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MICROSCOPES

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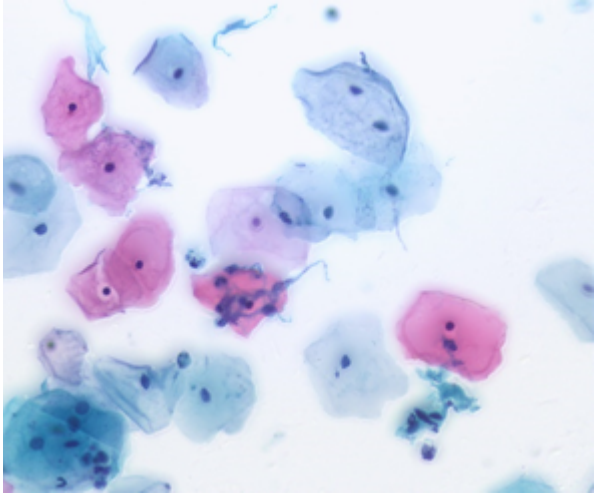
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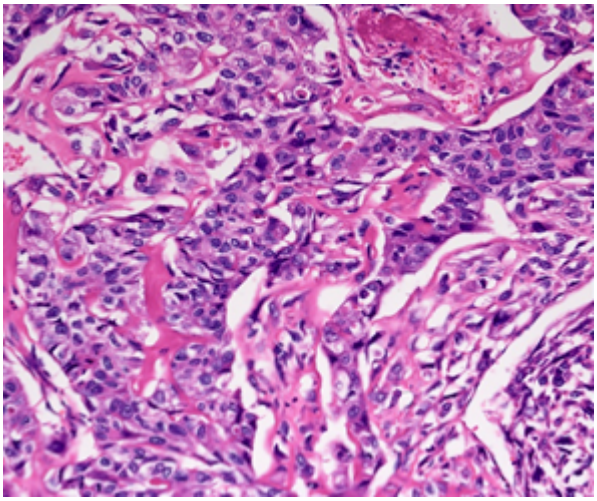
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Research Microscope IMB-4400 Series is ideal for biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers. 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, trinocular viewing head has Infinite Plan Achromatic Objectives 4×, 10×, 40×(S), 100×(S, Oil) objectives and each eye tube has interpupillary adjustment. Designed with blue, yellow and green filters. 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 N N.A.1.25 with sliding-in centerable condensers 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 semi-plan achromatic objective
- Coaxial coarse and fine adjustment, fine division of length 0.002 mm, coarse stroke of length 37.7 mm/rotation, fine stroke 0.2 mm/ rotation, moving range of length 20 mm
- Offer stages that are designed to move small sample slides or entire microscopes including double layers mechanical stage to facilitates sample observations of length 140×140 mm/75×50 mm along with optional rackless double layers mechanical stage 150×139mm, moving range 75×52mm
- Mirror and 3W LED Illuminator light source
- Excellent wide field technology
- Binocular 30° inclined and a 360° rotatable head interpupilary distance 48 to 75 mm and trinocular 30° inclined and a 360° rotatable head interpupilary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Kohler Illumination 6V/20W Halogen lamp as an optional accessories
- Optional accessories to realize polarizing set (polarizer and analyzer), phase contrast kit bphe-1 (infinite 10×, 20×, 40×, 100× phase contrast objective), yx-2 epi-fluorescent attachment (mercury lamp), fl-led epi-fluorescent attachment (led lamp, b, g, uv, v, r fluorescent filters are available), 1× c-mount , 0.5× c-mount

