



MICROSCOPES



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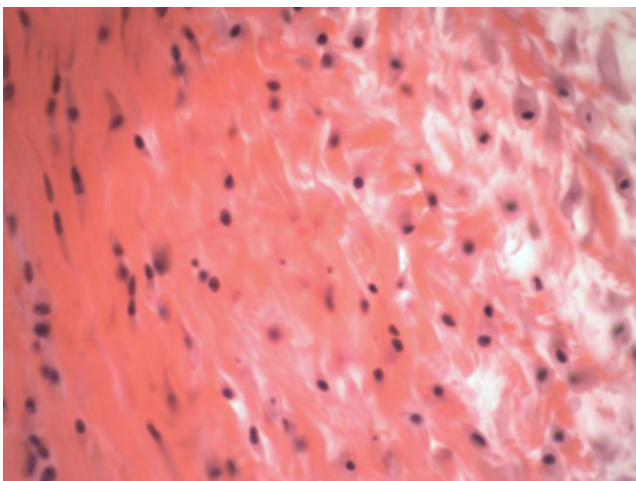


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Research Microscope IMB-4100 Series is a digital microscope, ideal for hospitals, clinics, medical academies, morphology and related research centers for biological, pathological, bacterial, histological, immune, pharmacological and genetic applications. Built-in and adding a camera to an existing microscope will create a digital microscope with resolution: 1280×1024(1.3MP CMOS), USB2.0 output, Scope Image 9.0 software to see the live image.. Fast and rapid set a specimen with one hand while adjusting the focus and operating the stage with the other hand with slight movement. 1W S-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. The binocular viewing head has excellent Semi-plan Achromatic 4X, 10X, 40X, 100X(optional: Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X, Infinite Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X) 4X, 10X, 40X, 100X objectives and each eye tube has interpupillary adjustment. Designed with blue 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 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.

- 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
- Offer stages that are designed to move small sample slides or entire microscopes including Double layers mechanical stage of length 140×140 mm or 75×50 mm
- Reflect mirror and 1W S-LED Illuminator light source
- Different filters including Blue, and Green filters
- Excellent wide field technology
- Binocular 30° inclined and a 360° rotatable head interpupillary distance 48 to 75 mm and 55 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Accessories 1.3MP CMOS, USB2.0 output, Image 9.0 software
- Optional accessories to realize Phase Contrast Kit, Polarization Set, Dark-field Attachment, LED Pointer
- Kohler Illumination 6V/20W Halogen lamp as an optional accessories

Sample Image





Technical Specifications

Model	IMB-4130	IMB-4160
Type	Digital Microscope	
Viewing Head	Binocular Head at 30°, Interpupillary Distance 55-75mm	Binocular Head at 30°, Interpupillary Distance 48-75mm
Camera System	1280×1024(1.3MP CMOS), USB2.0 output, Image 9.0(optional: 1600×1200(2.0MP CMOS), USB2.0;2048×1536(3.0MP CMOS), USB2.0;2592×1944(5.0MP CMOS), USB2.0	
Eyepiece	EW10X20 mm	
Nosepiece	Backward Quadruple (optional: Backward Quintuple)	
Objective	Semi-plan Achromatic 4X, 10X, 40X, 100X(optional: Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X, Infinite Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X)	
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	
Light Source	1W S-LED Illumination(optional: 6V/20W Halogen Lamp, Kohler Illumination)	
Condenser	NA1.25 Abbe Condenser with iris diaphragm and filter, rack & pinion adjustment	
Filter	Blue and Green Filter	
Optional Accessories	Phase Contrast Kit, Polarization Set, Dark-field Attachment, LED Pointer	
Packing Dimension		
Packing Weight		
Electrical Requirement		
Catalogue No.	4406505-04	4406510-04

