IRIS ANALYTICAL

MICROSCOPES

cs@irisanalytical.com

+1 706 760 4500

www.irisanalytical.com

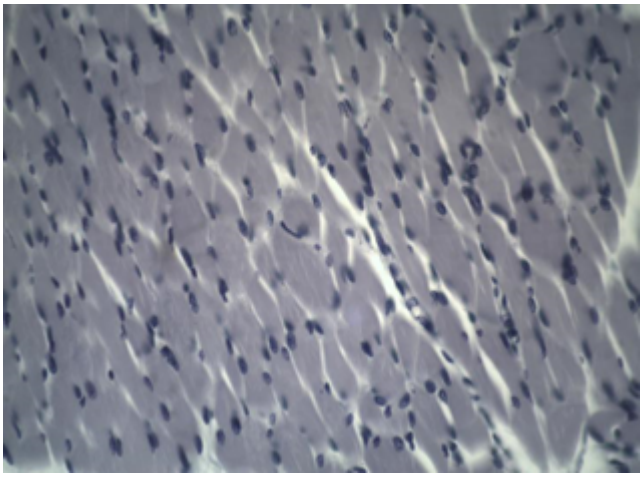
Laboratory Microscope IMB-3000 Series is ideal for laboratories, institutes, academic laboratories, colleges, and universities. LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and quadruple nosepiece.

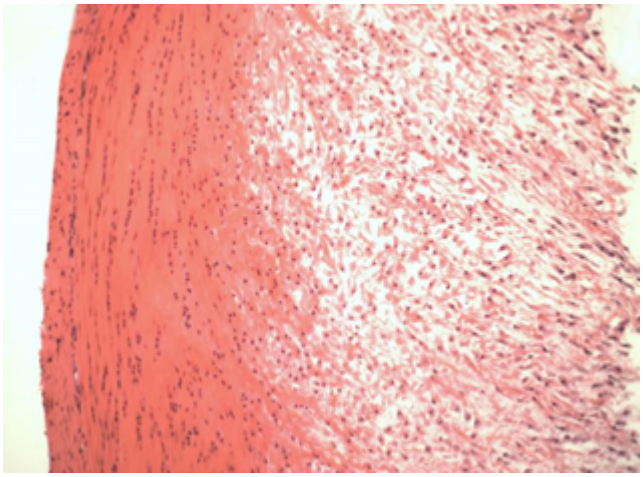
Laboratory Microscope IMB-3200 Series

Laboratory Microscope IMB-3200 Series is ideal for biological, histological, pathological field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges, and universities. Support multi-languages. 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 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 monocular, sliding binocular, trinocular viewing head has excellent achromatic. 44X, 10X, 40X, 100X(optional:20X, 60X, Semi-Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X, Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X) objective and each eye tube has interpupillary adjustment. Features with quadruple revolving nosepiece hold 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 Single Lens and chromatic condenser Abbe 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.

- Achromatic objective to correct for color and has a flat field across the central 65% of the image and usually comes with a pair of lenses
- Coaxial coarse and fine adjustment, moving of length 10 mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage of length 140×140mm/ 75×50
- Plan-concave Mirror and 1W S-LED Illuminator light source
- Excellent wide field technology
- Monocular 45° inclined and a 360° rotatable head, and binocular 45° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm and trinocular 45° inclined and a 360°rotatable head with interpupillary distance 55 to 75 mm
- 20W Halogen lamp as an optional accessories
- Small footprint and lightweight
- Easy operating with ergonomic design
- Equipped with many optional accessories to realize dust cover, immersion oil, polarization set, phase contrast kit, darkfield attachment, fluorescent attachment

