

STALWART

Upright Fluorescent Biological Microscope STM-7000A



STM-7000A

Introduction

STM-7000A fluorescence microscope is a laboratory fluorescent microscope with perfect infinite optical system. The microscope uses mercury lamp as the light source, the fluorescent attachment has 6 positions for filter blocks, which allows easy change of filter blocks for various fluorochrome.

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.

Specification

Item	Specification	STM-7000A	
Optical System	Infinite Optical System	Standard	
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary Distance 48-75mm	Standard	
Eyepiece	Extra Wide Field Eyepiece EW10×/22mm, Eyepiece tube diameter 30mm	Standard	
Nosepiece	Backward Quintuple Nosepiece	Standard	
	Backward Sextuple Nosepiece	Optional	
Objective	Infinite Plan Achromatic Objective	2×/0.05, W.D.=18.3mm	Optional
		4×/0.10, W.D.=17.3mm	Standard
		10×/0.25, W.D.=10mm	Standard
		20×/0.40, W.D.=5.1mm	Optional
		40×/0.65(S), W.D.=0.54mm	Standard
		60×/0.8(S), W.D.=0.14mm	Optional
	Infinite Plan Fluorescent Objective	100×/1.25(S, Oil), W.D.=0.13mm	Standard
		4×/0.13, W.D.=16.3mm	Optional
		10×/0.30, W.D.=12.4mm	Optional
		20×/0.50, W.D.=1.5mm	Optional
		40×/0.75(S), W.D.=0.35mm	Optional
		100×/1.3(S, Oil), W.D.=0.13mm	Optional
Condenser	Swing Condenser NA 0.9/ 0.25	Standard	
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	Standard	
Stage	Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm	Standard	
Photo Adapter	Used to connect Nikon or Canon DLSR camera to the microscope	Optional	
Video Adapter	1× or 0.5× C-mount adapter	Optional	

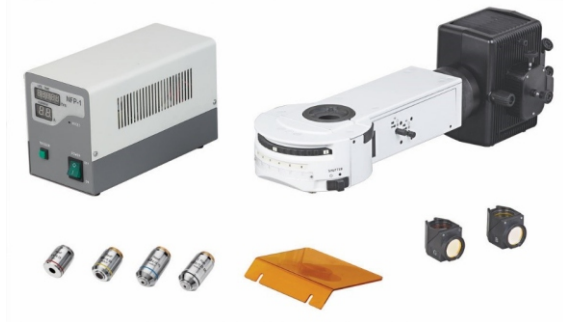
Specification

Transmitted Kohler Illumination	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 6V/30W, Brightness Adjustable				Standard
	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 24V/100W, Brightness Adjustable				Optional
	3W LED Illumination, Brightness Adjustable				Optional
	5W LED Illumination, Brightness Adjustable				Optional
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue Excitation	BP460~490	Dm500	Ba520	Standard
	Blue Excitation(B1)	BP460~495	Dm505	BA510-550	Optional
	Green Excitation	BP510~550	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 Voltage Interchangeable, Digital Display				Standard
Immersion Oil	Fluorescent Free Oil				Standard
Filter	Neutral ND25/ ND6 Filter				Optional
Centering Target					Optional

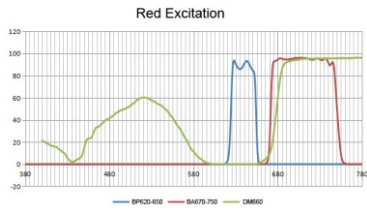
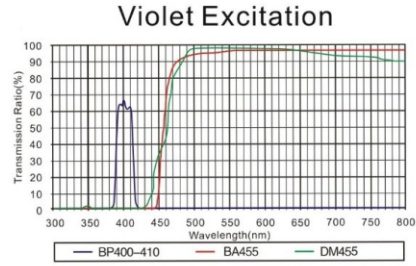
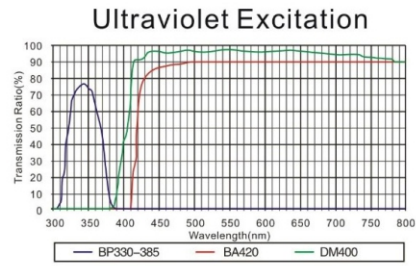
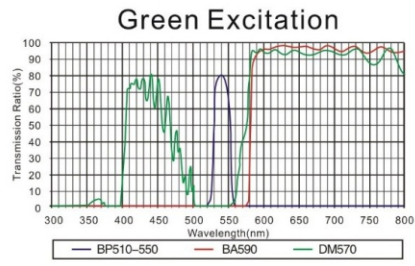
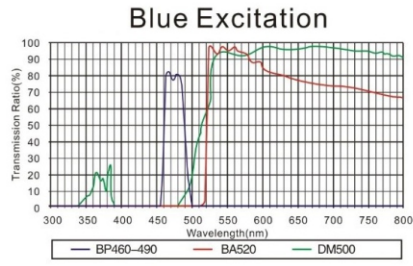
Application

STM-7000A Fluorescence microscope is used to study the aSTMorbing, transportation, chemicals distribution and positioning in cells. It is widely used in universities, hospitals and life science laSTM for disease examination, immune diagnosis and scientific research.

Epi-fluorescent Attachment



Characteristics of Mirror Units Wavelength



Sample Pictures

