X/45mm, 2X/30mm (optional)  |
| Focus brackets         | Focusing hand wheel adjustable elastic , lifting range 50mm  |
| Stand and Illumination | As above pictures  |

Note: ● Standard Outfit, ○ Optional



ZSM-7045

**Zoom Stereo Microscope**

- High quality optical system, and optical components coated with special coating created a high-quality optical system.
- Standard magnification 7X~45X. Use optional auxiliary lens, the magnification can be 3.5X~180X.
- Long working distance to create enough space.
- Ergonomic design, feel less fatigue after long time use.

| Model              |  | ZSM-7045 |
|--------------------|--|----------|
| Eyeiece            | Wide field high eyepiont eyepiece<br>WF10X/20mm (can mount micrometer)   |          |
| Viewing Head       | ZSM7045: Binocular head, 45° inclined, 360°rotatable, zoom objective 0.7X-4.5X, working distance 100mm. inter-pupillary range 54~76mm, both tube diopter adjustable (±5)         |          |
| Auxiliary Lens     | 0.5X/165mm. 0.75X/105mm. 1.5X/45mm. 2X/30mm,all optional   |          |
| Stand              | ZSMST2 pillar type transmission stand, top & bottom halogen illuminator 12V15W (brightness adjustment).  |          |
|                    | ZSMST3 pillar type transmission stand, top illuminator with 12V15W halogen bulb, brightness adjustment.bottom illuminator with 7W fluorescent light, fixed brightness (optional) |          |
| Other light source | Ring light/LED/Fiber,all optional  |          |



**ZSM-800 Series  
Zoom Stereo Microscope**

- Excellent Image Quality & Optical Performance with Infinity Parallel Optical System.
- Comfortable Operation with Ergonomic Design Principle.
- With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 6000 hours.
- A Wide Range of Accessories to be Equipped with the Microscope for Multi-purposelt is an Outstanding Assistant in Industrial, Medical and Scientific Research Areas.

| Model                               |  | ZSM-806 | ZSM-808 | ZSM-810 |
|-------------------------------------|--|---------|---------|---------|
| Drawing Tube                        | Binocular Head, 20° Inclined, Interpupillary distance 55-75mm      | ●       | ●       | ●       |
|                                     | Tilting Binocular Head, 0°-35° Inclination                         | ○       | ○       | ○       |
|                                     | Photo Attachment(one photo tube)                                   | ○       | ○       | ○       |
| Eyeiece                             | EW10×/22   | ●       | ●       | ●       |
|                                     | WF15×/16   | ○       | ○       | ○       |
|                                     | WF20×/12   | ○       | ○       | ○       |
| Zoom Objective                      | 0.8×-5×  | ●       | ○       | ○       |
|                                     | 0.8×-6.4×  | ○       | ●       | ○       |
|                                     | 0.8×-8×  | ○       | ○       | ●       |
| Objective                           | Plan Achromatic Objective 1×                                       | ●       | ●       | ●       |
|                                     | Plan Apochromatic Objective 0.5×                                   | ○       | ○       | ○       |
|                                     | Plan Achromatic Objective 2×                                       | ○       | ○       | ○       |
| Zoom Ratio                          | Achromatic Objective 0.3×  | ○       | ○       | ○       |
|                                     | 1: 6   | ●       | ○       | ○       |
|                                     | 1: 8   | ○       | ●       | ○       |
| Working Distance                    | 1: 10  | ○       | ○       | ●       |
|                                     | 78mm   | ●       | ●       | ●       |
| Focusing                            | Focusing Range 105mm   | ●       | ●       | ●       |
| Illumination                        | Transmission or Reflection LED Illumination, Brightness Adjustable | ●       | ●       | ●       |
|                                     | Coaxial Illumination   | ○       | ○       | ○       |
| Fluorescent Attachment              |  | ○       | ○       | ○       |
| Dark Field Attachment               |  | ○       | ○       | ○       |
| Photo/ Video Attachment             |  | ○       | ○       | ○       |
| Simple Polarization Set             |  | ○       | ○       | ○       |
| Iris Diaphragm                      |  | ○       | ○       | ○       |
| Mechanical Stage                    |  | ○       | ○       | ○       |
| Temperature Stage                   |  | ○       | ○       | ○       |
| Universal Table Stand               |  | ○       | ○       | ○       |
| D Stand                             |  | ○       | ○       | ○       |
| Coaxial Coarse & Fine Focusing Unit |  | ○       | ○       | ●       |

Note: ● Standard Outfit, ○ Optional



ZSM-405

**Zoom Stereo Microscope**

- High quality, high function and excellent cost performance.
- Best choice with ergonomic design, sharp image display and wide viewing field.
- Providing a wide viewing field of Φ20mm with zoom ratio of 1:4.5. Ideal instrument in academic, medical and industrial fields.

| Model            |                                  | ZSM-405 |
|------------------|----------------------------------|---------|
| Viewing Head     | Binocular head, inclined at 45°  | ●       |
|                  | Binocular head, inclined at 60°  | ○       |
|                  | Trinocular head, inclined at 45° | ○       |
| Eyeiece          | Wide field eyepiece 10×/ Φ20     | ●       |
|                  | 15×/ 16                          | ○       |
|                  | 20×/ 12                          | ○       |
|                  | 10× Eyepiece with cross hair     | ○       |
| Objective        | Zoom objective                   | ○       |
|                  | 0.7×-3×                          | ○       |
|                  | 1×-4.5×                          | ●       |
| Zoom Ratio       | Auxiliary objective              | ○       |
|                  | 2×. 0.75X. 0.63X. 0.5X           | ○       |
| Working Distance | 1:4.3                            | ○       |
|                  | 1:4.5                            | ●       |
| Illumination     | 97mm                             | ●       |
|                  | LED Reflection illumination      | ●       |
| Photo Attachment | LED Transmission illumination    | ●       |
| Video Attachment |                                  |         |

Note: ● Standard Outfit, ○ Optional



### ZSM-800LCD Series LCD Digital Zoom Stereo Microscope

- ZSM-800LCD series are new generation microscope with micro computer which drives the operation system WinCE5.0 and display system.
- It supports 100M Ethernet network and Wi-Fi wireless net, can communicate with PC.
- 8.4 inch TFT touching screen, friendly man-machine interface, multiple peripheral interfaces and powerful processing function, make it very easy to operate. It can be widely used in various optical micro fields, such as teaching, researching, electronic checking and so on.

| Model            |  | ZSM-806LCD | ZSM-808LCD | ZSM-810LCD |
|------------------|--|------------|------------|------------|
| Viewing Head     | Binocular head, 20°inclined, interpupillary 55-75mm                | ●          | ●          | ●          |
|                  | Tilting binocular head, 0°-35° inclined, interpupillary 55-75mm    | ○          | ○          | ○          |
| Eyepiece         | EW10×/Φ22  | ●          | ●          | ●          |
|                  | WF15×/Φ16  | ○          | ○          | ○          |
| Zoom Objective   | WF20×/Φ12  | ○          | ○          | ○          |
|                  | 0.8×~5×  | ●          | ○          | ○          |
|                  | 0.8×~6.4×  | ○          | ●          | ○          |
| Objective        | 0.8×~8×  | ○          | ○          | ●          |
|                  | Plan Apochromatic objective 0.5×                                   | ○          | ○          | ○          |
|                  | Plan Achromatic objective 1×                                       | ●          | ●          | ●          |
|                  | Plan Achromatic objective 2×                                       | ○          | ○          | ○          |
|                  | Achromatic objective 0.3×  | ○          | ○          | ○          |
| Zoom Ratio       | Achromatic objective 0.5×  | ○          | ○          | ○          |
|                  | 1: 6   | ●          | ○          | ○          |
|                  | 1: 8   | ○          | ●          | ○          |
| Working Distance | 1: 10  | ○          | ○          | ●          |
|                  | 78mm   | ●          | ●          | ●          |
| Focusing         | Focusing range 105mm   | ●          | ●          | ●          |
| Illumination     | Transmission or reflection LED illumination, brightness adjustable | ●          | ●          | ●          |
|                  | 5.0 Mega pixels CMOS chip  | ●          | ●          | ●          |
| Digital Part     | Wifi and Bluetooth   | ●          | ●          | ●          |
| Output           | USB2.0, Mini USB, HDMI   | ●          | ●          | ●          |
| Operating System | Android 4.2.2  | ●          | ●          | ●          |
| Software         | TouchScope (For microscope) NMS client (For PC)                    | ●          | ●          | ●          |
| SD Card          | Expandable to max 2GB Kinston SD card                              | ○          | ○          | ○          |
| Mouse            |  | ●          | ●          | ●          |
| Optional         | Coaxial illumination   | ○          | ○          | ○          |
|                  | Epi-fluorescent attachment   | ○          | ○          | ○          |
|                  | Dark field attachment  | ○          | ○          | ○          |
|                  | Simple polarization set  | ○          | ○          | ○          |
|                  | Iris diaphragm   | ○          | ○          | ○          |
|                  | Photography & video attachment                                     | ○          | ○          | ○          |
|                  | Coaxial coarse & fine focusing unit                                | ○          | ○          | ○          |