Sample Images





Technical Specifications

Model	IMB-3209	IMB-3218	IMB-3227	IMB-3236
Type	Biological Microscope			
Viewing Head	Monocular Head at 45°,360°	Sliding Binocular Head at 45°, 360° Interpupillary distance 55-75mm(optional: Interpupillary 48-75mm)	Sliding Trinocular Head, at 45 º and 360 º, Interpupillary distance 55-75mm	Sliding Binocular Head with 1.3MP digital camera, at 45°, 360°; Interpupillary 55-75mm
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm			
Eyepiece	WF10X18 mm(optional:WF16X 11 mm)			
Nosepiece	Quadruple Resolving(optional: Quintuple)			
Objective	Achromatic 4X, 10X, 40X, 100X(optional:20X, 60X, Semi-Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X, Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X)			
Stage	Double Layer Mechanical Stage 140×140mm/ 75×50 mm(optional: Left-hand operation Double Layer Mechanical Stage)			
Light Source	1W S-LED(optional:/20W Halogen light)			
Condensers	Abbe NA 1.25 with Iris Diaphragm			
Mirror	Plan-concave Mirror			
Filter	Yes			
Optional Accessories	Dust cover, immersion oil, Polarization Set, Phase Contrast Kit, Dark Field Attachment, Fluorescent Attachment			
Packing Dimension	330×280×440 mm			
Packing Weight	7 kg			
Electrical Requirement	Rechargeable battery (only for LED illumination)			
Catalogue No.	4405005-04	4405010-04	4405015-04	4405020-04

Technical Specifications

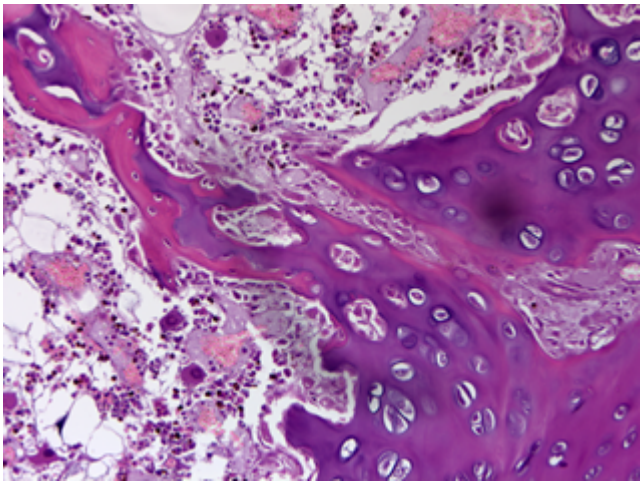
Model	IMB-3209	IMB-3218	IMB-3227	IMB-3236
Type	Biological Microscope			
Viewing Head	Monocular Head at 45°,360°	Sliding Binocular Head at 45°, 360° Interpupillary distance 55-75mm(optional: Interpupillary 48-75mm)	Sliding Trinocular Head, at 45 º and 360 º, Interpupillary distance 55-75mm	Sliding Binocular Head with 1.3MP digital camera, at 45°, 360°; Interpupillary 55-75mm
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm			
Eyepiece	WF10X18 mm(optional:WF16X 11 mm)			
Nosepiece	Quadruple Resolving(optional: Quintuple)			
Objective	Achromatic 4X, 10X, 40X, 100X(optional:20X, 60X, Semi-Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X, Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X)			
Stage	Double Layer Mechanical Stage 140×140mm/ 75×50 mm(optional: Left-hand operation Double Layer Mechanical Stage)			
Light Source	1W S-LED(optional:/20W Halogen light)			
Condensers	Abbe NA 1.25 with Iris Diaphragm			
Mirror	Plan-concave Mirror			
Filter	Yes			
Optional Accessories	Dust cover, immersion oil, Polarization Set, Phase Contrast Kit, Dark Field Attachment, Fluorescent Attachment			
Packing Dimension	330×280×440 mm			
Packing Weight	7 kg			
Electrical Requirement	Rechargeable battery (only for LED illumination)			
Catalogue No.	4405005-04	4405010-04	4405015-04	4405020-04

