

National Award for
Outstanding Entrepreneurship - 2010



National Award for
Quality Products in Instrumentation - 2002

Vaiseshika[®]
Where Quality and Standards Meet

BIOLOGICAL MICROSCOPES SERIES STANDARD



BL 7007A



BL 7007B



BL 7007C/D

'Vaiseshika' Biological Microscopes Series **STANDARD** are in all aluminium pressure diecasting body. These microscopes have the coaxial coarse and fine focusing system with three planetary gears assembly and slide protection lock. Set of four objective lenses with quadruple nosepiece, and sliding /adjustable head makes it a good entry level microscope. A condenser concentrates and focuses light when using high-power objective lenses. Since these lenses tend to have very small apertures, a condenser combined with an iris diaphragm provides increased illumination and resolution. You can easily adjust brightness, contrast, depth of field, and evenness of illumination on your specimen.

Model	BL 7007A	BL 7007B	BL 7007C	BL 7007D
Specification				
Magnification	40X to 1000X with standard eyepieces & objectives			
Standard Eyepieces	WF10X pair/Φ18-22mm			
Standard Objectives	4X, 10X, 40X & 100X (Oil)			
Observation Head	Trinocular, sliding 360° rotatable and 45° inclined	Binocular, sliding 360° rotatable and 45° inclined		Binocular, sidetop 360° rotatable and 45° inclined
Focusing	Coaxial focusing system, with three planetary gears assembly			
	with slide protection lock	-----		with slide protection lock
Nosepiece	Quadruple ball bearing			Reverse type Quadruple ball bearing
Mechanical Stage	Single layer with coaxial X-Y movement	Double layer with coaxial X-Y movement		
Illuminator	6V/20W Halogen, 220V, 50 Hz AC (LED illumination system optional)			
Condenser	Bright field sub stage having N.A 1.2			
Frame	All aluminium pressure diecasted body			
Paint	P.U. coating			

All above models are available in Monocular, Binocular and Trinocular with Anti Fungus Coated Prisms

An ISO 9001 : 2008 & ISO 17025 : 2008 Accredited Co.

BIOLOGICAL MICROSCOPES SERIES PRECISION



BL 7007E



BL 7007F

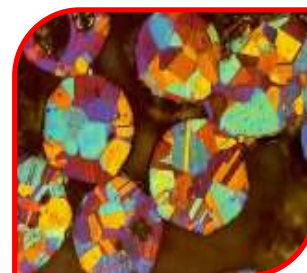
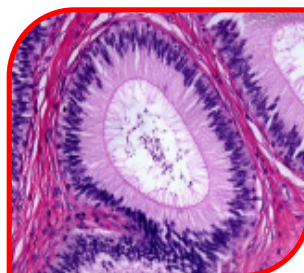
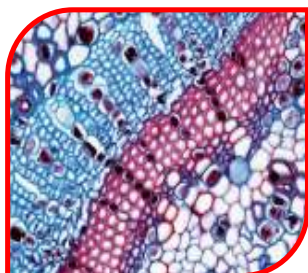


BL 7007G

'Vaiseshika' Biological Microscopes Series PRECISION have been designed for research quality work in the field of medicine, agriculture and industry. This series is equipped with excellent **Plan, Infinity** achromatic objectives and wide field eyepieces. The shape of the unit is concise and fluent. Ideal ergonomic design is adopted, such as low-lying focusing knobs, backward nosepiece and integrated handle. It makes the operation of the instrument easier having wider space. This is especially useful while moving the instrument safely. They are the ideal microscopes in medical treatment, teaching demonstration and scientific research.

BIOLOGICAL MICROSCOPES SERIES PRECISION

Model	BL 7007E		BL 7007F	BL 7007G
Specification				
Magnification	40X to 1000X with standard eyepieces & objectives and 40X to 1600X with optional eyepieces & objectives			
Standard Eyepiece	WF10X/Φ20-22 mm			
Optional Eyepiece	Micrometer 10X/Φ22 mm with L.C =0.1 mm & WF 16X			
Standard Objectives	Infinity Plan Achromatic : PL 4X/0.10, 10X/0.25, 40X/0.65(spring) & 100X/1.25 (spring, oil)	Plan Achromatic : PL 4X/0.10, 10X/0.25, 40X/0.65(spring) & 100X/1.25 (spring, oil)	Infinity Plan Achromatic:PL 4X/0.10, 10X/0.25, 40X/0.65(spring) & 100X/1.25 (spring, oil)	
Optional Objectives	Infinity Plan Achromatic Objective 20X, 60X	Plan Achromatic Objective 20X, 60X	Infinity Plan Achromatic Objective 20X, 60X	
Observation Head	Sidentop Trinocular, Inclined 30°, Interpupillary distance : 55mm to 75 mm, adjustable angle for eyepiece			
Light Distribution	50: 50%, between camera port & binocular eyepieces.			
Filters	Blue & Frosted glass	Blue & Frosted		
Optional Filters	Green & Yellow	----		
Focusing	Coaxial coarse/fine focus with tension adjustable and up stop, fine focusing : 2μm			
Nosepiece	Quadruple (Backward ball bearing inner locating)			
Polarizer & Analyzer	Available (Optional)	----		
Mechanical Stage	Double layer with coaxial X-Y movement, Size: 193mmx155mm Travel: 75mmx50mm	Double layer with coaxial X-Y movement, size: 210mmx140mm Travel: 75mmx50mm		
Illumination	6V/20W Halogen, 220V, 50 Hz AC With adjustable brightness		6V/30W Halogen, 220V, 50 Hz AC With adjustable brightness	
Condenser	Abbe condenser NA 1.25, Rack & pinion adjustable			
Collector	----	Collector for halogen lamp illumination and integrated field diaphragm		
Phase contrast unit (Optional)	Centering Telescope			
	Infinity Plan Achromatic 10X, 20X, 40X, 100X	Plan Achromatic 10X, 20X, 40X, 100X	Infinity Plan Achromatic 10X, 20X, 40X, 100X	
	Pullboard phase contrast condenser	Turnplate (I,II), Flashboard, Pullboard phase contrast condenser		



These photographs have been captured on our Biological Microscopes

BIOLOGICAL MICROSCOPES SERIES DIGITAL

Model	BL 7007H	BL 7007I
Specification		
Total Magnification	25X~2380X	15X~2150X
Typical Magnification	Digital 4x	Optical 10X~1600X
Standard Eyepieces	-----	WF10X
Biological Objectives	4X, 10X, 40X & 100X	
Stereo Objectives	1X & 2X	
Standard Colour Filters	Black/White/Red/Blue/Green	
Focusing	Coaxial coarse/fine focus System	
Measurement	Through Crosshair	
Positioning	Crosshair/Arrow pointer	
Nosepiece	Quadruple (Frontward Ball bearing inner locating)	
Mechanical Stage	Double layer & three axis moveable	
LED Illumination	Adjustable Transmitted/Reflected Light, 220V/50Hz	
Condenser	Sliding-in condenser NA 1.25	
LCD Screen	9" HD	
LCD Resolution	1280 x 800	
Image Resolution	12M	
Video Resolution	1080P/30fps	
Photo/Video Playback	Yes	-----
Data Output	Down HDMI/VGA/USB	
Storage	SD Card	
External Interface	PC/TV/Monitor/Projector	PC/TV/Projector
Input Voltage	12V-19V	



BL 7007H



BL 7007I

Intergration of Biological & Stereo Function



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