Note: ● Standard Outfit, ○ Optional



### ZSM-606 Zoom Stereo Microscope

- With high quality optical components, it provides sharp and striking contrast image and ensures flat image at big depth of field. Ease the tiredness with ergonomic design.
- With LED light for both incident and transmitted illumination, it provides even illumination and life expectancy can reach 6000 hours.
- With complete eyepieces, objectives and accessories, it is an ideal instrument for industry assembling, inspection and teaching field.

| Model                   | ZSM-606                                  |   |
|-------------------------|--|---|
| Viewing Head            | Binocular Viewing Head, Inclined at 45°  | ● |
|                         | Trinocular Viewing Head, Inclined at 45° | ○ |
| Eyepiece                | Extra wide field eyepiece EW10×/22       | ● |
|                         | WF15×                                    | ○ |
| Zoom Objective          | WF20×                                    | ○ |
|                         | 0.8×~5×                                  | ● |
| Zoom Ratio              | 6.3:1                                    | ● |
| Working Distance        | 115mm                                    | ● |
| Interpupillary Distance | 55-75mm                                  | ● |
| Auxiliary objective     | 0.5×                                     | ○ |
|                         | 2×                                       | ○ |
| Glass Insert            | Diameter 100mm                           | ● |
| Illumination            | Incident Illumination 100V-240V/ LED     | ● |
|                         | Transmitted Illumination 100V-240V/ LED  | ● |
| Photo Attachment        |  | ○ |
| Video Attachment        |  | ○ |

Note: ● Standard Outfit, ○ Optional



### ZSM6745-B9L

#### Detail:

ZSM6745 zoom stereo microscope provides high-quality, durable and reliable optical system and operating mechanism. New design shows the best resolution and true color images, to meet the modern biomedical research, modern electronics industry online testing and other technology.

| Technical Data Sheet   |   |                    |   |
|------------------------|---|--------------------|---|
| Eyepiece               | High eye point wide field eyepiece ±5 diopters adjustable   | WF10X/22mm         | ● |
|                        |   | WF15X/15mm         | ○ |
|                        |   | WF20X/10mm         | ○ |
|                        |   | WF25X/9mm          | ○ |
|                        |   | WF30X/8mm          | ○ |
|                        |   | Mounted micrometer | ○ |
| Observation head       | Binocular head, 45° inclined; 360° rotatable; 0.67X~4.5X continuous zoom lens. Long working distance 105mm. Interpupillary distance adjustment range 54-75mm. |                    | ● |
| Auxiliary lens         | 0.5X/165mm. 2X/30mm.  |                    | ○ |
| Focus brackets         | A1 focus frame, focusing hand wheel adjustable and elastic, lifting range 50mm.   |                    | ● |
| Base                   | B9L vertical arm and LED light base   |                    | ● |
| Other external sources | Ring light  |                    | ○ |
|                        | LED light   |                    | ○ |
|                        | Fiber optic lighting  |                    | ○ |

Note: ● Standard Outfit, ○ Optional





### ZSM8050 Series Zoom Stereo Microscope

**Characteristics:**

ZSM8050 series zoom stereo microscope, provides high-quality, durable and reliable optical system and operating mechanism. New design show the best resolution and true color images, to meet the modern biomedical research, modern electronic industry online testing and other technology industries which have high-precision requirements

#### Technical Data Sheet

|                               |  |   |
|-------------------------------|--|---|
| Head                          | Binocular stereoscope body , inclined 45 °   | ● |
| Adjustable diopter eyepiece   | Wide Field Eyepiece EW10 × // Φ22            | ● |
|                               | Wf15 × / Φ16                                 | ○ |
|                               | Wf20 × / Φ12                                 | ○ |
|                               | Wf30 ×                                       | ○ |
| Zoom lens                     | 0.8 × ~ 5 ×                                  | ● |
| Zoom ratio                    | 6.3:1  | ● |
| Working Distance              | 115mm  | ● |
| IPD                           | 52-75mm                                      | ● |
| Auxiliary lens                | 0.5 ×  | ○ |
|                               | 0.7 ×  | ○ |
|                               | 2 ×  | ○ |
| Stage into the circular plate | 125mm diameter transparent glass plate       | ● |
|                               | white plate                                  | ○ |
| Illumination system           | no light                                     | ○ |
|                               | reflected light 100V-240V/LED                | ● |
|                               | transmitted light illumination 100V-240V/LED | ● |
| Photography accessories       |  | ○ |

Note: ● Standard Outfit, ○ Optional configuration



### ZSM102LCD LCD Display Zoom Stereo Microscope

**Features:**

- LCD display with special connector can be used for biological microscope and stereo microscope, after installing, can observe the slides and objects easily, especially for industrial parts' checking, can reduce the visual fatigue and improve checking efficiency.

**TECHNICAL SPECIFICATION: CCD Technical Data:**

- Device Dimension: 1/3"
- Horizontal Resolution: 700TVline
- Pixels: 976(H)X582(V)

**LCD Technical Data**

- Display Dimension: 800X600
- Colors: 16,777,216,full color
- Highest Mode: 1024X768@75Hz
- Color System: PAL/NTSC4.43/NTSC3.58/SECAM

**Microscope Specification:**

- Eyepiece: WF10X/22mm(Optional: WF15X,WF20X)
- Objective: 0.7X-4.5X
- Viewing Head: Trinocular head, 45°inclined,360°rotatable
- Total Magnification: 7X-45X
- Working Distance: 100mm
- Base Size: 290X245X60mm, with spring clips
- Focusing Range: Rack and pinion focusing, with mechanism for adjusting focusing torque.
- Focusing range: 85mm
- Standing Method: Arm, height 280mm (Optional: Pole, height 280mm, moving range:130mm)
- Illumination: Top and bottom 3.5V/1W LED light, light adjustable separately



### YJ-403J Series Inverted Metallurgical Microscope

#### Specification Model

|                    |  | YJ-403J            | YJ-403JT | YJ-403JA | YJ-403JAT |   |
|--------------------|--|--------------------|----------|----------|-----------|---|
| Viewing head       | Compensation Free Binocular Head. Inclined at 45 ° ( 50mm -75mm )  | ●                  |          | ●        |           |   |
|                    | Compensation Free Trinocular Head. Inclined at 45 ° ( 50mm -75mm )   |                    | ●        |          | ●         |   |
| Eyepiece           | WF10X/20mm   | ●                  | ●        |          |           |   |
|                    | WF10X/ 22mm  |                    |          | ●        | ●         |   |
| Nosepiece          | With reticule 0.1mm  | ●                  | ●        | ●        | ●         |   |
|                    | Quadruple nosepiece  |                    |          | ●        | ●         |   |
| Objective          | 195 metallurgical objectives   | 4X/0.1W.D .25mm    |          |          |           |   |
|                    |  | 10X/ 0.25W.D .11mm | ●        | ●        |           |   |
|                    |  | 20X/0.4W.D .9mm    |          |          |           |   |
|                    |  | 40X/0.6W.D. 3.8mm  |          |          |           |   |
|                    | Infinity metallurgical objectives  | 4X/0.1W.D .25mm    |          |          |           |   |
|                    |  | 10X/ 0.25W.D .12mm |          |          | ●         | ● |
|                    | 20X/0.4W.D .10mm   |                    |          |          |           |   |
|                    | 40X/0.6W.D. 7.1mm  |                    |          |          |           |   |
|                    | 50X/0.75W.D. 1.9mm 80 (S)X/0.9W.D. 0.9mm   | ○                  | ○        | ○        | ○         |   |
| Stage              | Double layer mechanical stage  |                    |          |          |           |   |
|                    | Stage size: 242mm×172mm  | ●                  | ●        | ●        | ●         |   |
|                    | Central stage: Φ110mm  |                    |          |          |           |   |
|                    | Moving range: 75mm×50mm  |                    |          |          |           |   |
| Focusing           | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism<br>Fine focusing scale value 0.002mm            | ●                  | ●        | ●        | ●         |   |
| Illumination       | Epi-Kohler illumination. With aperture iris diaphragm and field iris diaphragm. 12V/30W.AC85V-230V Adjustable brightness | ●                  | ●        | ●        | ●         |   |
| Filter             | Blue, green, yellow  | ●                  | ●        | ●        | ●         |   |
| Polarizing outfit  | Analyzer rotatable 360 ° ,polarizer & Analyzer can be slided in / out of the optical path                                | ●                  | ●        | ●        | ●         |   |
| Checking tool      | 0.01mm micrometer  | ●                  | ●        | ●        | ●         |   |
| Optional Accessory | 1.3、 2.0、 3.0、 5.0 Mega pixels CMOS electronic eyepiece  |                    |          |          |           |   |
|                    | Photography attachmrt  |                    |          |          |           |   |

**YJ-158J  
Metallurgical Microscope**



XJP-158J Metallurgical microscope is developed and aimed at the semiconductor industry, wafer manufacturing, electronic information industry, metallurgical industry. Used as an advanced Metallurgical microscope, the user can experience its super performance when using. It can be widely used to identify and analyze Semiconductor, FPD, circuit encapsulation, circuit substrate, material, casting/metal/ceramic parts, precision moulds. This instrument adopts both reflecting and transmitted illumination. Bright & Dark field, DIC and Polarizing observation can proceed under reflecting illumination, and the Bright field observation is done under transmitted light. High quality and reliable optical system brings much clearer and sharper image. The design meets with the ergonomics needs and makes you feel comfortable and relaxed in doing your job.

