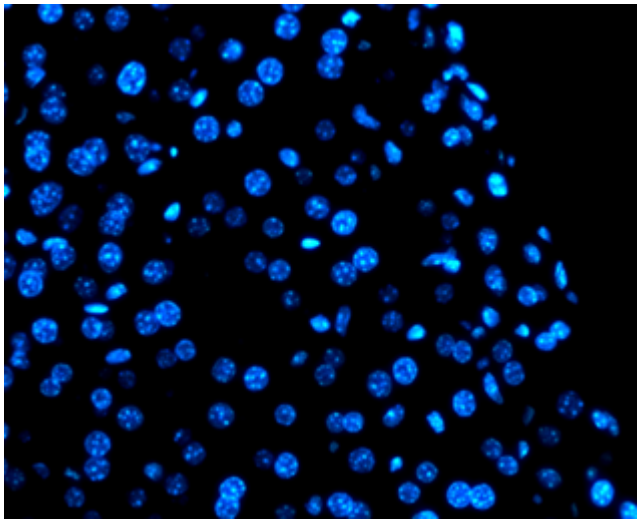
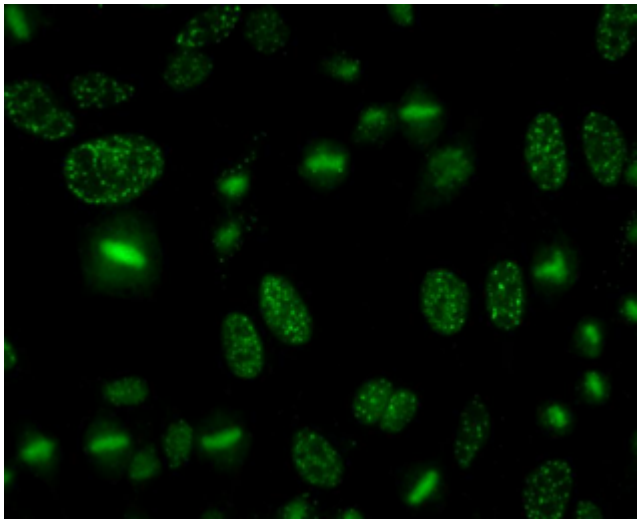
Inverted Fluorescence Microscope IMF-3100



Inverted Fluorescence Microscope IMF-3100 deals with the flexibility and power that user needs to advance their work along with high-resolution cameras, and vivid 6V/30W Halogen lamp illumination and 100W HBO Ultra Hi-voltage Spherical Mercury Lamp as a light source, these inverted systems are highly flexible and fit perfectly for user laboratory needs. Ideal for cell culture used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research. Equipped with trinocular viewing head and different filters including Blue, Green and Ground glass filters. It is a significant instrument finished to a high standard. High performance, long working distance Infinite Plan Achromatic objectives are fitted as standard with a reversed quintuple nosepiece and Extra Long Working Distance NA 0.3 of length 72 mm condenser. Features with 10×/ 0.25, 6 mm, 20×/ 0.4, 3.1mm, 40×/ 0.55, 2.2 mm high-level phase contrast objective with a corresponding phase plate and focusing Centering telescope of length 30 mm is included as standard. Provide tremendous fluorescent image with high resolution fluorescent objectives including LWD Infinite Plan, infinite Plan Fluorescent objective, and quintuple nosepiece. Designed with 100W HBO Ultra Hi-voltage Spherical Mercury, 6V/30W Halogen Lamp Kohler Illumination 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

