

## BS-7000B Inverted Fluorescent Biological Microscope



### Introduction

BS-7000B Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. Infinite Optical System gives excellent Optical performance. Excellent high resolution fluorescent objectives are optional to generate high quality fluorescent images. 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-7000B 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-7000B
Optical System	Infinite Optical System		●
Viewing Head	Seidentopf Trinocular Head Inclined at 30°, Interpupillary 48-75mm		●
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22		●
Nosepiece	Quintuple Nosepiece		●
Objective	LWD Infinite Plan	4×/0.1, W.D.= 17.3mm	●
	Objective	10×/0.25, W.D.= 10mm	○

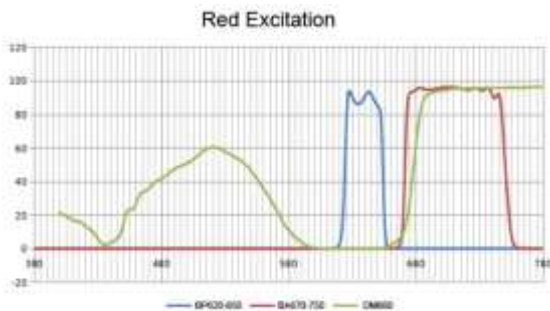
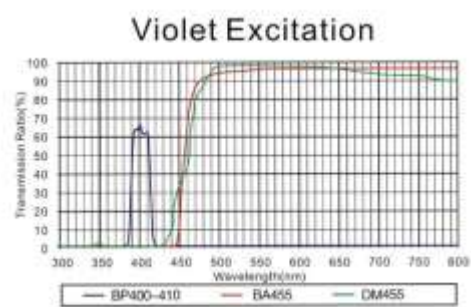
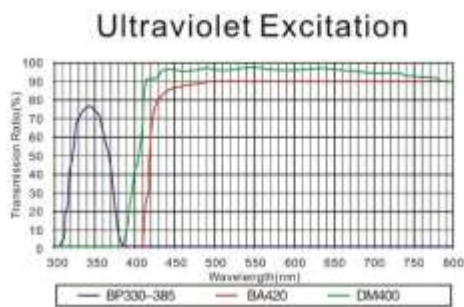
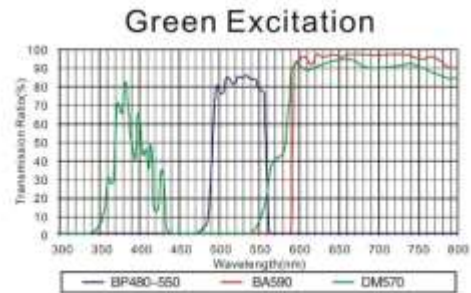
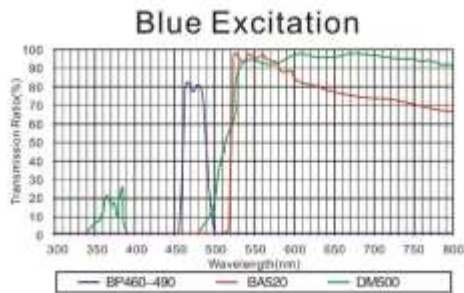
		20×/0.4, W.D.= 5.1mm	○		
		40×/0.6, W.D.= 2.1mm	●		
	Infinite Plan Phase Objective	PH 10×/0.25, W.D.= 10mm	●		
		PH 20×/0.4, W.D.= 5.1mm	●		
		PH 40×/0.6, W.D.= 2.1mm	○		
	Infinite Plan Fluorescent Objective	4×/0.13, W.D.= 16.3mm	○		
		10×/0.30, W.D.= 12.4mm	○		
		20×/0.5, W.D.= 1.5mm	○		
40×/0.6, W.D.= 2.2mm		○			
Condenser	ELWD Condenser NA 0.3, LWD 72mm (Without condenser 150mm)		●		
Telescope	Centering Telescope(Φ30)		○		
Phase Annulus	10×-20×, 40× Phase Annulus Plate (Fixed)		●		
	10×-20×, 40× Phase Annulus Plate (Adjustable)		○		
Stage	Plain stage 160×250 mm		●		
	Glass Insert Plate		●		
	Attachable Mechanical Stage, X- Y Coaxial Control, Moving Range 120×78 mm		○		
	Auxiliary Stage 70×180mm		●		
	Terasaki Holder		○		
	Petri Dish Holder Φ35mm		○		
	Slide Glass Holder Φ54mm		○		
	Petri Dish Holder Φ90mm		○		
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range up 8mm, down 3mm		●		
Transmitted Illumination	6V/30W Halogen Lamp		●		
	3W LED lamp		○		
Filter	Blue, Green and Ground glass filters, Diameter 45mm		●		
Photo Attachment	Photo Adapter for Nikon and Canon DSLR cameras		○		
Video Adapter	Video Adapter 1× / 0.5× C-mount		○		
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue Excitation	BP460~490	DM500	BA520	●
	Blue Excitation (B1)	BP460~495	DM505	BA510-550	○
	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 Voltage interchangeable, Digital Display			●	
Immersion Oil	Fluorescent Free Oil			●	
Filter	Neutral ND25/ ND6 Filter			○	
Centering Target				○	

Note: ● Standard Outfit, ○ Optional

## BS-7000B Inverted Fluorescent Attachment



### Characteristics of Mirror Units Wavelength



## Sample Image