**Characteristics and description**

1. Adopt UIS High-resolution, long working distance, and infinity light path correcting system objective imaging technology
2. Extending the multiplexing technology of objective, compatible infinity objective with all the observation methods, including bright & dark field observation, polarization and DIC also provide with high clear and sharp image in each observation method.
3. Aspherical surface Kohler illumination, increasing the viewing brightness.
4. Wf10×(φ25)Super wide viewing field eyepiece, long working distance metallurgical objective with bright and dark field
5. The Nosepiece can be equipped with detachable DIC differential interference device.

| Model   | YJ-158J  |
|---|--|
| Viewing Head  | Compensation Free Trinocular Head, Inclined 30° (50mm-75mm)  |
| Eyepiece  | WF10×/25mm   |
|   | WF10×/20mm,crosshair with reticule 0.1mm   |
| Objective   | Long working distance bright and dark field Infinite Plan objectives: 5×/0.1B.D/W.D.29.4mm 10×/0.25B.D/W.D.16mm 20×/0.40B.D/W.D.10.6mm 40×/0.60B.D/W.D.5.4mm |
| Nosepiece   | With DIC Jack Quadruple Nosepiece  |
| Stage   | Double layer mechanical stage  |
|   | Stage Size: 189mm×160mm<br>Moving Range:80mm×50mm  |
| Filter  | Flashboard type filters(green,blue,neutral)  |
| Condenser   | N.A.1.25 Abbe Condenser with iris diaphragm and filter   |
| Focusing  | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism.Fine focusing scale value 0.002mm   |
| Polarizing Device                                   | Analyzer rotatable 360°,Polarizer&Analyzer can be moved in/out of the optical path   |
| Light Source  | Transmitted Illumination: Halogen Bulb 12V/50W,AC85V-230V, Brightness Adjustable   |
|   | Epi-illumination:With aperture iris diaphragm and field iris diaphragm, halogen Bulb 12V/50W,AC85V-230V, Brightness Adjustable                               |
| Polarizing Device                                   | Analyzer 360°rotatable,both Polarizer and Analyzer can be moved out of the light path  |
| Checking Tool                                       | 0.01mm Micrometer  |
| Optional Accessory                                  | Two-dimensional measurement software   |
|   | Professional metallurgical image analysis software   |
|   | Epi-illumination:Halogen Bulb 12V/100W,AC85V-230V, Brightness Adjustable   |
|   | Long working distance bright & dark field Infinite Planobjectives:<br>50×/0.55B.D/W.D.5.1mm、80×/0.75B.D/W.D.4mm、100×/0.80B.D/W.D.3mm                         |
|   | Micrometer eyepiece  |
|   | 1.3Mega、2.0 Mega、3.0 Mega,5.0 Mega pixels CMOS Digital camera eyepieces  |
|   | Photography attachmentand CCD Adapter 0.5×、0.57×、0.75×   |
|   | DIC (10×、20×、40×、100×)   |
| Planishing tool                                     |  |
| CCD Camera,colour 1/3" High resolution 520 TV lines |  |



**YJ-501 Series Polarizing Microscope**

| Specification      |   | Model  |         |        |        |         |
|--------------------|---|--------|---------|--------|--------|---------|
|                    |   | YJ-501 | YJ-501T | YJ-148 | YJ-146 | YJ-148T |
| Viewing head       | Sliding Binocular Head, Inclined at 45° (52mm -74mm )   | ●      |         |        |        |         |
|                    | Sliding Trinocular Head, Inclined at 45° (52mm -74mm )  |        | ●       |        |        |         |
|                    | Sliding Binocular Head, Inclined at 45°   |        |         | ●      |        |         |
|                    | Compensation Free Trinocular Head, Inclined at 30°  |        |         |        | ●      |         |
| Eyepiece           | Sliding Trinocular Head, Inclined at 45°  |        |         |        |        | ●       |
|                    | WF10X/18mm  | ●      | ●       |        |        |         |
|                    | WF10X gridding eyepiece   | ●      | ●       | ●      | ●      | ●       |
|                    | WF10X with reticule   | ●      | ●       | ●      | ●      | ●       |
| Objective          | WF10X22mm   | ○      | ○       | ●      | ●      | ●       |
|                    | Achromatic objective: 4X,10X, 25X, 40X(S), 63X(S)   | ●      | ●       | ●      |        |         |
| Stage              | Infinite plan Achromatic objective: 4X,10X, 20X, 40X(S), 63X(S), 100X(S)oil                                 | ○      | ○       |        | ●      | ●       |
|                    | Round revolving stage   |        |         |        |        |         |
|                    | Stage dia: Φ160mm   | ●      | ●       | ●      | ●      | ●       |
| Condenser          | Rotatable: 360°   |        |         |        |        |         |
|                    | Swing type N.A.1.25 Abbe condenser with iris diaphragm & filter   | ●      | ●       | ●      | ●      | ●       |
| Focusing           | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism. Fine focusing scale Value 0.002mm | ●      | ●       | ●      | ●      | ●       |
| Collector          | High brightness light collector   | ●      | ●       | ●      | ●      | ●       |
| Light source       | Halogen bulb 6V/30W.AC 85V-230V   | ●      | ●       | ●      | ●      | ●       |
|                    | Adjustable brightness   |        |         |        |        |         |
| Optional Accessory | Eyepieces: WF16X,WF20X,P16X   | ○      | ○       | ○      | ○      | ○       |
|                    | 1.3Mega、3.0Mega Pixels CMOS Digital camera eyepiece   |        | ○       |        | ○      | ○       |

Mark "●" "standard outfit. Mark:" ○ "optional parts.



**YJ-148PL**



**YJ-148PLT**

**YJ-148 Series Polarizing Microscope**

| Specification      |   | Model  |           |
|--------------------|---|--|-----------|
|                    |   | YJ-148PL   | YJ-148PLT |
| Viewing Head       | Compensation Free Binocular Head Inclined at 30°(50mm~75mm)             | ●  |           |
|                    | Compensation Free Trinocular Head Inclined at 30°(50mm~75mm)            |  | ●         |
| Eyepiece           | WF10×/20mm  | ●  | ●         |
|                    | WF10×Gridding Eyepiece  | ●  | ●         |
|                    | Wf10×eyepiece with reticule   | ●  | ●         |
|                    | WF10×/22mm  | ○  | ○         |
| Nosepiece          | Quintuple Nosepiece with centering adjustable                           | ●  | ●         |
| Objective          | Stress-free Infinity Plan Achromatic Objective:4×,10×,25×,40×(s),63×(s) | ●  | ●         |
|                    | Rotary Stage  |  |           |
|                    | Stage Size: Φ172mm  | ●  | ●         |
| Stage              | Moving Range: 360°  |  |           |
|                    | Condenser   | Swing type N.A.1.25 Abbe condenser with iris diaphragm | ●         |
| Testing Piece      | Gypsum 1λ testing piece   | ●  | ●         |
|                    | Mica 1/4 λ testing piece  | ●  | ●         |
|                    | Quartz wedge testing piece  | ●  | ●         |
| Focusing           | Coaxial coarse & fine focusing adjustment. With rack and pinion         | ●  | ●         |
| Illuminator        | High brightness fixed illumination                                      | ●  | ●         |
| Light Source       | Halogen Bulb 6V/30W.AC85V230V   | ●  | ●         |
|                    | Adjustable Brightness   |  |           |
| Checking Tool      | 0.01mm micrometer   | ○  | ○         |
|                    | Eyepiece: WF16×, WF20×, P16×  | ○  | ○         |
| Optional Accessory | 1.3Mega、2.0Mega、3.0Mega、  |  |           |
|                    | 5.0Mega Pixels CMOS Digital camera eyepiece                             |  |           |
|                    | Stress-free objective:100×(s)Oil  |  |           |
|                    | Photography attachment and CCD Adapter 0.5×、×0.57×、0.75×                |  |           |