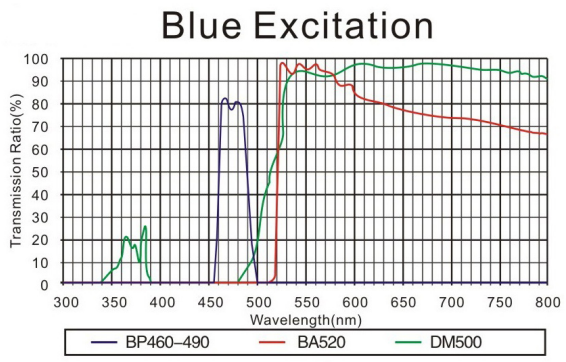


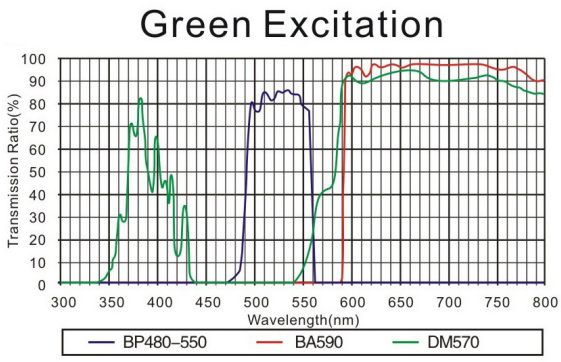


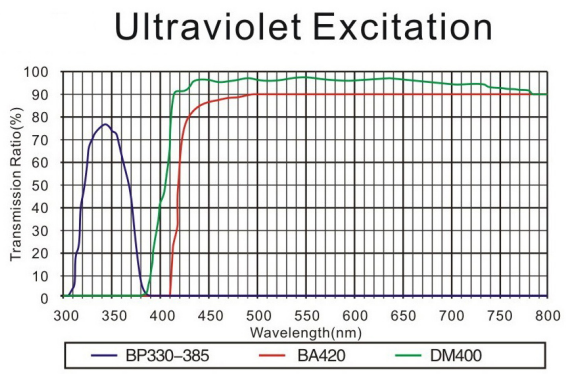
Accessories

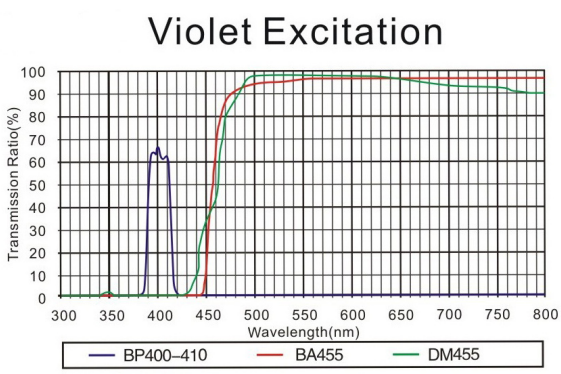


Inverted Fluorescent Attachment









Technical Specification:

Model	IMF-3100
Type	Inverted Fluorescence Microscope
Viewing Head	Trinocular Head Inclined at 30°, Interpupilary 48-75mm
Phase Annulus	10×-20×, 40× Phase Annulus Plate (Fixed)(optional: adjustable 10×-20×, 40× Phase Annulus Plate)
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 up 8mm, down 3mm
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22 mm
Nosepiece	Quintuple
Objective	LWD Infinite Plan: 4×/0.1,40×/0.6,PH 10×/0.25,PH 20×/0.4
Stage	Plain stage 160×250 mm, Glass Insert Plate, Auxiliary Stage 70×180mm, Auxiliary Stage 70×180mm
Light Source	6V/30W Halogen Lamp(optional: 3W LED lamp)
Condenser	ELWD Condenser NA 0.3, LWD 72mm (Without condenser 150mm)
Microscope	Centering Telescope(30 mm)
Filter	Blue, Green and Ground glass filters, Diameter 45mm
Standard Accessories	100W HBO Ultra Hi-voltage Mercury Lamp, Barrier to Resist the Ultraviolet Light, Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display, Fluorescent Free Oil
Optional Accessories	Photo Adapter for Nikon and Canon DSLR cameras, Neutral ND25/ ND6 Filter
Catalogue No.	440120-05-04

Technical Data:

Model	IMF-3100
Type	Inverted Fluorescence Microscope
Viewing Head	Trinocular Head Inclined at 30°, Interpupilary 48-75mm
Phase Annulus	10×-20×, 40× Phase Annulus Plate (Fixed)(optional: adjustable 10×-20×, 40× Phase Annulus Plate)
Reflected Light Source	Blue: 460 to 490 nm excitation,500 Dichroic Mirror, 520 Barrier Filter; Green: 480 to 550 nm excitation,570 Dichroic Mirror, 590 Barrier Filter(optional: Blue(B1): 460 to 495 nm excitation,505 Dichroic Mirror, 510 to 550 Barrier Filter;UV:330 to385 excitation,400 Dichroic Mirror, 420 Barrier Filter; V: 400 to 410 nm excitation,455 Dichroic Mirror, 455 Barrier Filter; Red: 620 to 650 nm excitation,660 Dichroic Mirror, 670 to 750 Barrier Filter)
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 up 8mm, down 3mm
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22 mm
Nosepiece	Quintuple
Objective	LWD Infinite Plan: 4×/0.1,40×/0.6,PH 10×/0.25,PH 20×/0.4(optional: 10×/0.25,20×/0.4,PH 40×/0.6; Infinite Plan Fluorescent: 4×/0.13,10×/0.30,20×/0.5,40×/0.6)
Stage	Plain stage 160×250 mm, Glass Insert Plate, Auxiliary Stage 70×180mm, Auxiliary Stage 70×180mm(optional: Attachable Mechanical Stage, X- Y Coaxial Control, Moving Range 120×78 mm,Terasaki Holder, Petri Dish Holder 35mm, Slide Glass Holder 54mm, Petri Dish Holder 90mm
Light Source	6V/30W Halogen Lamp(optional: 3W LED lamp)
Condenser	ELWD Condenser NA 0.3, LWD 72mm (Without condenser 150mm)
Microscope	Centering Telescope(30 mm)
Filter	Blue, Green and Ground glass filters, Diameter 45mm
Certification	
Accessories	100W HBO Ultra Hi-voltage Spherical Mercury Lamp, Barrier to Resist the Ultraviolet Light, Power Supplier NFP-1, 220V/ 110V Voltage interchangeable, Digital Display, Fluorescent Free Oil
Optional Accessories	Photo Adapter for Nikon and Canon DSLR cameras, Neutral ND25/ ND6 Filter
Packing Dimension	
Packing Weight	
Electrical Requirement	
Catalogue No.	440120-05-04



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