



MICROSCOPES



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Educational Biological Microscope IMB-1300 Series is an economical microscope with all basic features for educational use in elementary and middle schools. The 1W 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 triple, 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 and sliding binocular viewing head has excellent achromatic 4X, 10X, 40X(S) objectives and each eye tube has interpupillary adjustment. Features with triple and 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 NA 1.2 with Iris Diaphragm and Pinion adjustment for a condenser that are concentrated 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 a plain stage with sliding clips of length 110×120 mm and also provide an attachable mechanical stage to facilitates sample observations of length 110×120 mm or 60×30 mm or 70×20 mm as an optional accessories
- Mirror and 1W LED Illumination light source
- Equipped with different filters including blue filters
- Excellent wide field technology
- Monocular 45° inclined and a 360° rotatable head and sliding binocular 45° inclined and a 360° rotatable head with interpupillary distance 55 to 75 mm
- Small footprint and lightweight
- Easy operating with ergonomic design
- Excellent image quality with an infinite and finite optical system
- Accessories power adapter, microscope input voltage 5V

Technical Specifications

Model	IMB-1303	IMB-1306		IMB-1309			IMB-1312	
Type	Educational Biological Microscope							
Viewing Head	Monocular, Inclined at 45°, 360° Rotatable						Sliding Binocular Head, Inclined at 45° 360° Rotatable, 55-75mm	
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10mm							
Nosepiece	Triple						Quadruple	
Objective	Achromatic Objective 4X, 10X, 40X(S)(optional: 20X, 60X)						Achromatic Objective 4X, 10X, 40X(S), 100X(optional: 20X, 60X)	
Stage	Plain Stage with Slide Clips 110×120 mm		Plain Stage Mechanical ruler 110×120 mm/ 60×30 mm		Double Layers Mechanical Stage 110×120 mm/ 70×20 mm			
Light Source	1W LED Illumination							
Condensers	Single Lens NA 0.65 with Iris Diaphragm		Single Lens NA 0.65 with Iris Diaphragm Spiral Adjustment		Abbe NA 1.2 with Iris Diaphragm Rack and Pinion Adjustment for Condenser			
Mirror	yes							
Filter	-		Blue Filter					
Packing Dimension	280×200×400 mm							
Packing Weight	4kg							
Electrical Requirement	AC100V power adapter, 5V	220V power adapter, 5V	AC100V power adapter, 5V	220V power adapter, 5V	AC100V power adapter, 5V	220V power adapter, 5V	AC100V power adapter, 5V	220V power adapter, 5V
Catalogue No.	440100501	440100502	440101001	440101002	440101501	440101502	440102001	440102002