Note: ● Standard Outfit, ○ Optional



**YJ-800M Polarizing Microscope Features:**

- Supply high quality and contrast image with special strain free objective.
- Single polarization, orthogonal polarization and conoscopic observation.
- Transmitted light and reflected light, 24V/100W long life halogen lamp.
- Stage with 45° located, attachable mechanical stage with large moving range, high efficiency no interference when turning objectives.
- Professional polarizing microscope for geology, petroleum, chemicals, polymer, and LED field.

| Model                                 |  | YJ-800M |
|---------------------------------------|--|---------|
| Optical System                        | Infinite optical system  | ●       |
| Viewing Head                          | Seidentopf trinocular head inclined at 30°, Interpupillary 48-75mm   | ●       |
| Eyepiece                              | Plan eyepiece EW10X/22   | ●       |
|                                       | Plan eyepiece with scale of crosshair, Plan eyepiece with cross, Plan eyepiece with gridding   | ●       |
| Strain-Free Plan Achromatic Objective | 4X/0.10/∞/- WD 17.3mm  | ●       |
|                                       | 10X/0.25/∞/0.17 WD 10.0mm  | ●       |
|                                       | 20X/0.40/∞/0.17 WD 5.10mm  | ○       |
|                                       | 40X/0.65/∞/0.17 WD 0.54mm  | ●       |
|                                       | 100X/1.25/∞/0.17 WD 0.13mm   | ●       |
| Nosepiece                             | Backward quintuple nosepiece, center adjustable  | ●       |
| Analyzer                              | 360° dial rotation minimum scale reading:0.1°(Vernier scale)   | ●       |
| Conoscopic observation attachment     | Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable   | ●       |
| Optical Compensator                   | 1λ plate, 1/4λ plate and quartz wedge plate  | ●       |
| Polarizing Rotatable Stage            | Diameter Φ170mm, Center adjustable, 360° scale, Minimum division 1°, Minimum reading 6 by means of vernier scale, 45° Click stop knob  | ●       |
| Attachable Stage                      | Moving range 30mmX40mm   | ○       |
| Condenser                             | Strain-free swing condenser NA0.9/0.25   | ●       |
| Focusing                              | Coaxial coarse & fine adjustment, Range 32mm, Fine division 0.001mm, Coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation | ●       |
| Polarizer                             | 360°rotatable 0°position adjustable  | ●       |
| Illumination                          | 24V/100W Halogen lamp, Brightness adjustable   | ●       |
| Filter                                | Blue filter Φ45mm  | ●       |
|                                       | ND6 Neutral density filter Φ45mm   | ○       |
|                                       | ND25 Neutral density filter Φ45mm  | ○       |
| Attachment                            | Video attachment   | ○       |
|                                       | 0.01mm Micrometer  | ○       |

Note: ● Standard Outfit, ○ Optional



### YJ-800RF/TRF Polarizing Microscope

#### Features:

- Supply high quality and contrast image with special strain free objective.
- Single polarization, orthogonal polarization and conoscopic observation.
- Transmitted light and reflected light, 24V/100W long life halogen lamp.
- Stage with 45° located, attachable mechanical stage with large moving range, high efficiency and no interference when turning objectives.

| Model                                 |  | YJ-800RF | YJ-800TRF |
|---------------------------------------|--|----------|-----------|
| Optical System                        | Infinite optical system  | ●        | ●         |
| Viewing Head                          | Seidentopf trinocular head inclined at 30°, Interpupillary 48-75mm   | ●        | ●         |
| Eyepiece                              | Plan eyepiece EW10X/22   | ●        | ●         |
|                                       | Plan eyepiece with scale of crosshair, Plan eyepiece with cross, Plan eyepiece with gridding   | ●        | ●         |
| Strain-Free Plan Achromatic Objective | 5X/0.12/∞/- WD 15.5mm  | ●        | ●         |
|                                       | 10X/0.25/∞/- WD 10.0mm   | ●        | ●         |
|                                       | 20X/0.4/∞/0 WD 5.8mm   | ●        | ●         |
|                                       | 50X/0.75/∞/0 WD 0.32mm   | ●        | ●         |
|                                       | 100X/0.8/∞/0 WD 2mm  | ●        | ●         |
|                                       | 40X/0.65/∞/0.17 WD 0.54mm  |          | ●         |
|                                       | 100X/1.25/∞/0.17 WD 0.13mm   |          | ●         |
| Nosepiece                             | Backward quintuple nosepiece, Center adjustable  | ●        | ●         |
| Analyzer                              | 360° dial rotation Minimum scale reading: 0.1° (Vernier scale)   | ●        | ●         |
| Conoscopic observation attachment     | Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable   | ●        | ●         |
| Optical Compensator                   | 1λ plate, 1/4λ plate and quartz wedge plate  | ●        | ●         |
| Polarizing Rotatable Stage            | Diameter Φ170mm, Center adjustable, 360° scale, Minimum division 1°, Minimum reading 6 by means of vernier scale, 45° Click stop knob  | ●        | ●         |
| Attachable Stage                      | Moving range 30mmX40mm   | ○        | ○         |
| Condenser                             | Strain-free swing condenser NA0.9/0.25   |          | ●         |
| Focusing                              | Coaxial coarse & fine adjustment, Range 32mm, Fine division 0.001mm, Coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation | ●        | ●         |
| Polarizer                             | Transmitted: 360° Rotatable and 0° position adjustable   |          | ●         |
|                                       | Reflected: Fixed   | ●        | ●         |
| Illumination                          | Reflected light: 24V/100W Halogen lamp, Brightness adjustable  | ●        | ●         |
|                                       | Transmitted light: 24V/100W Halogen lamp, Brightness adjustable  |          | ●         |
| Filter                                | Blue filter Φ45mm  |          | ●         |
|                                       | ND6 Neutral density filter Φ45mm   |          | ○         |
|                                       | Nd25 Neutral density filter Φ45mm  |          | ○         |
|                                       | Blue filter Φ25mm  | ○        | ○         |
|                                       | ND6 Neutral density filter Φ25mm   | ○        | ○         |
| Attachment                            | Video attachment   | ○        | ○         |
|                                       | 0.01mm Micrometer  | ○        | ○         |

Note: ● Standard Outfit, ○ Optional



### YJ-606 Fluorescent Microscope

YJ-606 is biological microscope with Epi-fluorescence device. Epi-fluorescence widely used in biology, medicine, immunology, oncology, genetics, material science and other fields. Conventional configuration has 5 wave bands, and B,G,BV,V,U can be switched, and meanwhile, the conventional transmission observation can be proceeded. High-quality optical system and fluorescent attachment make you observe the satisfactory fluorescent effect. It is your best choice because of its humanized configuration design, convenient operation system and novel appearance.



### YJ-403Y Inverted Fluorescent Microscope

YJ-403Y inverted fluorescent microscope is composed of inverted microscope and Epi-fluorescent microscope. The inverted microscope has the feature to observe the specimen in Culture flask and Petri dish. Epi-fluorescent device applies to the fluorescent microscopy. It is equipped with long working distance plan achromatic objectives, wide field eyepiece, binocular observation head, phase contrast kit and phase contrast objectives. The transparent alive objects can be observed without being dyed. Epi-fluorescent microscope adopts Epi-illumination excitation to make fluorescent image clear. Long working distance condenser can contain higher culture dish and specimen. This equipment is specially suitable for micro research of living cells & university, medical treatment, epidemic prevention department and farming & stock raising, etc.

| Model              | YJ-606  |
|--------------------|---|
| Viewing Head       | Compensation free binocular head inclined at 30°(50mm-75mm)   |
| Eyepiece           | WF10×/22mm  |
| Objective          | Infinite apochromatic fluorescent objectives: 4×/N.A.0.15、10×/N.A.0.35、20×/N.A.0.6、40×(S)/N.A.0.75                            |
| Nosepiece          | Sextuple nosepiece  |
| Stage              | Double layer mechanical stage   |
|                    | Stage Size: 180mm×160mm<br>Moving Range: 80mm×50mm  |
| Condenser          | N.A.1.25 Abbe condenser with iris diaphragm and filters   |
| Focusing           | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism.Fine focusing scale value 0.002mm                    |
| Light Source       | Transmission illumination: Halogen bulb 12V/30W, brightness adjustable  |
|                    | Epi-fluorescent illumination: 220V(110V). Ultra-high pressure mercury Lamp100W/DC.Digital display mercury lamp constant power |
| Fluorescent Box    | G、B、BV、V、U Wave Band  |
| Optional Accessory | Eyepiece: WF16×/17mm、WF20×/12.5mm   |
|                    | 1.3Mega、2.0 Mega、3.0 Mega、5.0 Mega pixels CMOS digital camera eyepiece  |
|                    | Infinite plan objectives: 4×、10×、20×、40×(s)、60×(s)、100×(s)oil   |
|                    | Infinite fluorescent objectives:100×(dry)/NA.0.9  |
|                    | Y wave band fluorescent box   |
|                    | Light Source: Halogen bulb 12V/50W,12V/100W<br>Photography attachment and CCD adapter 0.5×、0.57×、0.75×                        |

