



Laboratory Microscope IMB-3400 Series is ideal for biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities. Equipped with finite and infinite optical system. 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. This series of microscopes allow handlers to remain relaxed during long periods of routine microscopy observations. The microscope frame adapts the handler's hands and the location of the control knobs maximizes ergonomics to recover work efficiency. Fast and rapid set a specimen with one hand while adjusting the focus and operating the stage with the other hand with slight movement. The binocular viewing head has Achromatic 4×, 10×, 40×(S), 100×/1.25 (Oil) (S) (optional: 20×, 60× (S) objective and each eye tube has interpupillary adjustment. Designed with blue, yellow and green filters as an optional accessories. Features with backward quadruple revolving nosepiece holds multiple lenses, and found between the eyepiece and the stage allowing the user to turn it to achieve various levels of magnification. Though the exact level of magnification may vary with different models, most microscopes provide a low power lens with about 5X magnification and a high power lens with about 100X magnification. Featured with chromatic condenser Abbe NA 1.25 with Iris Diaphragm and Pinion adjustment for condenser that are concentrates and controls the light that passes through the specimen prior to entering the objective with modern cameras use a type of adjustable diaphragm known as an iris diaphragm which can reduce the amount light that hits a detector by decreasing the aperture and Filter

Features

- ◆ Infinite plan objective for high quality images
- ◆ Semi- Plan Achromatic also known semi-planar, sometimes called micro-plan objectives have an 80% flat field. They can either be two lens element achromats or three or more element apochromats
- ◆ Plan Achromatic also known planar objective corrects better for color and spherical aberration than either the semi-plan or the achromatic objective. Plan objectives have a flat field about the center 95% of the image with larger working distances
- ◆ Coaxial coarse and fine focusing knobs, travel range of 26 mm, scale: 2 um
- ◆ Offer stages that are designed to move small sample slides or entire microscopes including Double layers mechanical stage of length 145×140 mm, cross travel 76×52 mm, scale 0.1 mm, with 2 slide holder along with optional: reckless double layers mechanical stage of length 140×135 mm, cross travel 75×35 mm, scale 0.1 mm, with 2 slide holder
- ◆ Reflect mirror and 3W LED Illuminator light source
- ◆ Different filters including Blue, Green, and Yellow filter as an optional accessories
- ◆ Excellent wide field technology
- ◆ Binocular 30° inclined and a 360° rotatable head interpupillary distance 48 to 75 mm
- ◆ Small foot print and light weight
- ◆ Easy operating with ergonomic design
- ◆ Excellent image quality with infinite and finite optical system
- ◆ Optional accessories to realize dark field condenser, polarizing set, phase contrast unit, fluorescence attachment, filter, photo adapter, video adapter, mirror, rechargeable battery, cable winding device

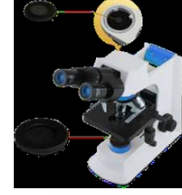
Optional Accessories



Wire winding device convenient for carry and storage



Phase contrast unit, Independent phase contrast unit



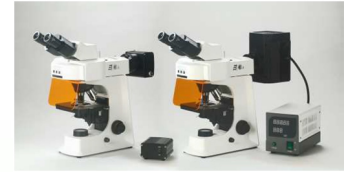
Simple polarizing unit with polarizer and analyzer



Dry / Oil Dark Field Condenser



Mirror



Fluorescent attachment with LED or mercury light source

Technical Specifications

Model	IMB-3420	IMB-3440	IMB-3460	IMB-3480
Type	Biological Microscope			
Viewing Head	Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75 mm(optional: Trinocular Viewing Head)			
Optical System	Finite		Infinite	
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um			
Eyepiece	WF10X18mm(optional: WF16X13mm, Reticule WF10X18mm,WF10X20mm	WF10×/20mm(optional: WF16X13mm, Reticule WF10X18mm (0.1mm),WF10X20mm (0.1mm))		
Nosepiece	Backward Quadruple optional: Backward Quintuple			
Objective	Achromatic 4X, 10X, 40X(S), 100X/1.25 (Oil) (S) (optional: 20X, 60X (S))	Plan Achromatic 4X, 10X, 40X/0.65 (S), 100X/1.25 (Oil) (S)(optional: 20X, 60X (S))	Infinite Achromatic E-Plan 4X, 10X, 40X (S), 100X (Oil) (S)(optional: Plan 20X, 60X (S))	Infinite Achromatic Plan 4X, 10X, 40X (S), 100X (Oil) (S)(optional: Plan 20X, 60X (S))
Stage	Double Layers Mechanical Stage, Size: 145×140mm, Cross Travel 76×52mm, Scale 0.1mm, Two Slide Holder(optional: Reckless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder)			
Light Source	3W LED Illumination(optional: 6V/20W/30WHalogen Lamp)			
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm			
Mirror	Reflect Mirror			
Filter	Blue, Green, Yellow Filter(optional)			
Optional Accessories	Dark Field Condenser, Polarizing Set, Phase contrast unit, Fluorescence Attachment, Filter, Photo Adapter, Video Adapter, Mirror, Rechargeable Battery, Cable Winding Device			
Packing Dimension	420x280x450 mm			
Packing Weight	GW-8 kg, NW-6.5 kg			
Catalogue No.	4406005-04	4406010-04	4406015-04	4406020-04