

STALWART

Inverted Fluorescent Biological Microscope STM-7020



STM-7020

Introduction

STM-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.

Features

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

Specification

Item	Specification	STM-7020	
Optical System	Infinite Optical System	Standard	
Viewing Head	Seidentopf Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary Distance 48-75mm	Standard	
Eyepiece	Wide Field Eyepiece WF10×/ 20mm, Eyepiece Tube Diameter 30mm	Standard	
	Wide Field Eyepiece WF15×/ 16mm	Optional	
	Wide Field Eyepiece WF20×/ 12mm	Optional	
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/0.1, W.D.= 22mm	Standard	
	LWD(Long Working Distance) Infinite Plan Achromatic Phase Objective	10×/ 0.25, W.D.= 6mm	Standard
		20×/ 0.4, W.D.= 3.1mm	Standard
		40×/ 0.55, W.D.= 2.2mm	Standard
	High Level Phase Contrast Objective	10×/ 0.25, W.D.= 6mm	Optional
		20×/ 0.4, W.D.= 3.1mm	Optional
		40×/ 0.55, W.D.= 2.2mm	Optional
	Lamp House Adjustment Objective	Optional	
Nosepiece	Backward Quintuple Nosepiece	Standard	
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)	Standard	
Telescope	Centering Telescope (Φ30mm)	Standard	
Phase Annular	10×, 20×, 40× Phase Annular Plate(Center Adjustable)	Standard	
Stage	Plain Stage 230×170mm	Standard	
	Glass Insert Plate	Standard	
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang 80mm×120mm	Standard	

Specification

	Auxiliary Stages 70mm×180mm				Standard
	Terasaki Holder				Standard
	Petri Dish Holder Φ38mm				Standard
	Petri Dish Holder Φ54mm				Standard
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm				Standard
Transmitted	Halogen Lamp 6V/30W, Brightness Adjustable				Standard
Illumination	LED lamp 5W, Brightness Adjustable				Optional
Reflected Light		Excitation	Dichroic Mirror	Barrier Filter	
Source	Blue excitation	Bp460~490	Dm500	Ba520	Standard
	Green excitation	Bp480~550	Dm570	Ba590	Standard
	Ultraviolet excitation	Bp330~385	Dm400	Ba420	Optional
	Violet excitation	Bp400~410	Dm455	Ba455	Optional
	Red Excitation	Bp620~650	Dm660	BA670-750	Optional
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				Standard
Protection barrier	Barrier to Resist the Ultraviolet Light				Standard
Power Supplier	Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display				Standard
Immersion Oil	Fluorescent Free Oil				Standard
Centering Target					Standard
Filter	Blue, Green and Ground Glass, Diameter 45mm				Standard
Accessories	Photo Adapter (Used to connect Nikon or Canon DSLR camera to the microscope)				Optional
	0.5× C-mount (Used to directly connect a C-mount digital camera to the microscope)				Standard
	Modulation Contrast				Optional
Package	2 cartons/set, 36*61*62cm, 18kg; 38*45*26cm, 6kg				Standard

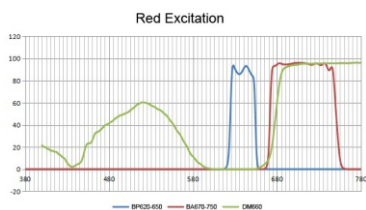
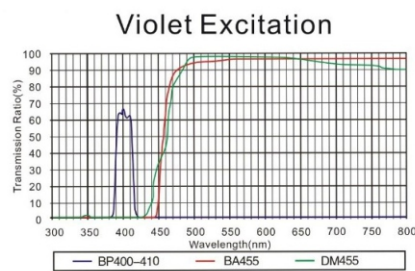
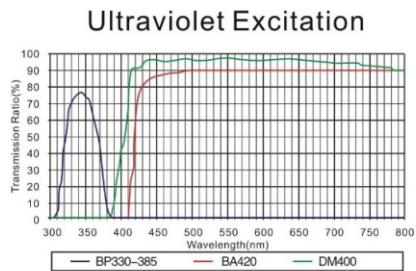
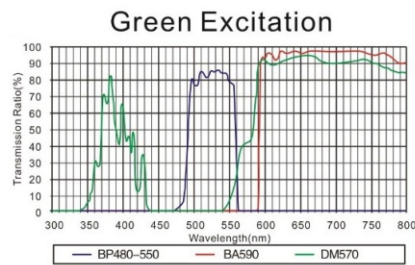
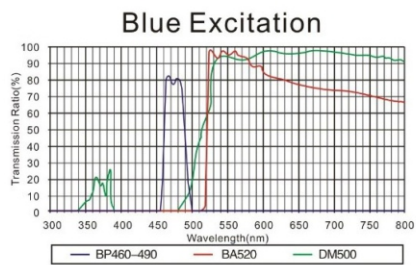
Application

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

STM-7020 Inverted Fluorescent Attachments



Characteristics of Mirror Units Wavelength



Sample Pictures