| Model                  | YJ-403Y   |
|------------------------|---|
| Viewing Head           | Compensation free binocular head inclined at 30°(50mm-75mm)   |
| Eyepiece               | WF10×/22mm  |
| Objective              | Long working distance plan achromatic objectives: 4×、10×(phase contrast)、20×(phase contrast)、40×(s)                           |
| Stage                  | Double layer mechanical stage   |
|                        | Stage size: 242mm×172mm central stage: Φ110mm<br>Moving range: 75mm×40mm  |
| Filter                 | N.A.0.3 Abbe condenser with iris diaphragm, Working distance:75mm   |
| Focusing               | Coaxial coarse & fine focusing adjustment with rack and pinion mechanism.Fine focusing scale value 0.002mm                    |
| Light Source           | Transmission illumination: Halogen bulb 12V/30W, brightness adjustable  |
|                        | Epi-fluorescent illumination: 220V(110V). Ultra-high pressure mercury Lamp100W/DC.Digital display mercury lamp constant power |
| Fluorescent Attachment | B、G wave band   |
| Optional Accessory     | 1.3Mega、2.0 Mega、3.0 Mega、5.0 Mega、pixels CMOS digital camera eyepiece  |
|                        | Objective:40× phase contrast  |
|                        | U、V wave band<br>Photography attachment and CCD adapter 0.5×、0.57×、0.75×  |



YJ-800F(LED)



YJ-300F(LED)

### YJ-800F(LED)/YJ-300F(LED) Fluorescent Microscope

#### Features:

- Excellent fluorescent image with infinite optical system.
- LED illumination with 50,000 hours life expectancy.
- No need for cooling system and protection device due to LED cold light source.
- 465-475nm excited wavelength with high snr.
- Convenient to use, no need warm-up.
- More fluorescent filters are available for different applications.

| Model                  |   | YJ-800F(LED)    | YJ-300F(LED)   |   |
|------------------------|---|-----------------|----------------|---|
| Optical System         | Infinite optical system   | ●               | ●              |   |
| Viewing Head           | Compensation free binocular head inclined at 30°, interpupillary 48-75mm  |                 | ●              |   |
|                        | Compensation free trinocular head inclined at 30°, interpupillary 48-75mm | ●               |                |   |
| Eyepiece               | Extra wide field eyepiece EW10X/22  | ●               |                |   |
|                        | WF10X/18  |                 | ●              |   |
| Nosepiece              | Backward quintuple nosepiece  | ●               |                |   |
|                        | Backward quadruple nosepiece  |                 | ●              |   |
| Infinite Objective     | Semi-plan Achromatic Objective  | 4X              | ●              |   |
|                        |   | 10X             | ●              |   |
|                        |   | 20X             | ○              |   |
|                        |   | 40X             | ●              |   |
|                        |   | 100X            | ●              |   |
|                        | Plan Achromatic Objective   | 4X              | ●              | ○ |
|                        |   | 10X             | ●              | ○ |
|                        |   | 20X             | ○              | ○ |
|                        |   | 40X             | ●              | ○ |
|                        |   | 100X            | ●              | ○ |
| Fluorescent Objective  | 4X, 10X, 20X, 40X, 100X   | ○               | ○              |   |
| Condenser              | Swing condenser NA 0.9/0.25   | ●               |                |   |
|                        | Condenser NA 1.25   |                 | ●              |   |
| Focusing               | Coaxial coarse & fine adjustment, Fine division 0.001mm                   | ●               |                |   |
|                        | Coaxial coarse & fine adjustment, Fine division 0.002mm                   |                 | ●              |   |
| Stage                  | Double layer mechanical stage 185X142/75X55                               | ●               |                |   |
|                        | Double layer mechanical stage 140X140/75X50                               |                 | ●              |   |
| Photo Attachment       |   | ○               | ○              |   |
| Video Adapter          |   | ○               | ○              |   |
| Illumination           | S-LED Illumination  |                 | ●              |   |
|                        | Halogen lamp 6V/20W   |                 | ○              |   |
|                        | Halogen lamp 6V/30W   | ●               |                |   |
| Reflected Light Source | Excitation  | Dichroic Mirror | Barrier Filter |   |
|                        | Blue Excitation Bp460~490   | Dm505           | Ba515          |   |
|                        | Green Excitation Bp510~550  | Dm570           | Ba590          |   |
| Lamp                   | 3W LED (465-475nm)  | ●               | ●              |   |
|                        | 3W LED (525-530nm)  | ○               | ○              |   |
| Immersion Oil          | Fluorescent free oil  | ●               | ●              |   |

Note: ● Standard Outfit, ○ Optional



### YJ-405 Industrial Microscope

YJ-405 industrial microscope is equipped with a large moving range mechanical stage, Epi-illuminator, long working distance bright and dark field, infinite Plan objectives, wide field eyepiece with clear images and good contrast. It is developed and aimed at the semiconductor industry, wafer manufacturing, electronic information industry, metallurgical industry, and used as high grade industrial microscope. Bright & Dark field observation, EPI-polarizing and DIC observation can be proceeded. It is widely used in factories, research institution and college and universities to identify and analyze wafer, FPD, circuit substrate, and precision moulds.

#### Characteristics and description

1. Adopt UIS High-resolution, Long working distance, and infinity light path correcting system objective imaging technology
2. Extending the multiplexing technology of objective, compatible infinity objective with all the observation methods, including bright & dark field observation, polarization and also provide with high clear and sharp image in each observation method.
3. Aspherical surface Kohler illumination, increasing the viewing brightness.
4. WF10 X(φ25 ) super wide field Eyepiece, long working distance metallurgical objective with bright and dark field
5. The Nosepiece can be equipped with detachable DIC differential interference device.

| Model  | YJ-405  |
|--|---|
| Viewing Head   | Compensation Free Trinocular Head, Inclined 30°(50mm-75mm)  |
| Eyepiece   | WF10×/25mm  |
|  | WF10×/20mm, crosshair with reticule 0.1mm   |
| Nosepiece  | Quintuple Nosepiece with DIC Jack   |
| Objective  | Long working distance bright and dark field Infinite Plan objectives: 5 ×/0.1B.D/W.D.29.4mm 10×/0.25B.D/W.D.16mm 20×/0.40B.D/W.D.10.6mm 40×/0.60B.D/W.D.5.4mm |
| Stage  | Double layer mechanical stage   |
|  | Stage Size: 350mm×310mm   |
|  | Moving Range:250mm×250mm  |
| Filter   | Flashboard type filters(green,blue,neutral)   |
| Focusing   | Coaxial coarse & fine focusing adjustment With rack and pinion mechanism. Fine focusing scale value 0.002mm   |
| Light Source   | Epi-illumination:With aperture iris diaphragm and field iris Diaphragm, Halogen Bulb 12V/100W, AC85V-230V, Brightness Adjustable                              |
| Polarizing Device                                    | Analyzer 360° rotatable. Polarizer & Analyzer can be moved in/out of the optical path   |
| Checking Tool  | 0.01mm Micrometer   |
| Optional Accessory                                   | Eyepiece: WF15×/17mm、WF20×/12.5mm   |
|  | 1.3Mega、2.0 Mega、3.0 Mega、5.0 Mega pixels CMOS Digital camera eyepiece  |
|  | Long working distance bright and dark field Infinite Plan objectives: 50×/0.55B.D/W.D.5.1mm、80×/0.75B.D/W.D.4mm、100×/0.80B.D/W.D.3mm                          |
|  | Two-dimensional measurement software  |
|  | Professional metallurgical image analysis software  |
|  | DIC (10×、20×、40×、100×)  |
|  | Photography attachment and CCD Adapter 0.5×、0.57×、0.75×   |
| Planish tool   |   |
| CCD Camera, colour 1/3" High resolution 520 TV lines |   |



### YJ-607 Industrial Microscope

YJ-607 Industrial Metallurgical microscope is developed and aimed at the semiconductor industry, wafer manufacturing, electronic information industry, metallurgical industry. Used as an advanced Metallurgical microscope, the user can experience its super performance when using it. It can be widely used to identify and analyze Semiconductor, FPD, Circuit encapsulation, circuit substrate, Material, Casting/Metal/Ceramic parts, Precision moulds and observe thicker specimen. High quality and reliable optical system brings much clearer and contrast image. The design meets with the ergonomics needs and makes you feel comfortable and relaxed in doing your job.

#### Characteristics and description

1. UIS infinite-optical system.
2. Adopt long-life halogen light source with much higher light efficiency.
3. Bright and dark field, Polarization and differential interference function.
4. The aspherical Kohler illumination, increasing the brightness of observation.
5. WF10×(φ25) Super wide viewing field eyepiece, long working distance metallurgical objective with bright and dark field
6. The Quintuple Nosepiece can be equipped with detachable DIC differential interference device.

