IRIS ANALYTICAL



MICROSCOPES

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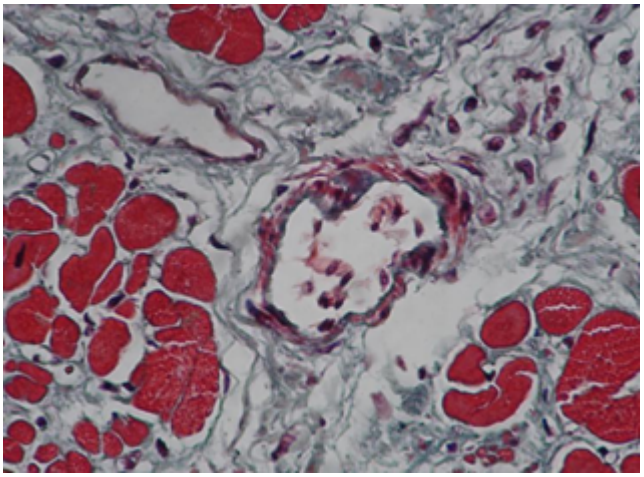
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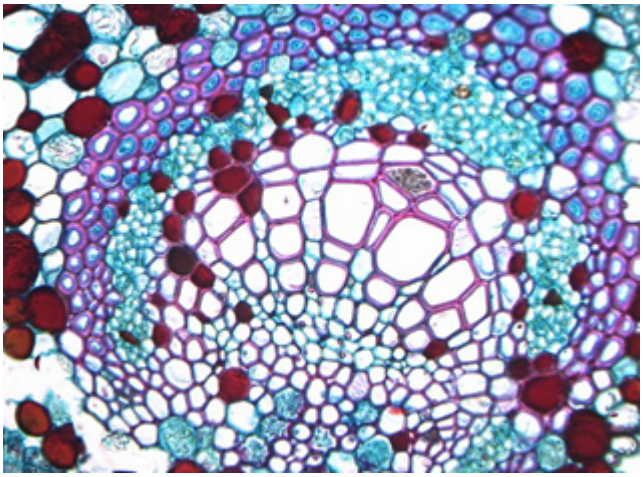
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Research Microscope IMB-4200 Series is ideal for biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities. Equipped with 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 Infinite E-Plan 4×/0.10,10×/0.25, 40×/0.65(S), 100×/1.25(S, Oil) 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 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.

- Infinite E-Plan objective
- Coaxial coarse and fine focusing knob, coarse focusing travel range of length 25mm, fine division: 2 µm
- Offer stages that are designed to move small sample slides or entire microscopes including Mechanical stage to facilitates sample observations of length 145×140 mm, travel range of length 76×52 mm, scale: 0.1 mm with 2 slide holder along with optional: reckless(integrated) stage of length 140×135mm, travel range of length 75×35 mm, scale: 0.1 mm with 2 slide holder
- Mirror and 3W LED Illuminator light source
- Different filters including Blue, Green, and Yellow filters as an optional accessories
- Excellent wide field technology
- Binocular 30° inclined and a 360° rotatable head interpupilary distance 48 to 75 mm and 55 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories to realize dark field unit, polarizing unit, c-mount, filter

Sample Image





Accessories



Wire Winding Device



Integrated Stage



100× Water objective



Simple polarizing unit

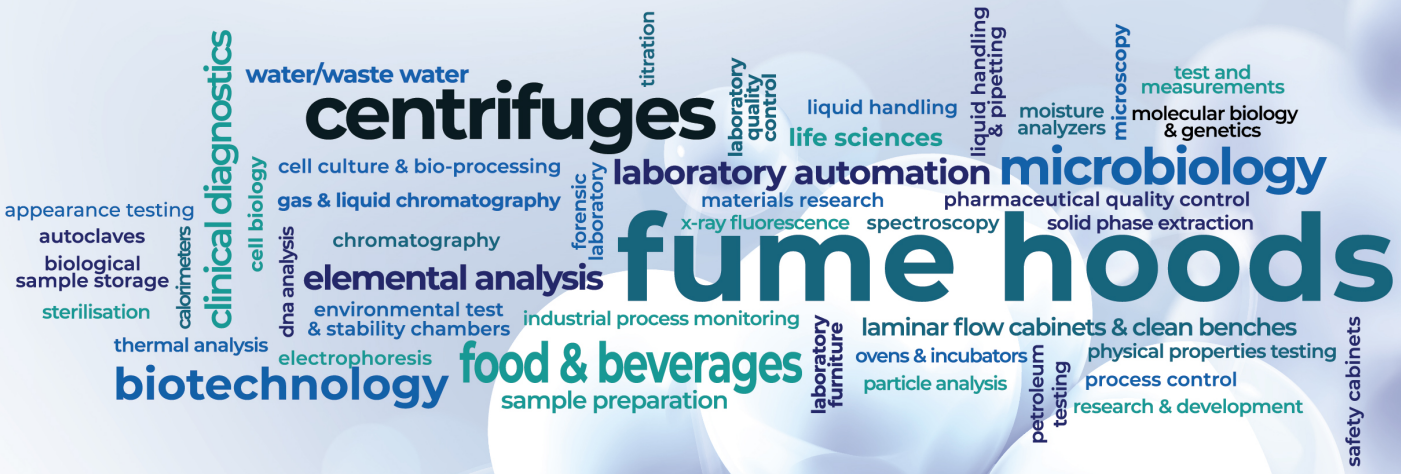


Dark filed unit available

Technical Specifications

Model	IMB-4230	IMB-4260
Type	Biological Microscope	
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm(optional: Trinocular Head)	
Optical System	Infinite	
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Fine division: 2μm	
Eyepiece	WF10X20 mm (High eyepoint)(optional: WF16X13 mm, WF10X20 mm, WF10X20 mm Focus non-adjustable, Reticule 0.1 mm)	
Nosepiece	Backward Quadruple	
Objective	Infinite E-Plan 4X/0.10,10X/0.25, 40X/0.65(S), 100X/1.25(S, Oil)(optional: 60X/0.80(S), 20X/0.40(S), 4X/0.10, 10X/0.25, 40X/0.66(S), 100X/1.25(S, Oil)	Infinite E-Plan 4X/0.10, 10X/0.25, 40X/0.66(S), 100X/1.25(S, Oil)(optional: 60X/0.80(S), 20X/0.40(S), 4X/0.10,10X/0.25, 40X/0.65(S), 100X/1.25(S, Oil))
Stage	Mechanical Size 145×140mm, Travel Range:76×52mm, Scale: 0.1mm, Two Slide Holder(optional: Reckless(integrated) Stage, Size 140×135mm, Travel Range: 75×35mm, Scale: 0.1mm, Two Slide Holder)	
Light Source	3W LED Illumination, Voltage: 100V-240V	
Condensor	N.A.1.25, With Iris Diaphragm	
Filter	Blue, Green, Yellow Filters(optional)	
Optional Accessories	Dark Field Unit, Polarizing Unit, C-mount, Filter	
Packing Dimension	350×270×470 mm	
Packing Weight	GW-6.7 kg, NW-5.3 kg	
Electrical Requirement		
Catalogue No.	4407005-04	4407010-04

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