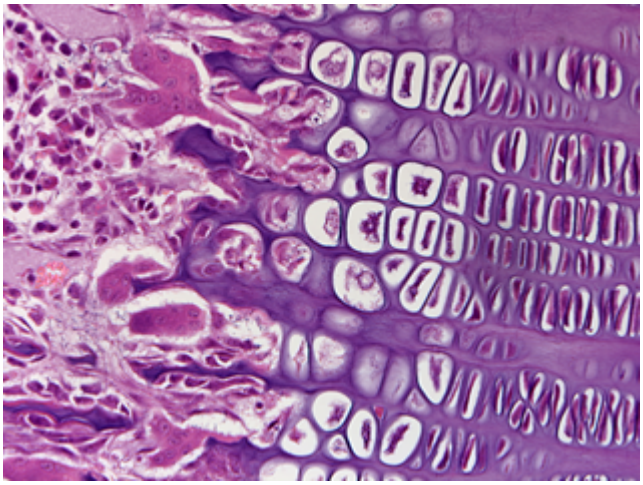
Laboratory Microscope IMB-3100 Series

Laboratory Microscope IMB-3100 Series is ideal for education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs, and scientific research departments. Equipped with an infinite optical system. 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 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 excellent achromatic. 4X, 10X, 40X, 100X(oil)(optional: plan achromatic 4X, 10X, 40X, 100X(oil), infinite plan 4X, 10X, 20X, 40X, 60X, 100X(oil)) objective and each eye tube has interpupillary adjustment. Koehler illumination for easy operation. Features with quadruple revolving nosepiece hold 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 plan achromatic objective for high-quality images
- Coaxial Coarse and fine adjustment, fine division of length 0.00 2 mm, a coarse stroke of length 37.7/rotation, a fine stroke of length 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 layer mechanical stage of length 132×142 mm/ 75×40mm
- Mirror and 1W S-LED Illuminator light source
- Excellent wide field technology
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm, and trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small footprint and lightweight
- Easy operating with ergonomic design
- Excellent image quality with an infinite and finite optical system
- Equipped with many optional accessories to realize Phase Contrast Kit, Dark Field Attachment, Polarization Attachment, Rechargeable battery, Photo Adapter: used for Nikon or Canon DSLR camera, Video Adapter: 1X or 0.5X C-mount adapter
- 12V/ 20W Kohler Illumination Halogen lamp as an optional accessories
- Excellent image quality with an infinite optical system

Sample Images





Technical Specifications

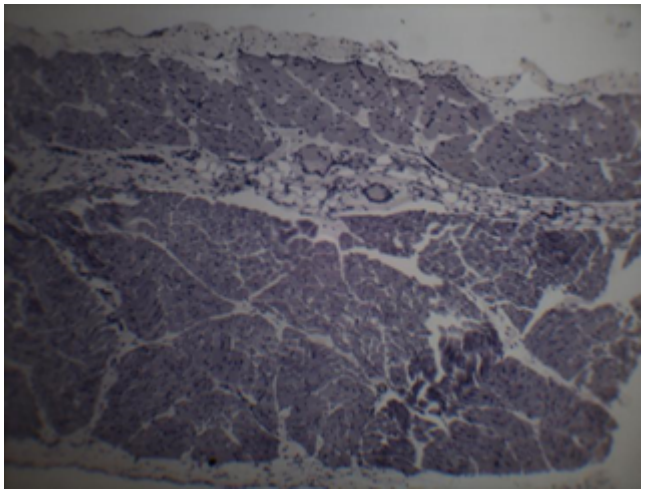
Model	IMB-3108	IMB-3116
Type	Biological Microscope	
Viewing Head	Binocular Head at 30°, 360° Interpupillary Distance 48-75 mm	Trinocular Head at 30°, 360° Interpupillary Distance 48-75 mm
Optical System	Infinite Optical System	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	
Eyepiece	WF10×/18 mm	
Nosepiece	Quadruple	
Objective	Infinite Plan Achromatic 4X, 10X, 40X, 100X(Oil)(optional:20×, 60×)	
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	
Light Source	1W S-LED (optional:Kohler illumination and Halogen Lamp 12V/ 20W)	
Condenser	Abbe NA 1.25 with Iris Diaphragm	
Optional Accessories	Phase Contrast Kit, Dark Field Attachment, Polarization Attachment, Rechargeable battery, Photo Adapter: used for Nikon or Canon DSLR camera, Video Adapter: 1X or 0.5X C-mount adapter	
Packing Dimension	320x260x440 mm	
Packing Weight	6 kg	
Electrical Requirement		
Catalogue No.	4404505-04	4404510-04