DIC: Nomarski differential interference contrast observation is deemed to be the essential means to checkout the materials, semiconductor and metal structure now.

| Model  | YJ-607   |
|--|--|
| Viewing Head   | Compensation Free Trinocular Head, Inclined 30° (50mm-75mm)  |
| Eyepiece   | WF10×/25mm   |
|  | WF10×/20mm, crosshair with reticule 0.1mm  |
| Objective  | Long working distance bright and dark field Infinite Plan objectives: 5×/0.1B.D/W.D.29.4mm 10×/0.25B.D/W.D.16mm 20×/0.40B.D/W.D.10.6mm 40×/0.60B.D/W.D.5.4mm |
| Nosepiece  | Quintuple Nosepiece with DIC Jack  |
| Stage  | Double layer mechanical stage  |
|  | Stage Size: 190mm×140mm  |
|  | Moving Range: 50mm×40mm  |
| Filter   | Flashboard type filters (green, blue, neutral)   |
| Focusing   | Coaxial coarse & fine focusing adjustment With rack and pinion mechanism Fine focusing scale value 0.002mm   |
| Light Source   | With aperture iris diaphragm and field iris diaphragm, halogen Bulb 12V/50W, AC85V-230 Brightness Adjustable   |
| Polarizing Device                                    | Analyzer rotatable 360°, Polarizer & Analyzer can be moved in/out of the optical path  |
| Checking Tool  | 0.01mm Micrometer  |
| Optional Accessory                                   | Two-dimensional measurement software   |
|  | Professional metallurgical image analysis software   |
|  | Halogen Bulb 12V/100W  |
|  | Micrometer eyepiece  |
|  | 1.3Mega, 2.0 Mega, 3.0 Mega, 5.0 Mega pixels CMOS Digital camera eyepieces   |
|  | Long working distance bright & dark field Infinite Plan objectives: 50×/0.55B.D/W.D.5.1mm, 80×/0.75B.D/W.D.4mm, 100×/0.80B.D/W.D.3mm                         |
|  | Precision Stage: X-Y moving range 25mm×25mm, Moving Precision < 5μm, Digital hand wheel Min. Value: 0.1μm, 360° Rotatable disc                               |
|  | Photography attachment and CCD Adapter 0.5×, 0.57×, 0.75×  |
|  | DIC (10×, 20×, 40×, 100×)  |
|  | Planishing tool  |
| CCD Camera, colour 1/3" High resolution 520 TV lines |  |



### IMM-100 Inverted Metallurgical Microscope

#### Features:

Infinite Optical System Providing Excellent Optical Functions. With the stable stand structure, advanced stage design and comfortable operation, it is widely used in institute and laboratory to observe and identify the structure of various metal and alloy.

| Model                              |  | IMM-100 |
|------------------------------------|--|---------|
| Viewing Head                       | Trinocular head inclined at 30°, interpupillary distance 48-75mm   | ●       |
| Eyepiece                           | High-point, extra wide field eyepiece EW10×/20   | ●       |
|                                    | 4×/0.1   | ●       |
|                                    | 5×/0.12  | ○       |
|                                    | 10×/0.25   | ●       |
|                                    | 20×/0.40   | ●       |
|                                    | 40×/0.60   | ●       |
| Infinite Plan Achromatic Objective | 50×/0.75   | ○       |
|                                    | 100×/0.80  | ○       |
|                                    | Quintuple nosepiece  | ●       |
| Nosepiece                          | Plain stage  | ●       |
|                                    | Attachable mechanical stage, X-Y coaxial control, moving range 120×78mm  | ○       |
|                                    | Double layer mechanical stage 226×178mm, Moving range 50×50mm  | ○       |
| Stage                              | Auxiliary stage  | ○       |
|                                    | Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation | ●       |
| Focusing                           | Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation | ●       |
| Kohler Illumination                | Halogen lamp 6V/30W  | ●       |
| Filter                             | Blue, Yellow, Green and Ground Glass   | ●       |
| Polarization Attachment            |  | ●       |
| Photo Attachment                   |  | ○       |
| Video Adapter                      | Video adapter with C mount   | ○       |

Note: ● Standard Outfit, ○ Optional



### 2006B2 Inverted Metallurgical Microscope

- 45mm DIN Achromatic Objective: 10X, 100X(S, Oil)
- Metallurgical Plan-scope Achromatic Objective: 40X(S)
- Wide Field Plane-Scope Eyepiece: WF10X, WF12.5X(optional):
- Wide Field Plane-Scope Eyepiece with 0.1mm Cross Micrometer: WF10X
- Micro-ruler: 0.01mm/scale
- Total Magnification: 100X-1250X
- Articulated Free Binocular Head, Interpupillary Distance: 55-75mm, 45° Inclined
- Double Layer Mechanical Stage (200X180mm) with Two Plates (Ø10 and Ø20mm);
- Moving Range X-Y: 70X50mm
- Coaxial Coarse and Fine Focusing Adjustable Mechanism with Rack and Pinion, with Tension Adjustment and Stage Height Limited Knob;
- Focusing Range: 25mm; Precision: 0.002mm
- Built-in Adjustable Brightness Halogen Lamp 6V/20W and Kohler Illumination System with Blue, Green, Yellow and Ground Glass Filters



YJM-800RF/TRF



YJM-820RF/TRF

### YJM-800/820 Series Metallurgical Microscope

**Features:**

- Laboratory metallurgical microscope, including bright field, dark field and polarization observation system.
- Powerful transmitted and reflected system with Kohler illumination.
- Ideal instrument for industry inspection and science research.

| Model                              |  | YJM-800RF | YJM-800TRF | YJM-820RF | YJM-820TRF |
|------------------------------------|--|-----------|------------|-----------|------------|
| Optical System                     | Infinite optical system  | ●         | ●          | ●         | ●          |
| Eyepiece                           | Extral wide field eyepiece EW10×/22  | ●         | ●          | ●         | ●          |
| Infinite plan Achromatic Objective | 5×/0.12/ / - (BF)  | ●         | ●          |           |            |
|                                    | 10×/0.25/ / - (BF/DF)  | ●         | ●          | ●         | ●          |
|                                    | 20×/0.4/ / 0 (BF/DF)   | ●         | ●          | ●         | ●          |
|                                    | 50×/0.75/ / 0 (BF)   | ●         | ●          |           |            |
|                                    | 100×/0.8/ / 0 (BF)   | ●         | ●          |           |            |
|                                    | 40×/0.65/ / 0.17   |           | ●          |           | ●          |
|                                    | 100×/1.25/ / 0.17  |           | ●          |           | ●          |
|                                    | 5×/0.12/ / - (BF/DF)   | ○         | ○          | ●         | ●          |
|                                    | 40×/0.6/ / 0 (BF/DF)   | ○         | ○          | ○         | ○          |
|                                    | 50×/0.75/ / 0 (BF/DF)  | ○         | ○          | ●         | ●          |
| 100×/0.8/ / 0 (BF/DF)              | ○  | ○         | ●          | ●         |            |
| DIC                                | 20×, 100×  |           |            | ○         | ○          |
| Maximum Sample Height              | 30mm   |           | ●          |           | ●          |
|                                    | 50mm   | ●         |            | ●         |            |
| Viewing Head                       | Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm | ●         | ●          | ●         | ●          |
| Incident light                     | 24V/100W Halogen light, lightness adjustable   | ●         | ●          | ●         | ●          |
|                                    | Kohler illumination and aspherical condenser   | ●         | ●          | ●         | ●          |
|                                    | Polarizer and analyzer   | ○         | ○          | ○         | ○          |
|                                    | An integrate device for polarizer and analyzer   | ○         | ○          | ○         | ○          |
|                                    | Blue,Green,Yellow Filters and Ground Glass   | ●         | ●          | ●         | ●          |
| Transmitted light                  | Swing-out condenser NA0.9/ 0.25  |           | ●          |           | ●          |
|                                    | 24V/ 100W Halogen light and aspherical condenser                                       |           | ●          |           | ●          |
|                                    | Blue filter  |           | ●          |           | ●          |
| Filter                             | ND25、ND6   | ○         | ○          | ○         | ○          |
| Focusing                           | Coaxial coarse and fine adjustment, fine division 1um                                  | ●         | ●          | ●         | ●          |
| Nosepiece                          | Backward quintuple nosepiece   | ●         | ●          | ●         | ●          |
| Stage                              | Non-porous double layer mechanical stage 186X138mm/74mmX50mm                           | ●         |            | ●         |            |
|                                    | Double layer mechanical stage 186×138mm/74mm×50mm                                      |           | ●          |           | ●          |
|                                    | Glass specimen preparation plate   | ○         | ○          | ○         | ○          |
|                                    | Specimen preparation plate   |           | ●          |           | ●          |
|                                    | Slide glass  |           | ●          |           | ●          |
| Specimen Presser                   |  | ○         | ○          | ○         | ○          |
| Photo Attachment                   |  | ○         | ○          | ○         | ○          |
| Video Attachment                   | C Mount 1×, 0.5×   | ○         | ○          | ○         | ○          |

