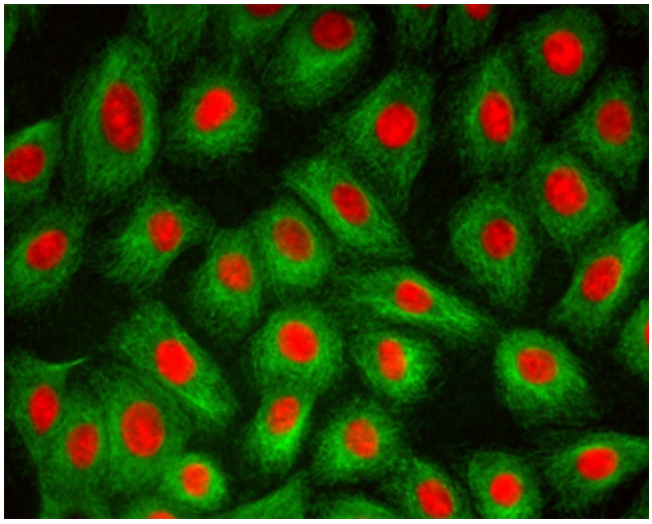
Fluorescent Microscope IMF-1110(240V)

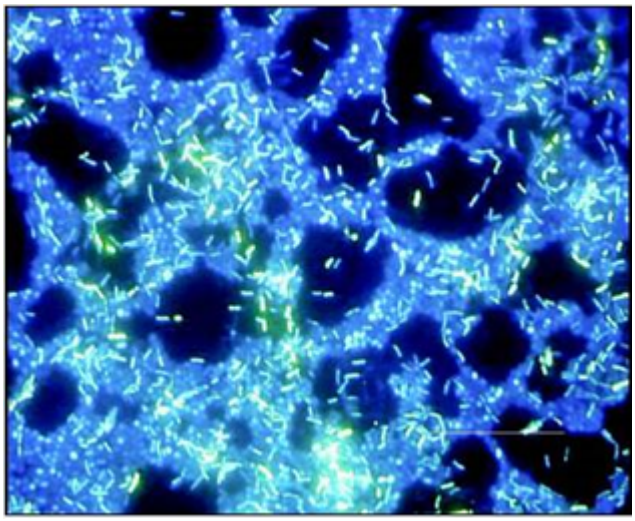


Fluorescent Microscope IMF-1110 is ideal for biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, clinics, hospitals, laboratories, institutes, academic laboratories, colleges and universities.

The 5W 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 Plan Achromatic 4×/0.10 of length 12.10mm, 10×/0.25 of length 4.64 mm,20×/0.40(S) of length 2.41mm, 40×/0.65 (S) of 0.65 mm,100×/1.25(S, Oil) of length 0.12 mm objectives and each eye tube has interpupillary adjustment. Designed with blue, green, amber, grey filters as an optional accessory. Provide tremendous fluorescent image with high resolution fluorescent objectives including infinite plan achromatic, achromatic, fluorescent achromatic objective, and backward quintuple resolving nosepiece. Designed with 100W mercury epi-fluorescence, 3W LED epi-fluorescence, and Mercury lamp(HBO) ultra hi-voltage spherical fluorescents lamp. Advantage of HBO mercury lamp: various spectral peaks, incoherent source, reasonable price, and compact light emitting surface. 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.

Sample Images





Accessories



Quintuple turret phase contrast unit with 10X/20X/40X/100X infinite plan phase contrast objective for phase contrast and bright field observation.



N.A.0.9/0.13 Swing-out Condenser observation.



Infinite Plan Objectives





Simple polarizing unit with polarizer and analyzer

Technical Specification:

Model	IMF-1110-240V
Type	Fluorescent Microscope
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, I D:: 48-76mm
Optical System	Infinite
Eyepiece	WF10X22mm (Diopter adjustable), tube diameter: 30 mm(optional: WF15X16mm , WF10X22mm with 0.1mm eyepiece micrometer)
Nosepiece	Backward Quintuple
Objective	Infinite Plan Achromatic 4X/0.10 WD:12.10mm, 10X/0.25 WD: 4.64 mm,20X/0.40(S) WD: 2.41mm, 40X/0.65 (S) of 0.65 mm,100X/1.25(S, Oil) WD: 0.12 mm
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder
Light Source	6V/30W Halogen Lamp with Field Diaphragm Koehler(optional: 3W LED Illumination with Field Diaphragm Koehler illumination)
Condenser	Swing out condenser N.A.0.9/0.13, with iris diaphragm
Filter	Blue filter(optional: Green/ Amber/Grey)
Optional Accessories	Dark Field Unit, Polarizing Unit,Phase Contrast Unit, Fluorescent Attachment, Video Adapter, Photo Adapter Filter
Shipping Dimensions	565× 310× 410 mm
Shipping Weight	GW-12 kg NW-10 kg
Fluorescent	100W Mercury Epi-Fluorescence and 3W LED Epi-Fluorescence unit(Six-hole disc, Uv/V/B/G and another filters) (optional)
Electrical Requirement	240V
Catalogue No.	440900502-240V

Technical Data:

Model	IMF-1110	IMF-1120	IMF-1130	IMF-1140
Type	Fluorescent Microscope			
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, I D:: 48-76mm	Trinocular Head, 30°, Rotatable 360°, I D: 48-76mm, e)	Binocular Viewing Head, at 45°, 360° Rotatable, I D: 55-75mm, Anti-mould	Sliding Trinocular Head, at 45°, 360° Rotatable, I D:55-75mm, Anti-mould
Fluorescent	100W Mercury Epi-Fluorescence and 3W LED Epi-Fluorescence unit(Six-hole disc, Uv/V/B/G and another filters) (optional)		100W Mercury lamp(HBO) Ultra Hi-voltage Spherical	
Reflected Light Source			Blue : 460-490 excitation, 500 dichroic mirror, 520 barrier filter; Green : 510-550 excitation, 570 dichroic mirror, 590 barrier filter(optional: UV: 330-385 excitation, 400 dichroic mirror, 435 barrier filter and V:400-410 excitation,455 dichroic mirror, 455 barrier filter	
Optical System	Infinite		-	
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm		Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm	
Eyepiece	WF10X22mm (Diopter adjustable), tube diameter: 30 mm(optional: WF15X16mm , WF10X22mm with 0.1mm eyepiece micrometer)		WF10X18mm, Eyepiece Tube Diameter 23.2 mm(optional:WF16X11mm)	
Nosepiece	Backward Quintuple		Quadruple	
Objective	Infinite Plan Achromatic 4X/0.10 WD:12.10mm, 10X/0.25 WD: 4.64 mm,20X/0.40(S) WD: 2.41mm, 40X/0.65 (S) of 0.65 mm,100X/1.25(S, Oil) WD: 0.12 mm(optional: 2.5X/0.07 WD: 8.47mm 60X/0.80(S) WD: 0.33 mm, 100X/1.15(S, Water) WD:0.19 mm)		Achromatic Objective 4X, 10X, 40X, 100X Fluorescent Achromatic Objective 4X, 10X, 40X, 100X(optional: Achromatic :20X, 60X)	
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder		Double Layer Mechanical Stage 140×140mm, Cross Travel 75×50mm, Can Hold Two Sides	
Light Source	6V/30W Halogen Lamp with Field Diaphragm Koehler(optional: 3W LED Illumination with Field Diaphragm Koehler illumination)		1W S-LED illumination(optional: 6V/20W Halogen Lamp)	
Condenser	Swing out condenser N.A.0.9/0.13, with iris diaphragm		Abbe Condenser NA1.25 with Iris Diaphragm & Filter	
Mirror	-		Plan-concave Mirror	
Filter	Blue filter(optional: Green/ Amber/Grey)		Yes	
Certification				
Optional Accessories	Dark Field Unit, Polarizing Unit,Phase Contrast Unit, Fluorescent Attachment, Video Adapter, Photo Adapter Filter		Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Dark Field Attachment	
Packing Dimension	565× 310× 410 mm		330x280x440 mm	380x450x260 mm
Packing Weight	GW-12 kg NW-10 kg		7 kg	5 kg
Electrical Requirement	100V / 240V / 100V / 240V		-	-
Catalogue No.	440900501	440900502 / 440901001 / 440901002	4409015-04	4409020-04



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