



MICROSCOPES



cs@irisanalytical.com



+1 706 760 4500

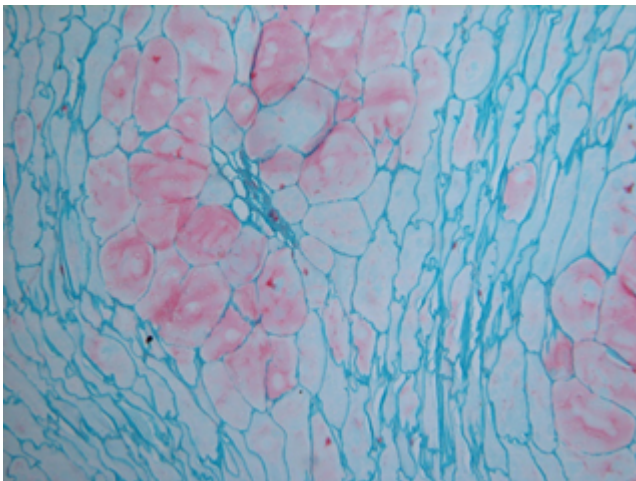


www.irisanalytical.com

Research Microscope IMB-4500 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 Koehler 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 4x, 10x, 40x, 100x 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 NA 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 140×132 mm, moving range 76×50 mm
- Mirror and 3W LED Illuminator light source
- Different filters including Blue, Green, and Yellow filters
- Excellent wide field technology
- Binocular 30° inclined and a 360° rotatable head interpupillary distance 48 to 75 mm and trinocular 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 optical system
- Kohler Illumination 6V/20W Halogen lamp as an optional accessories
- Optional accessories to realize Phase contrast kit, dark field attachment, polarizing attachment, video & photo accessories (1/3x, 1/2x, 1x c-mount)filters

Sample Image



Technical Specifications

Model	IMB-4540	IMB-4580
Type	Biological Microscope	
Viewing Head	binocular head, 30° inclined, Interpupillary 48-75mm	trinocular head, 30° inclined, Interpupillary 48-75 mm
Optical System	Infinite	
Focusing	Coaxial focusing system with tension adjustable, coarse:25mm per rotation, with upper limit and tightness adjustment, Fine Division 0.002mm	
Eyepiece	Plan 10X18mm with adjustable diopter(optional: Plan 10X20mm with adjustable diopter)	
Nosepiece	Backward Quadruple(optional: Backward Quintuple)	
Objective	Infinite plan Achromatic Objectives 4X, 10X, 40X, 100X	
Stage	Double Layers Mechanical Stage 140mm×132mm, moving range 76mm×50mm	
Light Source	3W LED Koehler illumination, intensity adjustable 100V-240V(optional: 6V/20W halogen Koehler illumination, intensity adjustable)	
Condensor	NA1.25 Condenser (with slot for phase contrast and dark field accessories)	
Filter	Blue, Green, Yellow Filters	
Optional Accessories	Phase Contrast Kit, Dark Field Attachment, Polarizing attachment, Video & photo accessories (1/3×, 1/2×, 1× C-mount) filters	
Packing Dimension		
Packing Weight		
Electrical Requirement		
Catalogue No.	4408505-04	4408510-04