Note: ● Standard Outfit, ○ Optional



### USB Digital Microscope

Focus Range: Manual focus from 10mm to 500mm  
 Frame Rate: Max 30f/s under 600 Lux Brightness  
 Video format: AVI  
 Photo format: JPEG or BMP  
 Light source: 8 LED (adjustable by control wheel)  
 PC interface: USB2.0  
 Power source: 5V DC from USB port

#### Art No: MIX01

Image sensor: 1.3 Mega Pixels  
 Still capture resolution: 1600x1200 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Video capture resolution: 1600x1200 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Magnification Ratio: 20x and 200x

#### Art No: MIX02

Image sensor: 2 Mega Pixels (interpolated to 5M)  
 Still capture resolution: 2560x2048 (5M), 2000x1600, 1600x1280 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Video capture resolution: 2560x2048 (5M), 2000x1600, 1600x1280 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Magnification Ratio: 20x and 200x

#### Art No: MIX04

Image sensor: 1.3 Mega Pixels (interpolated to 2M)  
 Still capture resolution: 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Video capture resolution: 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120  
 Magnification Ratio: 20x and 400x

#### Electronic Eyepiece

##### Art No: ACM35

0.35MP Electronic Eyepiece for Microscope  
 Image Sensor: CMOS  
 Valid Pixel: 620 X 580  
 Output Interface: Video(RCA)

##### Art No: ACM10

0.10MP Electronic Eyepiece for Microscope  
 Image Sensor: CMOS  
 Valid Pixel: 352 X 288  
 Output Interface: USB



#### MDC2000 Multi-Purpose LCD Microscope Camera with Relay Lens

1600\*1200 active pixels  
 3.6 inch TFT LCD screen  
 Built-in relay lens  
 Software CD for USB mode  
 SD card slot, TV port, USB port  
 Capture mode:picture, video  
 Max. picture size:12MP  
 Device size:100\*110\*105mm  
 CE, FCC, RoHS approved



#### MEM1300 Electronic Eyepiece

1.30MP Electronic Eyepiece for Microscope  
 Image Sensor: 1/3" 1.3MP CMOS  
 Valid Pixel: 1280X1024  
 USB Port: USB2.0  
 O/P Compatibility: Win7/10, Vista



#### MVV5000 Electronic Eyepiece

5.0MP Electronic Eyepiece for Microscope  
 Image Sensor: 1/2.5" 5.0MP CMOS  
 Valid Pixel: 2592 X 1944  
 USB Port: USB2.0  
 O/P Compatibility: Win7/10, Vista



#### MVV3000 Electronic Eyepiece

3.0MP Electronic Eyepiece for Microscope  
 Image Sensor: 1/2" 3.0MP CMOS  
 Valid Pixel: 2048 X 1536  
 USB Port: USB2.0  
 O/P Compatibility: Win7/10, Vista



**MSR300**  
Electronic Eyepiece

0.30MP Electronic Eyepiece for Microscope  
Image Sensor: 1/4" 0.30MP CMOS  
Valid Pixel: 640 X 480  
USB Port: USB2.0  
O/P Compatibility: Win7/10, Vista

**UM038**  
Portable LCD Video Microscope

- Specifications:**
- Image Sensor: 5 Mega Pixels (true resolution)
  - LCD Panel: 3.5 inches
  - Still Capture Resolution: 12M, 9M, 5M, 3M, 1.3M, VGA
  - Video Capture Resolution: 12M, 9M, 5M, 3M, 1.3M, VGA
  - Focus Range: Manual focus from 10mm to 50mm
  - Frame Rate: Max 30f/s under 600 Lus Brightness
  - Magnification Ratio: Up to 1000x
  - TV Output: Available (to any monitor with TV in)
  - Card Slot: Support Micro SD Card slot up to 32GB SDHC
  - Light Source: 8 LED (adjustable by control wheel)
  - Battery: Rechargeable lithium battery (recharged by adaptor or USB)
  - Measurement: By software (Portable Capture with OSD language: English, German, Spanish, French, Russian)
  - Bundle Software: Portable Capture with measurement
  - Product Size: L149 x W104 x H227 mm
  - Weight: 1100g
  - Certificates: With CE, FCC approval, RoHS compliance



**Electronic Eyepiece TP Series**

- Art No.: TP5100 5.1M Pixels
- Art No.: TP3000 3.0M Pixels
- Art No.: TP2000 2.0M Pixels
- Art No.: TP1300 1.3M Pixels
- Art No.: TP0350 0.35M Pixels

- Microscope eyepiece camera with 23.2 diameter and compact size;
- Easy to extend to C or CS- Mount camera with high quality lens(optional);
- High-quality camera with Aptina CMOS sensor;
- Auto white balance and auto-exposure; Brightness, contrast, chroma, and saturation can be adjusted;
- High-speed USB2.0 interface and high frame rate video display keep the screen smooth without interruption;
- With advanced video & image processing application;



**Electronic Eyepiece TPP Series**

- Art No.: TPP14000 14.0M Pixels
- Art No.: TPP10000 10.0M Pixels
- Art No.: TPP9000 9.0M Pixels
- Art No.: TPP8000 8.0M Pixels
- Art No.: TPP5100 5.1M Pixels
- Art No.: TPP3100 3.1M Pixels
- Art No.: TPP2000 2.0M Pixels
- Art No.: TPP1300 1.3M Pixels
- Art No.: TPP0350 0.35M Pixels

- Standard C-Mount camera with Aptina CMOS sensor;
- With hardware resolution among 0.35M to 14M;
- Integrated zinc aluminum alloy housing;
- USB2.0 interface ensuring high speed data transmission;
- Ultra-Fine color engine with perfect color reproduction capability;
- With advanced video & image processing application ToupView;
- Providing Windows/Linux/OSX multiple platform SDK;



**Art No: DCM400R95**

- Sensor Type: The Back-illuminated sCMOS
- Sensor Size: 2"
- Sensor Model: G400 BSI
- Color/Monochrome: Monochrome
- Image Resolution: 2048x2048
- Pixel Size: 11µm x 11µm
- Quantum Efficiency: 95%@580nm
- Readout Noise: <4.5e-
- Full Well Capacity: 90,000e-
- Dynamic Range: 86dB
- Shutter Type: Rolling Shutter
- Exposure Mode: Manual
- Exposure Time: 0.02ms-10s
- Scan Mode: Progressive
- Bit Depth: 16bit
- Cooling: Peltier Class II(-10°C)
- Parameter Settings: White Balance, Gain, Noise Reduction, Gamma, Exposure Time, WDR, etc
- Frame Rate: 24fps (2048x2048)
- Data Transfer: USB3.0
- Data Cable: 1.8 meters USB3.0 cable
- PC Software: Mosaic LabVIEW/Matlab/Micromanager
- Compatible System: Window/Linux/Mac
- Optical Interface: M42-T mount/C mount
- Data Interface: USB3.0/5Gb/s
- Power Interface: 12V/8A power supply
- Operating Temperature: 0-60°C
- Operating Humidity: 10%-85%



**Art No: DCM-500R**

- Resolution: 5MP
- Image sensor: Sony ICX 282AQ
- CCD Scan Mode: Interline scanning
- Shutter: Electronic shutter
- CCD size: 2/3"
- Pixel size: 3.4µm x 3.4µm
- G sensitivity: 280mV
- Resolution: 2580H x 1944V
- Filter: Color
- Optical port: standard C-mount
- Frame speed: 3fps(2568x1912) 12fps(1280x952) 15fps(636x472)
- Low-speed readout: Yes
- Bit Depth: 12bit
- Exposure control: Auto/Manual
- Exposure time: 1ms-20min
- Angle light control: Yes
- White balance: Auto/Manual
- Parameter Controlling: Image size, Bright, Gain, Exposure
- Data Interface: USB 2.0/480Mb/s
- USB Cable: 1.8 meter
- Operational Temperature: 0-60°C
- Humidity: 45-85%
- Storage temperature: -20-70°C
- Cooling temperature: Peltier class I(-30°C from ambient)
- Package list: Camera(with C-mount), 1.8m USB Cable, Power transformer, CD(includes measurement software, manual, driver and SDK)



