

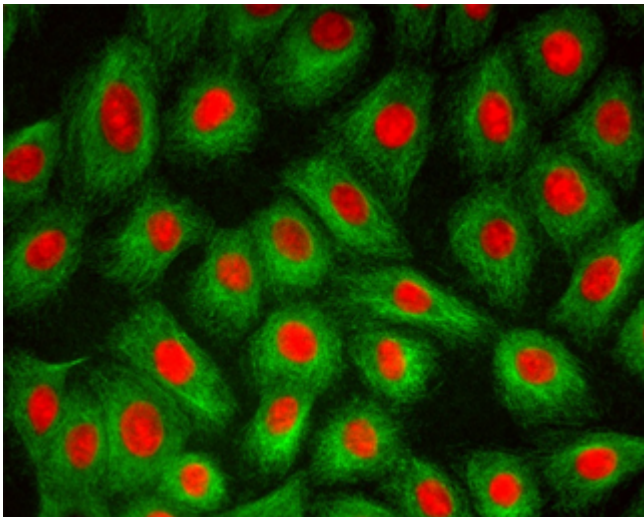
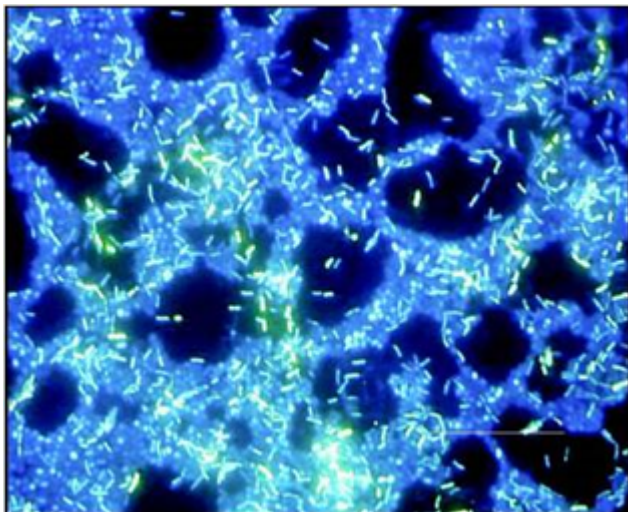
Fluorescent Microscope IMF-1140



Fluorescent Microscope IMF-1140 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 revolving 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



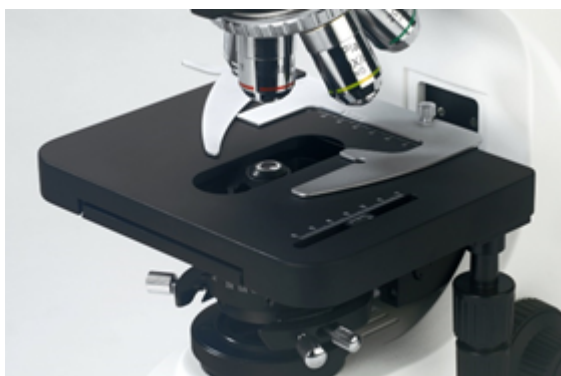
Quintuple turret phase contrast unit with 10X/20X/40X/100X infinite plan phase contrast objective for phase contrast and bright field observation.



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



Infinite Plan Objectives





Simple polarizing unit with polarizer and analyzer

Technical Specification:

Model	IMF-1140
Type	Fluorescent Microscope
Viewing Head	Sliding Trinocular Head, at 45°, 360° Rotatable, I D:55-75mm, Anti-mould
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm
Eyepiece	WF10X18mm, Eyepiece Tube Diameter 23.2 mm(optional:WF16X11mm)
Nosepiece	Quadruple
Objective	Achromatic Objective 4X, 10X, 40X, 100X Fluorescent Achromatic Objective 4X, 10X, 40X, 100X(optional: Achromatic :20X, 60X)
Stage	Double Layer Mechanical Stage 140×140mm, Cross Travel 75×50mm, Can Hold Two Sides
Light Source	1W S-LED illumination(optional: 6V/20W Halogen Lamp)
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm & Filter
Mirror	Plan-concave Mirror
Filter	Yes
Optional Accessories	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Dark Field Attachment
Shipping Dimensions	380x450x260 mm
Shipping Weight	5 kg
Fluorescent	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
Catalogue No.	4409020-04

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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