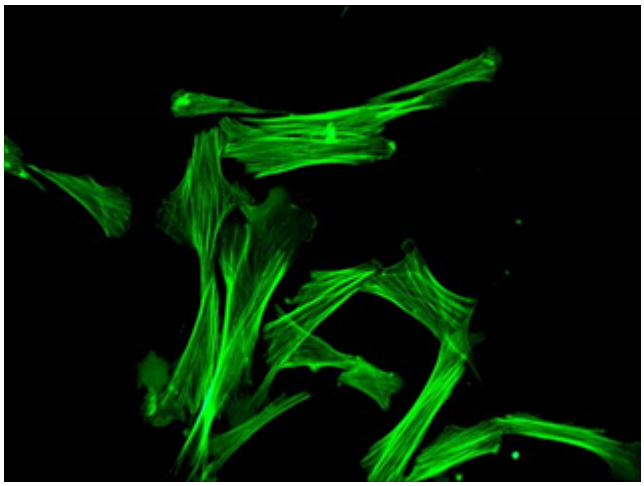
Fluorescent Microscope IMF-1520



Fluorescent Microscope IMF-1520 is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas. 6V/30W Halogen lamp 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 trinocular viewing head has excellent Infinite Plan Achromatic 4×, 10×, 40×, 100×, N-PLN Plan: 4X/NA=0.10 of length 30mm, 10X/NA=0.25, of length 10.2mm, 20X/NA=0.40, of length 12mm, 40X/NA=0.65, of length 0.7mm, 100X(Oil)/NA=1.25, of length 0.2mm, Plan semi-apochromatic fluorescent 4X/0.13(infinity), of length 18.5mm10X/0.30(infinity)of length 10.6mm, Plan semi-APO phase contrast: 10× NA=0.3 of length 8.1mm Cover glass, 1.2mm, 20× NA=0.45 of length 7.5-8.8mm objectives and each eye tube has interpupillary adjustment. Designed with U, V, R, B1 fluorescent filters. Provide tremendous fluorescent image with high resolution fluorescent objectives including Infinite Plan Achromatic, N-PLN Plan, N-PLN PH Plan Phase Contrast, N-PLFN Plan Semi-apochromatic Fluorescent:, Plan semi-apochromatic fluorescent objective, and backward quintuple, backward sextuple, motorized backward sextuple resolving nosepiece. Designed with Turret with 6 filter block cubes, 100W mercury lamp, epi-fluorescence HBO mercury lamp and B,G,UV fluorescent filters, epi-fluorescence attachment LED lamp with B,G,UV filters. 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-1520
Type	Fluorescent Microscope
Viewing Head	Trinocular at 30°, 360° Rotatable, ID: 48-75 mm
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 and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.1mm/ Rotation, Moving Range 24mm
Eyepiece	WF10×/22mm
Nosepiece	Backward Quintuple
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100× Infinite Plan Achromatic 20×, 60×
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm
Light Source	6V/30W Halogen lamp External Kohler illumination, A spherical collector
Condenser	Swing Condenser NA 0.9/0.25
Optional Accessories	Photo Adapter Canon DSLR camera, Video Adapter 1× C-mount, 0.5× C-mount a
Catalogue No.	440110-05-04

Technical Data:

