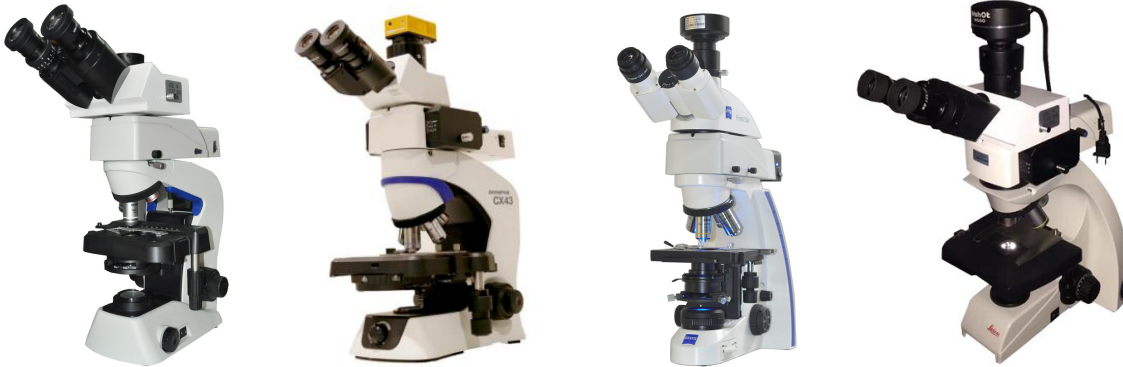


MF Series LED Fluorescence Illumination



MF series LED fluorescence illumination features with built-in color LEDs as light source. Providing friendly fluorescence upgrade solution for basic fluorescence microscope users. By the modular illumination you can easily upgrade a traditional infinity upright biological microscope to fluorescence functional. It is compatible with laboratory microscopes Olympus, Nikon, Leica, Zeiss and others.

Compatible with different brands microscope



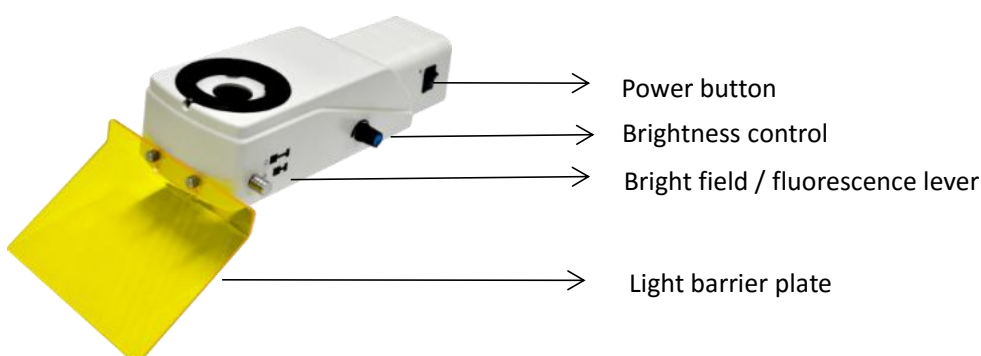
Features

Compact design all in one unit
 3W cold LED lamp for each filter group
 Continuously adjustable brightness with rotatable knob
 No need preheating or cooling, open to use
 Accurate lever control different color lighting
 One-stop operation of light source and filter, no need change light source
 No need external or added power supply, PSE labeled power adapter
 Safety, environment friendly and human friendly
 Coated precision-cast aluminium with vented design
 CE, FCC, EMC, EU, ISO certified

Applications:

Botany
 Clinical diagnose
 Immunofluorescence
 Tuberculosis sputum slide
 Skin and foot fungus
 Food microorganism
 Respiratory disease
 Sperm analysis
 FITC,GFP,DAPI stained slide

Single color mode



Two/Three colors mode





Precision cast
Screw lock
Solid



User friendly
Clear mark
Qualified lever



Power button
Signal lamp



Laser printing mark
Radian design
Protect hand
Elegant shape



Brightness control
Continuous
Well mark

Series	Items	LED lamps	Filter Groups	Compatible microscopes
One color	MF-B-LED	Blue	Blue	Olympus CX/BX Nikon Eclips/E100/E200/Ci-L Leica DM500/DM750/DM100 Zeiss PrimoStar Sunny EX31 Motic A310
	MF-RB-LED	Royal blue	Royal blue	
	MF-G-LED	Green	Green	
	MF-UV-LED	UV	UV	
Two colors	MF-BG-LED	Blue and Green	Blue and Green	
	MF-BU-LED	Blue and UV	Blue and UV	
Three colors	MF-BGU-LED	Blue, green and UV	Blue, green and UV	

Standard configuration						
Color	LED lamp		Filter wavelength			Recommend Application
	Color	Central wavelength	Excitation filter	Dichroic mirror	Emission filter	
Blue	Blue	475nm	460-490nm	>500nm	>510nm	GFP / FITC /EGFP/ Malaria diagnostic/ Alexa 488 / Cy2@ / Fluo-4 / FluorX@ / Fluoro-Jade
Royal blue	Royal blue	450nm	420-480nm	>500nm	>510nm	Tuberculosis Diagnostic
Green	Green	530nm	510-550nm	>570nm	>590nm	PI / EB / EH
UV	UV	365nm	330-380nm	>400nm	>420nm	DAPI / Hoechst 33342&33258 / AMCA/AMCA-X / Alexa 350

Optional Filters				
Color	Type	Filter wavelength		
		Excitation filter	Dichroic mirror	Emission filter
Blue	Bandpass	475/40nm	500nmLP	535/45nm
Green	Bandpass	535/45nm	560nmLP	595/60nm
Green	High transmittance	510-550nm	>570nm	>590nm
UV	Bandpass	350/50nm	400nmLP	460/50nm

* Application of TRITC/mCherry/TexasRed, recommend use high transmittance green filter