XSZ-139 BIOLOGICAL MICROSCOPE

CLINCAL SCIENCE BIOLOGY

XSZ-139 Microscope is a laboratory instrument of most modern design incorporating the latest in optical and mechanical advancements. Extra clarity and contrast is provided through our new high performance color corrected infinity optical system. XSZ-139 offers great performance features built-in as standard making it a clear choice for education and laboratory application.

Eyepiece: High eye point WF10x eyepiece with 20mm field of view. WF10X (FOV 22 mm) eyepiece is also available.

Head: Sidentopf Binocular or Trinocular Head, inclined at 30°, Rotatable 360°, Interpupillary distance: 55mm-75mm, Diopter adjustment is available.

Stand: Ergonomically designed with comfortable low position coaxial coarse and fine focusing controls and an adjustable tension control to maximize individual comfort and convenience. Built-in focus stop allows for rapid image focusing while protecting specimens and objectives. The stand is painted with scratch and chemical resistant epoxy paint.

Nosepiece: Quadruple, ball bearing nosepiece with positive click stops to ensure parcentration.

Objective: Infinite Optical System achromatic, semiplan or plan, parcenter 4x (N.A.0.10), 10x (N.A.0.20), 40x (N.A.0.65), 100x (N.A.1.25) oil immersion.

Stage: Professional double-plate mechanical stage (135mmX153mm) with vernier scales to provide accurate specimen location. Travel area 80mmX50mm, with a low position control.

Substage: Centerable N.A.1.25 Abbe condenser with iris diaphragm and filter holder, incorporates a high efficiency optical system with aspheric lens for optimum utilization of light resulting in bright and even illumination from low to high magnification objectives.

Focusing: Coaxial coarse and fine focus mechanism facilitates smooth, precise focusing.

Illumination: High-intensity variable 6 volt 20 watt halogen illuminator.

Anti Mold: Optical surfaces in the viewing head & objectives are protected with an anti-mold system to ensure proper performance in unusually hot and humid environments.

XSZ-139 Series Biological Microscope

	Description	B	BS	BP	T	TS	TP	
Viewing Head	Sidentopf Binocular Head (30°, Inclined)	O	O	O				
	Sidentopf Trinocular Head (30°, Inclined)				O	O	O	
Eyepiece	WF10X/20 Eyepiece	O	O		O	O		
	WF10X/22 Eyepiece			O			O	
	WF15X/15 Eyepiece							
Nosepiece	Inward Quadruple nosepiece	O	O	O	O	O	O	
	Inward Quintuple nosepiece							
Objectives (IOS System)	Achromatic 4X,10X,40X,100X	O			O			
	Semi-Plan 4X,10X,40X,100X		O			O		
	Plan Achromatic 4X,10X,40X,100X			O			O	
	Plan Achromatic 20X							
Stage	135X153mm Mechanical Stage Moving Range: 80X50mm	O	O	O	O	O	O	
Condenser	N.A.1.25 Abbe Condenser	O	O		O	O		
	Swing-out Achromat Condenser with numerical aperture of 1.25/0.2			O			O	
Focusing	Coaxial coarse and fine focusing controls	O	O	O	O	O	O	
Collector	Collector with Field Diaphragm	O	O	O	O	O	O	
Illumination	6V20W Halogen lamp	O	O	O	O	O	O	
	12V/30W Halogen lamp							
Filter	Blue filter	O	O	O	O	O	O	
	Yellow filter	O	O	O	O	O	O	
	Green filter	O	O	O	O	O	O	
	Filter without color							
Packing	Styrofoam box and carton	O	O	O	O	O	O	

Main Accessories

WF10X/20, WF10X/22, WF15X/15 eyepiece
Achromatic 4X, 10X, 40X,100X objective
Semi-Plan Achromatic 4X, 10X, 40X,100X objective
Plan Achromatic 4X, 10X, 20X, 40X, 100X objective
Video Adapter with C Mount
Digital Camera Adapter
Simple Polarization Set
Dark Field Condenser N.A.=0.9Dry, N.A.=1.25Oil
Turret Phase Contrast Kit
Infinite Plan-Achromatic Phase Contrast Objective PH10X, PH20X(S), PH40X(S), PH100X(S, Oil), Turret Annular Phase Contrast Condenser, Centering Telescope, Green Filter

Epi-Fluorescent attachment

The epi-fluorescent attachment can be flexibly equipped with XSZ-139 microscope to be an epi-fluorescent microscope. It is suited for fluorescent microscopy and widely used in venereal disease examination and immune less diagnosis.

Epi-Fluorescent Illumination: B (Blue), G (Green) Exciting Light Filter System O Ordinary Light System, 100 WHBO Ultra Hi-voltage Spherical Mercury Lamp