BS-7020 Inverted Fluorescent Biological Microscope

Introduction

BS-7020 inverted fluorescence microscope uses mercury lamp as the light source, objects which are radiated then fluoresce, and then the shape of an object and its location can be observed under the microscope. The Microscope is specifically designed for the observation of cell culture. Excellent high resolution objectives provide high quality fluorescent images. Infinite Optical System gives excellent Optical performance. This microscope can be your best assistant in laboratory research.

Feature

1. Perfect image with infinite optical system.
2. High resolution fluorescent objectives are optional for excellent fluorescent images.
3. Advanced and precision lamp housing reduces the light leak.
4. Reliable power supply with digital display and timer.
5. Innovative structure and sharp Image is perfect for viewing cell tissue.

Application

BS-7020 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research.

Specification

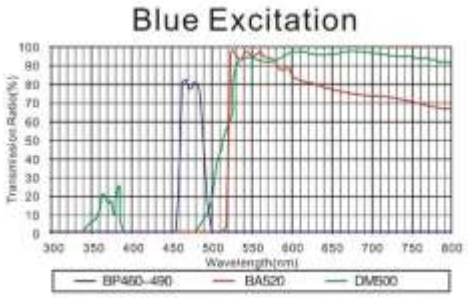
Item	Specification	BS-7020
Optical System	Infinite Optical System	●
Viewing Head	Seidentopf Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary Distance 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/ 20mm, Eyepiece Tube Diameter 30mm	●
	Wide Field Eyepiece WF15×/ 16mm	○

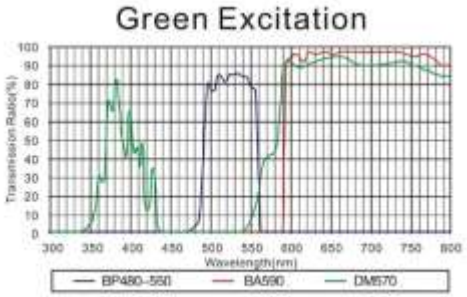
	Wide Field Eyepiece WF20×/ 12mm				○
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/0.1, W.D.= 22mm				●
	LWD(Long Working Distance) Infinite Plan Achromatic Phase Objective	10×/ 0.25, W.D.= 6mm			●
		20×/ 0.4, W.D.= 3.1mm			●
		40×/ 0.55, W.D.= 2.2mm			●
	High Level Phase Contrast Objective	10×/ 0.25, W.D.= 6mm			○
		20×/ 0.4, W.D.= 3.1mm			○
		40×/ 0.55, W.D.= 2.2mm			○
	Lamp House Adjustment Objective				○
Nosepiece	Backward Quintuple Nosepiece				●
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)				●
Telescope	Centering Telescope (Φ30mm)				●
Phase Annular	10×, 20×, 40× Phase Annular Plate(Center Adjustable)				●
Stage	Plain Stage 230×170mm				●
	Glass Insert Plate				●
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang 80mm×120mm				●
	Auxiliary Stages 70mm×180mm				●
	Terasaki Holder				●
	Petri Dish Holder Φ38mm				●
	Petri Dish Holder Φ54mm				●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm				●
Transmitted Illumination	Halogen Lamp 6V/30W, Brightness Adjustable				●
	LED lamp 5W, Brightness Adjustable				○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	BP460～490	DM500	BA520	●
	Green excitation	BP480～550	DM570	BA590	●
	Ultraviolet excitation	BP330～385	DM400	BA420	○
	Violet excitation	BP400～410	DM455	BA455	○
	Red Excitation	BP620~650	DM660	BA670-750	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				●
Protection barrier	Barrier to Resist the Ultraviolet Light				●
Power Supplier	Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display				●
Immersion Oil	Fluorescent Free Oil				●
Centering Target					●
Filter	Blue, Green and Ground Glass, Diameter 45mm				●
Accessories	Photo Adapter (Used to connect Nikon or Canon DSLR camera to the microscope)				○
	0.5× C-mount (Used to directly connect a C-mount digital camera to the microscope)				●
	Modulation Contrast				○
Package	2 cartons/set, 36*61*62cm, 18kg; 38*45*26cm, 6kg				●

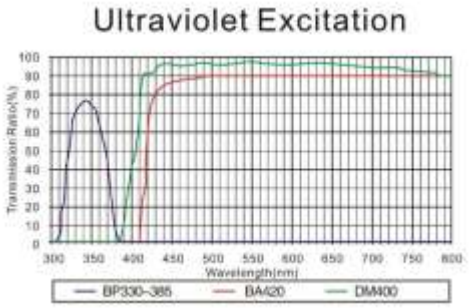
Note: ● Standard Outfit, ○ Optional

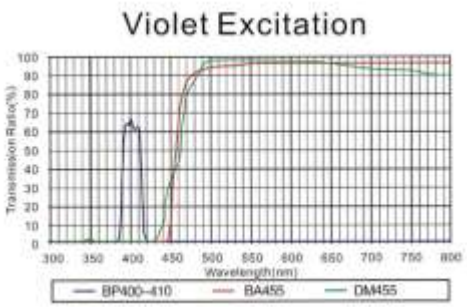
BS-7020 Inverted Fluorescent Attachments

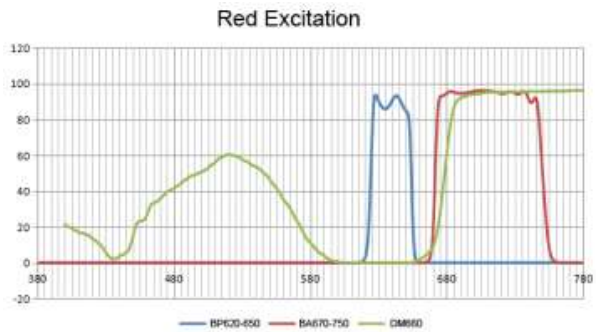
Characteristics of Mirror Units Wavelength











Sample Image