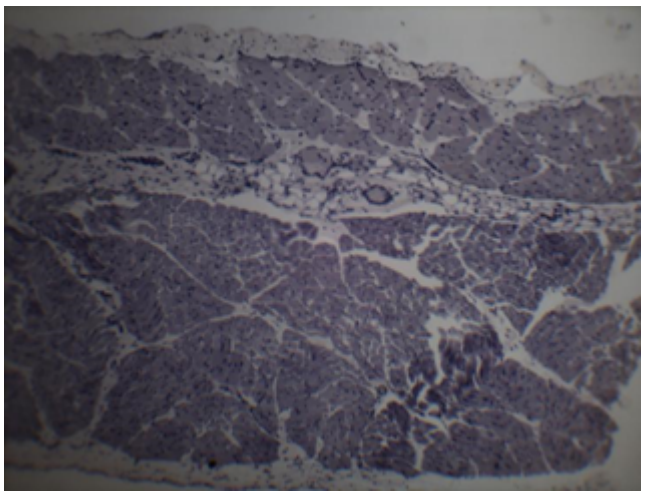
Laboratory Microscope IMB-3300 Series

Laboratory Microscope IMB-3300 Series is ideal for the biology field, bacteriology field, immunology field, pharmacology field and so on. They widely used in academic, medical and clinical areas for biological, pathological, bacterial, histological, immune and genetic applications. 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. 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 Semi-plan Achromatic Objective 4X, 10X, 40X, 100X(optional: Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X, Infinite Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X)objective and each eye tube has interpupillary adjustment. Designed with blue and green filters. Features with a backward quadruple revolving nosepiece hold 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 and 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 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, fine adjustment, fine division of length 0.002 mm, a coarse stroke of length 37.7 mm /rotation, a fine stroke of length 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 140×140 mm/ 75×50 mm
- Mirror and 1W S-LED Illuminator light source
- Different filters including Blue and Green Filter
- Excellent wide field technology
- Monocular 30° inclined and a 360° rotatable head with interpupillary distance 55 to 75 mm and binocular 30° inclined and a 360° rotatable head interpupillary distance 55 to 75 mm
- Small footprint and lightweight
- Easy operating with ergonomic design
- Equipped with many optional accessories to realize Polarization Set, Phase Contrast Kit, dark Field Attachment, Fluorescent Attachment

Sample Image





Technical Specifications

Model	IMB-3330	IMB-3360
Type	Biological Microscope	
Viewing Head	Binocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm	Trinocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm
Focusing	Coaxial Coarse, Fine Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	
Eyepiece	EW10X20 mm(optional:P16X 11 mm)	
Nosepiece	Backward Quadruple (optional: Backward Quintuple)	
Objective	Semi-plan Achromatic Objective 4X, 10X, 40X, 100X(optional: Plan Achromatic Objective 4X, 10X, 20X, 40X, 60X, 100X, Infinite Plan Achromatic Objective 4X, 10X, 20X, 40×, 60X, 100X)	
Stage	Double Layers Mechanical Stage 140×140 mm/ 75×50 mm	
Light Source	1W S-LED Illumination(optional:6V/ 20W Halogen Lamp, Kohler Illumination)	
Condensor	NA 1.25 Abbe Condenser with Iris Diaphragm and Filter	
Filter	Blue and Green Filter	
Optional Accessories	Polarization Set, Phase Contrast Kit, dark Field Attachment, Fluorescent Attachment	
Packing Dimension	350x310x570 mm	
Packing Weight	9.5 kg	
Electrical Requirement		
Catalogue No.	4405505-04	4405510-04

