Fluorescent Microscope
IMF-1320



Fluorescent Microscope IMF-1320 is used to study the absorbing, transportation, chemicals distribution and positioning in cells. They can be used in disease examination, immune diagnosis and life science areas and tuberculosis test applications with Ziehl-Neelsen-Staining or fluorescence excitation, e.g. with Auramine O dye. 3W 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× objectives and each eye tube has interpupillary adjustment. Designed with blue, green filters and Kohler Illumination. Suitable for tuberculosis test applications with Ziehl-Neelsen-Staining or fluorescence excitation, e.g. with Auramine O dye. Provide tremendous fluorescent image with high resolution fluorescent objectives including infinite Plan achromatic objective, and backward Quintuple resolving nosepiece. Designed with LED epi-fluorescent, 3w led fluorescent lamp, mercury lamp epi-fluorescence lamp. 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



Technical Specification:

Model	IMF-1320
Type	Fluorescent Microscope
Viewing Head	Trinocular Viewing Head, at 30°, 360° Rotatable, ID: 48-75mm
Optical System	Infinite
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 22mm
Eyepiece	WF10X20mm (optional:WF15X16 mm)
Nosepiece	Backward Quintuple
Objective	Infinite Plan Achromatic Objective 4X 10X, 40X, 100X(optional: Infinite Plan Achromatic Objective 20X, 60X)
Stage	Rectangular 230×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold 2 Sides
Light Source	12V/20W Halogen Lamp(opt:1W S-LED illumination, brightness adjustable)
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm
Optional Accessories	Photo attachment, Video attachment, Polarization set, Phase contrast kit, Kohler Illumination
Shipping Dimensions	440x380x170 mm
Shipping Weight	5 kg
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.	440100-10-04

Technical Data:

Model	IMF-1310	IMF-1320	IMF-1330	IMF-1340
Type	Fluorescent Microscope			
Viewing Head	Binocular Viewing Head, at 30°, 360° Rotatable, ID: 48-75mm	Trinocular Viewing Head, at 30°, 360° Rotatable, ID: 48-75mm	Binocular Head, 30°, Rotatable 360°, ID: 48-76mm	Trinocular Head, 30°, Rotatable 360°, I D: 48-76mm,
Fluorescent	3W LED Lamp(465-476nm) 3W LED Lamp(525-530nm), Fluorescent Free Oil		LED Epi-Fluorescent unit (Six-hole disc, Auramine O fluorescent filter (Chroma brand, mainly used for Tuberculosis examination)) 3W LED fluorescent lamp, Rechargeable battery pack (6V DC) ,24 hrs working time(optional: 100W Mercury lamp Epi-Fluorescence unit (Six-hole disc, Auramine O/Uv/V/B/G and other filters))	
Reflected Light Source	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 & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm		Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	
Eyepiece	WF10X20mm (optional:WF15X16 mm)		WF10X22mm (Diopter adjustable), tube diameter: 30mm (optional:WF15X16mm (Diopter adjustable))	
Nosepiece	Backward Quintuple			
Objective	Infinite Plan Achromatic Objective 4X 10X, 40X, 100X(optional: Infinite Plan Achromatic Objective 20X, 60X)		Infinite Plan Achromatic without coverslips: 10X/0.25 WD: 4.64mm, 40X/0.65 (S), WD:0.65mm, 60X/0.90(S) WD:0.33mm, 100X/1.25(S, Oil), WD: 0.12mm (optional: 4X/0.10 WD:12.10mm, 20X/0.40(S) WD:2.41mm)	
Stage	Rectangular 230×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold Two Sides		Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	
Light Source	12V/20W Halogen Lamp(optional:1W S-LED illumination, brightness adjustable)		3W LED Lamp Koehler illumination	
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm		Swing out condenser N.A.0.9/1.25, with iris diaphragm	
Filter			Blue (optional: Green/ Amber/Grey)	
Certification				
Optional Accessories	Photo attachment, Video attachment, Polarization set, Phase contrast kit, Kohler Illumination		Video Adapter, Photo Adapter	
Packing Dimension	380x260x510 mm	440x380x170 mm	755×340×440 mm	
Packing Weight	9 kg	3 kg	GW-17 kg NW-15 kg	
Electrical Requirement			100V	240V	100V	240V
Catalogue No.	440100-05-04	440100-10-04	440100-15-01	440100-15-02	440100-20-01	440100-20-02



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