Model	IMF-1520	IMF-1540	IMF-1560	IMF-1580	IMF-1500
Type	Fluorescent Microscope				
Viewing Head	Trinocular at 30°, 360° Rotatable, ID: 48-75 mm	Trinocular, 30°, ID: 47mm-78 mm	Ergo Tilting Trinocular adjustable 0-35° ID: 47-78mm (op:Trinocular 30°, ID: 47-78mm	trinocular (Inverted image), 30° inclined, ID:: 50-76mm	Trinocular head with Bertrand lens, d at 45°, ID: 47-78 mm
Magnification	-				internal magnification: 1x, 1.5x
Fluorescent		Turret with 6 filter block cubes position, with iris field diaphragm and aperture diaphragm, central adjustable; with filter and polarizing slot; fluorescence filters (B,G fluorescent filters), 100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable.		100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable. (75W xenon lamp house for option)	Epi-fluorescence HBO mercury lamp and B,G,UV fluorescent filters, field diaphragm, center adjustable(optional: Epi-fluorescence attachment LED lamp and B,G,UV filters, field diaphragm
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 and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.1mm/ Rotation, Moving Range 24mm	Low-position coaxial coarse and fine focusing, fine division 1?m, Moving range 35mm		Biological frame (transmitted), low-position coaxial coarse and fine adjustment, coarse adjustment distance Fluorescence frame (transmitted), low-position coaxial coarse and fine adjustment,	Coaxial coarse fine focusing. Movement range 9mm, coarse adjustment 2mm/rotation, fine adjustment 0.2mm/rotation
Eyepiece	WF10×/22mm	SW10X25mm, diopter adjustable (optional:SW10X22mm, EW12.5X17.5m, WF15X16mm, WF20X12mm, diopter adjustable		PL10X25mm, (optional: PL10X25mm,PL10X26.5mm, PL10X26.5mm, with reticle, diopter)	SW10×/25mm,30mm (optional:SW10X22mm,30mm, EW12.5X17.5mm, 30mm, WF15X16mm, 30mm, WF20X12mm, 30mm
Nosepiece	Backward Quintuple	Backward Sextuple	Motorized Backward Sextuple	Backward Quintuple(optional: Backward Sextuple)	6-hole nosepiece with DIC slot
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100× Infinite Plan Achromatic 20×, 60×, (optional: Infinite Plan Fluorescent 4×,10×,20×,40×, 100×)	N-PLN Plan: 4X/NA=0.10, 30mm, 10X/NA=0.25, 10.2mm, 20X/NA=0.40, 12mm, 40X/NA=0.65, 0.7mm, 100X(Oil)/NA=1.25, 0.2mm (opt:50X(Oil)/NA=0.95, WD=0.19mm60X/NA=0.80, WD=0.3mm); N-PLN PH Plan Phase Contrast: 10X/NA=0.25 10.2mm, 20X/NA=0.40, of length 12mm, 40X/NA=0.65,0.7mm; N-PLFN Plan Semi-apochromatic Fluorescent: 4X/NA=0.13, 17.2mm.		Plan semi-apochromatic fluorescent 4X/0.13(infinity), 18.5mm10X/0.30(infinity) 10.6mm,20X/0.50(infinity) 2.33mm40X/0.75(infinity) 0.6mm,100X/1.30(infinity), 0.21mm	Plan semi-APO phase contrast: 10× NA=0.3 8.1mm Cover glass, 1.2mm, 20× NA=0.45, 7.5-8.8mm Cover glass 0-2mm,40× NA=0.60, 3-4.4mm Cover glass 0-2mm(optional: 4×NA=0.13, 16.5mm Cover glass 0-2mm, 60× NA=0.70 1.8-2.6mm.
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm	Double layers mechanical stage, size 190mmX152mm; moving range78mmX32mm (Right or left handle); precision: 0.1mm	Double layers mechanical stage, size 190mmX152mm; moving range 78mmX54mm (double slides holder, Right or left handle); precision: 0.1mm; with Sapphire Crystal Glass Insert	Double layers mechanical stage, size: 187mm X168mm; moving range: 80mm X55mm; precision: 0.1mm; two-way linear drive, tension adjustable	Three-layer mechanical stage, movement range 130×85mm, flexible knob. Different small sizes stage could be attached to main stage
Light Source	6V/30W Halogen lamp External Kohler illumination, A spherical collector	3W S-LED lamp, center pre-set, intensity adjustable (optional:12V/100W halogen lamp)		12V/100W halogen lamp house for transmitted light, center pre-set, intensity adjustable	12V/100W halogen lamp, Kohler illumination(optional: LED illumination ECO Auto-off function)
Condenser	Swing Condenser NA 0.9/0.25	Swing-out type condenser N.A.0.9/0.25(Auto) (optional: Dark-field Condenser (Dry), used for objectives lower than 100X Turret Phase Contrast Condenser Dark-field Condenser (Oil), used for 100X)		Swing-out type achromatic condenser (N.A.0.9)	Long working distance condenser, NA0.55, WD=26mm, with 6-position plate
Mirror					
Filter		U,V,R fluorescent filters			V, B1, R fluorescent filters
Certification					
Accessories	-	Dust Cover, Power Cord, Cedar Oil 5ml			
Optional Accessories	Photo Adapter Canon DSLR camera, Video Adapter 1× C-mount, 0.5× C-mount a	10X DIC Objective Lens, 20X DIC Objective Lens Polarizer for DIC Kit, DIC insert plate(10X/20X), can be inserted into the DIC slot on nosepiece DIC insert plate(40X/100X) can be inserted into the DIC slot on nosepiece, DIC Turret Condenser U,V,R fluorescent filters, ND6/ND25 Filter 0.5X C-mount Adapter, 1X C-mount Adapter		Camera adapter:, 0.5X/0.65X/1X focusing C-mount, Cooled CCD camera, SONY 2/3??, 1.4MP, ICX285AQ, Color CCD, Centering objective for fluorescence observation, Calibration slide 0.01mm Multi Viewing Attachment for 5 persons, DIC Attachment	Dark field Polarizing kit Phase contrast DIC
Packing Dimension					
Packing Weight					
Electrical Requirement		100VAC			
Catalogue No.	440110-05-04	440110-10-01	440110-15-04	440110-20-04	440110-25-04



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