Laboratory Microscope IMB-3400 Series

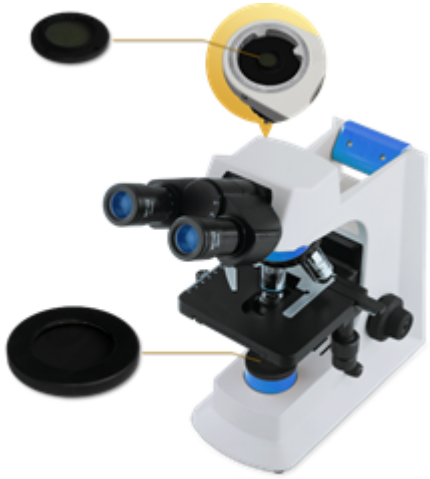
Laboratory Microscope IMB-3400 Series is ideal for biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges, and universities. Equipped with the finite 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 4X, 10X, 40X(S), 100X/1.25 (Oil) (S) (optional: 20X, 60X (S) objective and each eye tube has interpupillary adjustment. Designed with blue, yellow and green filters as optional accessories. Features with a backward quadruple revolving nosepiece hold 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 a 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
- 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 footprint and lightweight
- Easy operating with ergonomic design
- Excellent image quality with an infinite and finite optical system
- Optional accessories to realize darkfield condenser, polarizing set, phase contrast unit, fluorescence attachment, filter, photo adapter, video adapter, mirror, rechargeable battery, cable winding device

Optional Accessories

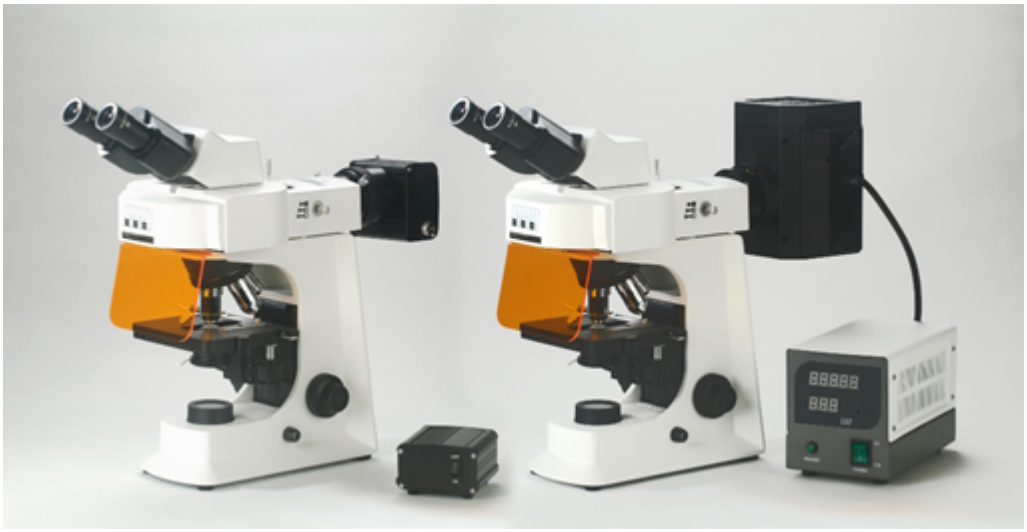
Wire winding device convenient for carry and storage