Sample Image

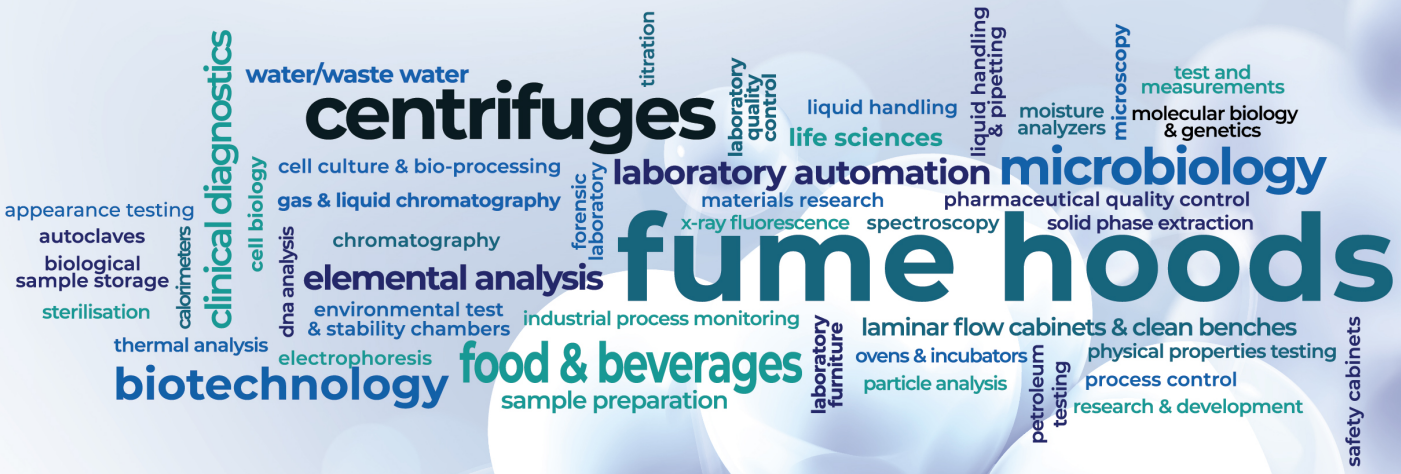




Technical Specifications

Model	IMB-4440	IMB-4480
Type	Biological Microscope	
Viewing Head	binocular head, 30° inclined, Interpupillary 48-75mm, eyepiece tube: 30 mm	trinocular head, 30° Interpupillary 48-75mm, eyepiece tube: 30mm, Light distribution: 100: 0 and 50:50(trinocular tube)
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 20mm	
Eyepiece	WF 10X22mm with Diopter Adjustment(optional: WF15×/16mm, WF20X12mm Eyepiece micrometer 0.1mm)	
Nosepiece	Backward Quadruple(optional: Backward Quintuple)	
Objective	Infinite Plan Achromatic:4X, 10X, 40X(S), 100X(S, Oil)(optional: Infinite Semi-Plan Achromatic:4X, 10X, 40X(S), 100X(S, Oil), Infinite Plan Achromatic: 2X, 20X, 60X(S), Infinite Plan Fluorescent Achromatic:4X, 10X, 20X, 40X(S), 100X(S, Oil))	
Stage	Double Layers Mechanical Stage 140×140 mm/ 75×50 mm(optional:Rackless Double Layers Mechanical Stage 150×139 mm, Moving Range 75×52 mm)	
Light Source	3W LED Lamp(optional:6V/20W Halogen Lamp Kohler Illumination)	
Condenser	Sliding-in Centerable Condenser NA1.25(optional: Dark Field Condenser NA 0.7-0.9 (Dry, used for objectives except 100×) Swing-out Condenser NA 0.9/ 0.25, Dark Field Condenser NA 1.25-1.36 (Oil, used for 100× objectives))	
Optional Accessories	Simple Polarizing Set (Polarizer and Analyzer), Phase Contrast Kit BPHE-1 (Infinite 10×, 20×, 40×, 100× phase contrast objective), YX-2 Epi-fluorescent Attachment (Mercury lamp), FL-LED Epi-fluorescent Attachment (LED lamp, B, G, UV, V, R fluorescent filters are available), 1× C-mount , 0.5× C-mount	
Packing Dimension	350x3550x5550 mm	
Packing Weight	GW- 12kg	
Electrical Requirement		
Catalogue No.	4408005-04	4408010-04

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