Microscope Adapter Adjustable



Microscope Adapter Fixed

- With 0.37X, 0.50X, 0.75X Magnification
- 23.2 and 30.75mm Tube Size

| Art No.                              | Field Size(mm) | Compatible Sensor |
|--------------------------------------|----------------|-------------------|
| <b>Adjustable Microscope Adapter</b> |                |                   |
| MAA037                               | 18X0.37=6.7    | 1/4"~1/3"         |
| MAA050                               | 18X0.50=9      | 1/2"~2/3"         |
| MAA075                               | 18X0.75=12     | 1/1.8"~1"         |
| <b>Fixed Microscope Adapter</b>      |                |                   |
| MAF037                               | 18X0.37=6.7    | 1/4"~1/3"         |
| MAF050                               | 18X0.50=9      | 1/2"~2/3"         |
| MAA075                               | 18X0.75=12     | 1/1.8"~1"         |





**Microscope Objectives**  
Art No.: MIC001

Set of 4pcs, 4x,10x,40x and 100x  
Conjugate Distance 195mm



**Microscope Objectives**  
Art No.: MIC002

Set of 4pcs, 4x,10x,40x and 100x  
Conjugate Distance 195mm



**Microscope Objectives**  
Art No.: MIC003

Set of 4pcs, 4x,10x,40x and 100x  
Conjugate Distance 195mm



**Microscope Objectives**  
Art No.: MIC004

Set of 4pcs, 4x,10x,40x and 100x  
Conjugate Distance 185mm

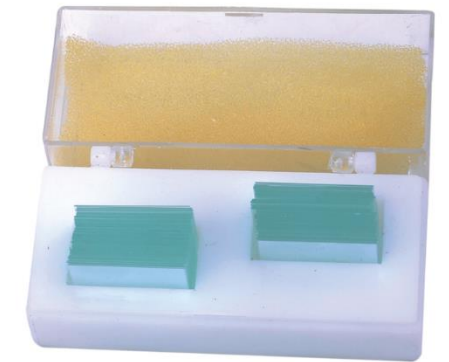
**Wooden Slide Box**

- 1) WSB100, Wooden Slide Box, 100 Slide Capacity
- 2) WSB050, Wooden Slide Box, 50 Slide Capacity
- 3) WSB025, Wooden Slide Box, 25 Slide Capacity
- 4) WSB015, Wooden Slide Box, 15 Slide Capacity



**Microscope Slide 1" x 3"**

- 1) MS7101, Plain Slide,Ground Edges
- 2) MS7102, Plain Slide,Unground Edges
- 3) MS7103, Single Concave Slide,Ground Edges
- 4) MS7104, Double Concave Slide,Ground Edges
- 5) MS7105, Single Frosted End on One Side,Ground Edges
- 6) MS7106, Frosted Both Ends on One Side,Ground Edges
- 7) MS7107, Double Frosted Sides at One End,Ground Edges
- 8) MS7108, Frosted Both Ends on Both Sides,Ground Edges



**Microscope Cover Slips, NR..1.0**

- 1) MCS18x18OZ, Glass Cover Slips, 18x18mm,1 oz
- 2) MCS22x22OZ, Glass Cover Slips, 22x22mm,1 oz
- 3) MCS18x18, Glass Cover Slips, 18x18mm, pk/100
- 4) MCS20x20, Glass Cover Slips, 20x20mm, pk/100
- 5) MCS22x22, Glass Cover Slips, 22x22mm, pk/100
- 6) MCS24x24, Glass Cover Slips, 24x24mm, pk/100
- 7) MCS22x32, Glass Cover Slips, 22x32mm, pk/100
- 8) MCS24x32, Glass Cover Slips, 24x32mm, pk/100
- 9) MCS22x40, Glass Cover Slips, 22x40mm, pk/100
- 10) MCS24x40, Glass Cover Slips, 24x40mm, pk/100
- 11) MCS24x50, Glass Cover Slips, 24x50mm, pk/100
- 12) MCS24x60, Glass Cover Slips, 24x60mm, pk/100

|       |   |      |  |      |                                      |
|-------|---|------|--|------|--------------------------------------|
| 4200  | Plant root tip,L.S.(corn)                 | 4243 | Winter jasmine Leaf W.M                      | 4326 | Home mosquito female mouth parts W.M |
| 4201  | Wheat root tip L.S                        | 4251 | Simple squamous epithelium W.M               | 4328 | Locust mouth parts W.M               |
| 4202  | Young root tip C.S(broad bean)            | 4252 | Stratified squamous epithelium Sec           | 4330 | Hydra budding, W.M                   |
| 4203  | Cabbage L.S(Hydrilla Verticillata)        | 4253 | Human hair follicle Sec                      | 4331 | Letter"e", W.M                       |
| 4205  | Pumpkin stem L.S                          | 4254 | Human sweat glands Sec                       | 4332 | Epidermal cell of onion W.M          |
| 4206  | Monocotyledon stem C.S                    | 4255 | Dense connective tissue(Tendon L.S)          | 4333 | Spirogyra W.M                        |
| 4207  | Dicotyledon stem C.S(Sunflower)           | 4256 | Laxity connective tissue                     | 4334 | Mouth epithelium W.M                 |
| 4208  | Woody dicotyledon stem C.S                | 4257 | Human blood smear                            | 4335 | Ascarid egg W.M                      |
| S4208 | Privet leaf C.S                           | 4258 | Skeletal muscle L.S & C.S                    | 4336 | Rhizopus nigricans W.M               |
| 4210  | Broad bean leaf epidermis W.M             | 4259 | Smooth muscle separated W.M                  | 4337 | Normal chromosome W.M                |
| 4211  | Penicillium W.M                           | 4260 | Cardiac muscle L.S                           | 4338 | Locust spermary,showing meiosis W.M  |
| 4212  | Actinomyces Sec                           | 4261 | Motor neuron W.M                             |      |                                      |
| 4213  | Chlamydomonas W.M                         | 4262 | Spinal cord C.S                              |      |                                      |
| 4214  | Bacteria three types Smear                | 4263 | Motor nerve ending W.M                       |      |                                      |
| 4215  | Yeasts W.M                                | 4264 | Stomach wall Sec                             |      |                                      |
| 4217  | Hydra L.S                                 | 4265 | Kidney L.S                                   |      |                                      |
| 4218  | Earthworm C.S                             | 4266 | Artery & vein vascular C.S                   |      |                                      |
| 4219  | Onion root tip mitosis Sec                | 4267 | Small intestine Sec                          |      |                                      |
| 4220  | Animal mitosis Sec(Ascarid egg)           | 4268 | Ciliation epithelium Sec                     |      |                                      |
| 4221  | Frog cleavage stage,Sec.                  | 4269 | Lymph node Sec                               |      |                                      |
| 4222  | Frog blastula stage,Sec.                  | 4270 | Lung vascular injection Sec                  |      |                                      |
| 4223  | Frog gastrula late stage,Sec.             | 4271 | Kidney vascular injection Sec                |      |                                      |
| 4224  | Drosophila salivary gland chromosomes W.M | 4272 | Spermary Sec                                 |      |                                      |
| 4225  | Pine leaf C.S                             | 4301 | Ovary Sec                                    |      |                                      |
| 4226  | Plasmodesma,Sec.                          | 4302 | Sperm smear                                  |      |                                      |
| 4227  | Spirogyra conjugation W.M                 | 4303 | Volvox W.M                                   |      |                                      |
| 4228  | Frog egg one cell,Sec.                    | 4304 | Aspergillus W.M                              |      |                                      |
| 4229  | Frog egg two cell,Sec.                    | 4306 | Mushroom Sec                                 |      |                                      |
| 4230  | Frog early gastrula,Sec.                  | 4307 | Corn seed L.S                                |      |                                      |
| 4231  | Lichens,Sec.                              | 4312 | Paramecium conjugation generation W.M        |      |                                      |
| 4232  | Moss archegonial L.S                      | 4313 | Paramecium fission generation W.M            |      |                                      |
| 4233  | Moss antheridium L.S                      | 4314 | Taenia solium cysticerus W.M                 |      |                                      |
| 4234  | Moss protonema W.M                        | 4315 | Schistosoma W.M.of male and female in copula |      |                                      |
| 4235  | Fern leaf Sec                             | 4316 | Tapeworm mature proglottid W.M               |      |                                      |
| 4236  | Fern prothallium W.M                      | 4320 | Schistosoma male W.M                         |      |                                      |
| 4237  | Fern young sporophyte W.M                 | 4322 | Schistosoma female W.M                       |      |                                      |
| 4238  | Pollen germination W.M                    | 4323 | Male & female Ascarid C.S                    |      |                                      |
| 4239  | Lily ovary Sec.                           | 4324 | Honey bee third pair of legs W.M             |      |                                      |
| 4240  | Lily anther Sec.                          | 4234 | Honey bee mouth parts W.M                    |      |                                      |
| 4241  | Herba Capsellae young embryo Sec          | 4325 | Housefly mouth parts W.M                     |      |                                      |
| 4242  | Herba Capsellae mature embryo Sec         |      | Butterfly mouth parts W.M                    |      |                                      |

**Prepared Microscope Slide**