Phase contrast unit, Independent phase contrast unit



Simple polarizing unit with polarizer and analyzer

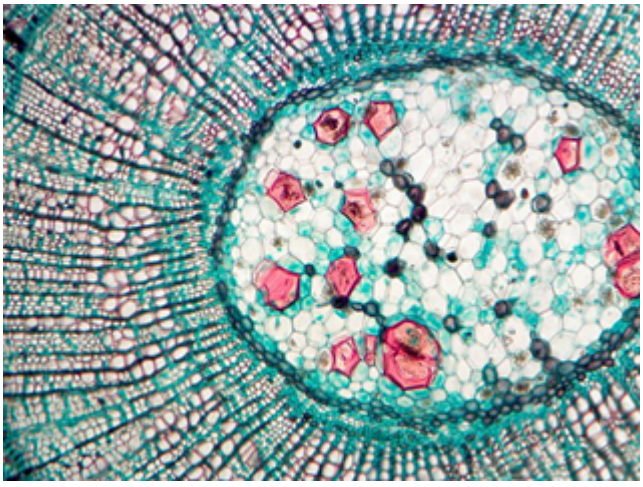
Dry / Oil Dark Field Condenser

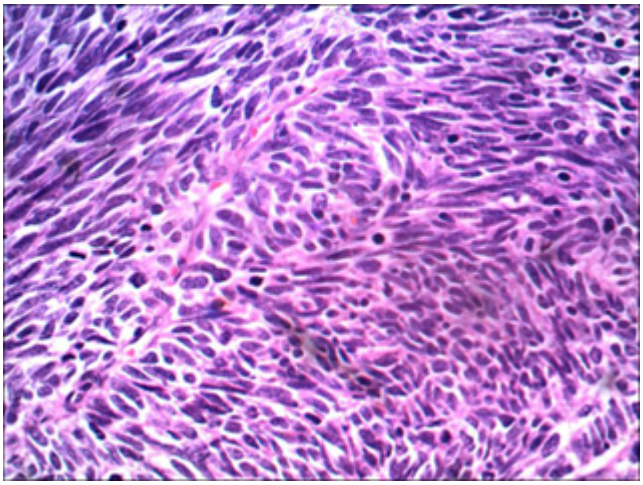


Fluorescent attachment with LED or mercury light source

Mirror

Sample Images





Technical Specifications

Model	IMB-3420	IMB-3440	IMB-3460	IMB-3480
Type	Biological Microscope			
Viewing Head	Binocular Viewing Head at 30°, 360°, Interpupillary 48-75 mm(optional: Trinocular Viewing Head)			
Optical System	Finite		Infinite	
Focusing	Coaxial Coarse and 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			
Electrical Requirement				
Catalogue No.	4406005-04	4406010-04	4406015-04	4406020-04

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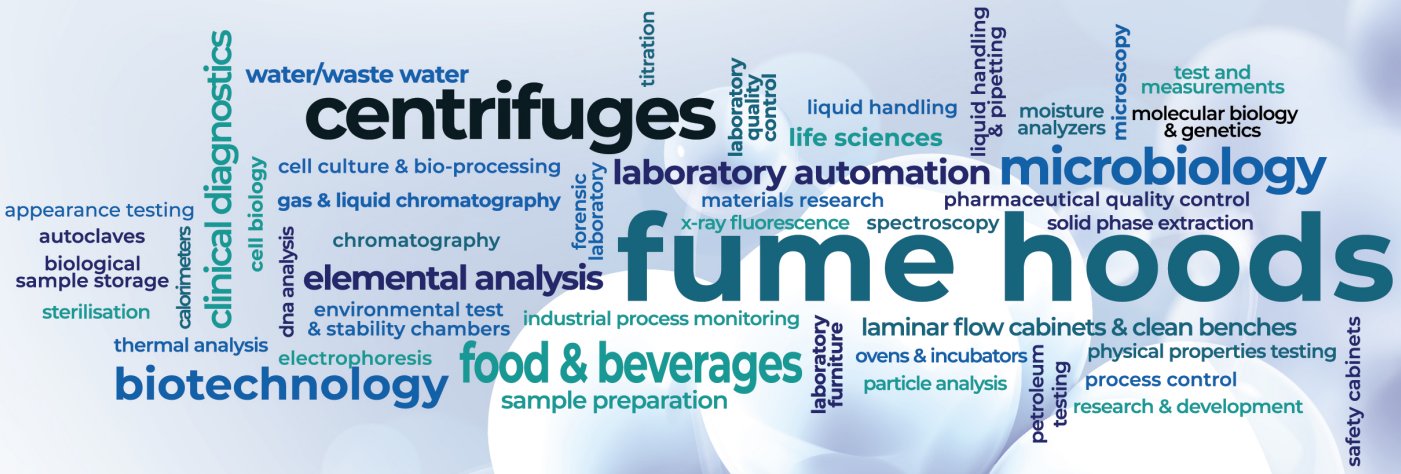

IRIS Analytical Inc.

cs@irisanalytical.com +1 706 760 4500 www.irisanalytical.com