IRIS ANALYTICAL



MICROSCOPES

cs@irisanalytical.com

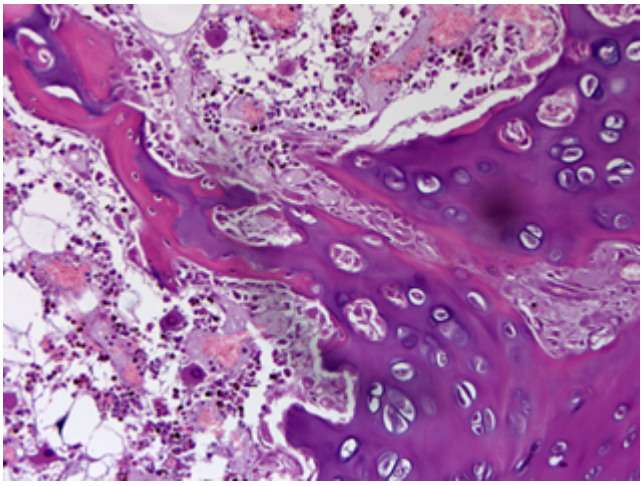
+1 706 760 4500

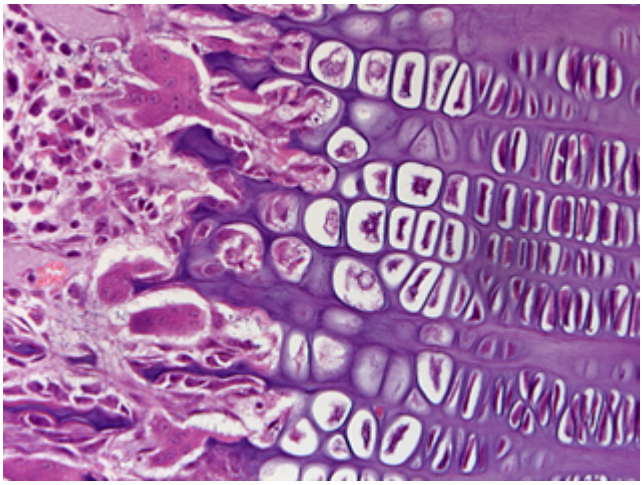
www.irisanalytical.com

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

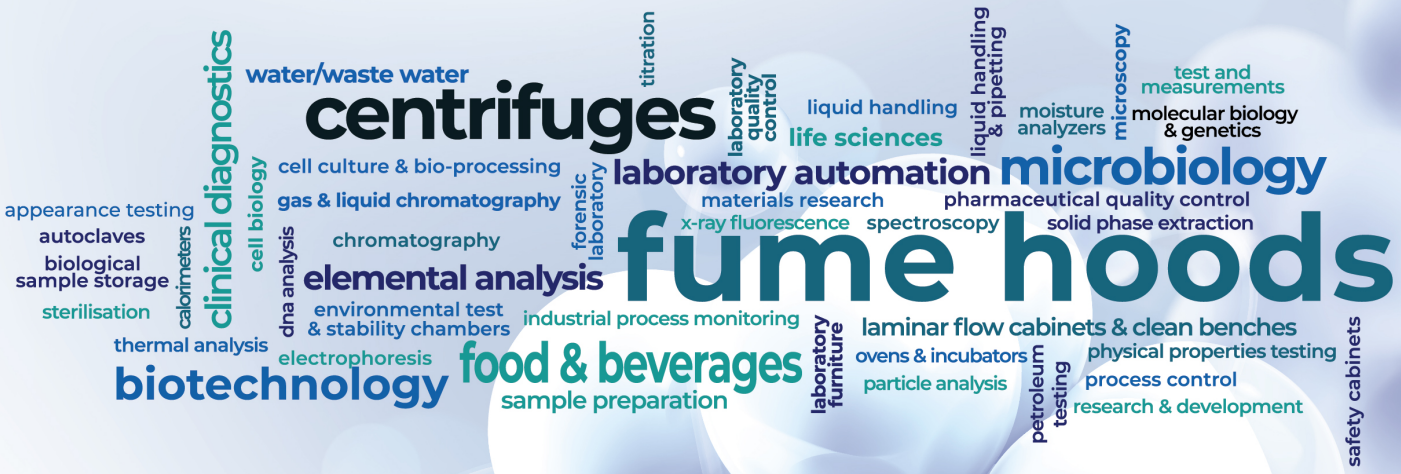




Technical Specifications

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

IRIS ANALYTICAL



IRIS Analytical Inc.

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