Fluorescent Microscope IMF-1240



Fluorescent Microscope IMF-1240 is ideal for education, pathology investigation, clinical and laboratory usage. Innovative LED as fluorescence illumination source, provide excellent image with easy and comfortable usage experience. 1W S-LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The binocular, and Trinocular viewing head has excellent Infinite E-Plan Achromatic Objective 4×, 10×, 40×, 100× (Oil) objectives and each eye tube has interpupillary adjustment. Designed with blue, green filters. Provide tremendous fluorescent image with high resolution fluorescent objectives including infinite E-Plan achromatic, infinite plan achromatic, infinite semi-plan achromatic, infinite plan fluorescent objective, and backward quadruple resolving nosepiece. Designed with 3W, 5 W LED fluorescents lamp along with fluorescent free oil. Equipped with excitation filter for incoming light and emitted filters for emitted light and dichroic mirror to reflect the excitation light to the sample and instantaneously transmit only the emitted light from the sample back to the detector.

Technical Specification:

Model	IMF-1240
Type	Fluorescent Microscope
Viewing Head	Trinocular Head, Inclined at 30°, I ID: 48-75mm
Optical System	Infinite
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm
Eyepiece	WF10X18mm
Nosepiece	Backward Quadruple (optional: Backward Quintuple)
Objective	Infinite Semi-plan Achromatic : 4X, 10X, 40X, 100X(opt: Infinite Plan Achromatic:: 4X,10X, 20X, 40X, 60X, 100X, Infinite Plan Fluorescent: 4X,10X, 20X, 40X, 100X)
Stage	Double Layers Mechanical Stage 140×140/ 75×50 mm
Light Source	3W S-LED(optional: Halogen Lamp 6V/20W)
Condenser	Sliding-in Centerable Condenser NA 1.25
Mirror	Yes
Filter	Yes
Optional Accessories	Field Diaphragm, Photo, Video adapters(for DSLR cameras), adapters(1X, 0.5X), Polarization set, Phase contrast kit, filters, mirror, Cable Winding Device
Fluorescent	3W LED Lamp(465-476nm),3W LED Lamp(525-530nm), Fluorescent Free Oil
Reflected Light Source	Blue : 460-490 excitation, 505 dichroic mirror, 515 barrier filter; Green : 510-550 excitation, 570 dichroic mirror, 590 barrier filter
Catalogue No.	4409520-4

Technical Data:

Model	IMF-1210	IMF-1220	IMF-1230	IMF-1240
Type	Fluorescent Microscope			
Viewing Head	Binocular Viewing Head, Inclined at 30°, 360° Rotatable, I ID: 48-75mm	Trinocular Viewing Head, at 30°, 360° Rotatable, ID: 48-75mm, Light Distribution: 20:80	Binocular Head, Inclined at 30°, ID:48-75mm	Trinocular Head, Inclined at 30°, I ID: 48-75mm
Fluorescent	5W LED Lamp		3W LED Lamp(465-476nm),3W LED Lamp(525-530nm), Fluorescent Free Oil	
Reflected Light Source	Blue : 420-490 excitation, 505 dichroic mirror, 520 barrier filter; Green : 500-550 excitation, 575 dichroic mirror, 590 barrier filter(optional: UV: 330-380 excitation, 400 dichroic mirror, 435 barrier filter and V:380-420 excitation,430 dichroic mirror, 460 barrier filter		Blue : 460-490 excitation, 505 dichroic mirror, 515 barrier filter; Green : 510-550 excitation, 570 dichroic mirror, 590 barrier filter	
Optical System	Infinite			
Focusing	Coaxial Coarse and Fine Focusing knobs, Travel Range: 26mm, Scale:2um		Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm	
Eyepiece	WF10X20 mm (OPTIONAL:WF16X13 mm)		WF10X18mm	
Nosepiece	Backward Quadruple (optional: Backward Quintuple)			
Objective	Infinite E-Plan Achromatic Objective 4X, 10X, 40X, 100X(Oil)(optional: Infinite Plan Achromatic Objective 4X, 10X, 20X, 40X (S), 60X (S), 100X (Oil) (S))		Infinite Semi-plan Achromatic Objective: 4X, 10X, 40X, 100X (optional: Infinite Plan Achromatic:: 4X,10X, 20X, 40X, 60X, 100X, Infinite Plan Fluorescent: 4X,10X, 20X, 40X, 100X)	
Stage	Stage Size: 145×140mm, Cross Travel 76×52mm, Two Slide Holder (optional:Rackless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder)		Double Layers Mechanical Stage 140×140/ 75×50 mm	
Light Source	3W-LED Illumination(optional: 6V/30W Halogen Lamp)		3W S-LED(optional: Halogen Lamp 6V/20W)	
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm		Sliding-in Centerable Condenser NA 1.25	
Mirror	Yes			
Filter	Yes			
Certification				
Optional Accessories	Field Diaphragm, Photo adapters(for DSLR cameras), Video adapters(1X, 0.5X), Polarization set, Phase contrast kit, filters, mirror, Cable Winding Device			
Packing Dimension	420x280x450 mm			
Packing Weight	12 kg			
Electrical Requirement				
Catalogue No.	4409505-4	4409510-4	4409515-4	4409520-4



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