Educational Biological Microscope IMB-1312(100V)



Educational Biological Microscope IMB-1312 is 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 model 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 holds multiple lenses, and foundbetween 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 condenser that areconcentrates 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.

Technical Specification:

Model	IMB-1312
Type	Educational Biological Microscope
Viewing Head	Sliding Binocular Head, Inclined at 45°, 360° Rotatable, 55-75mm
Nosepiece	Quadruple
Objective	Achromatic Objective 4X, 10X, 40X(S), 100X(optional: 20X, 60X)
Stage	Double Layers Mechanical Stage 110×120 mm/ 70×20 mm
Light Source	1W LED Illumination
Condenser	Abbe NA 1.2 with Iris Diaphragm Rack and Pinion Adjustment for Condenser
Filter	Blue Filter
Dimensions	280×200×400 mm
Net Weight	4kg
Electrical Requirement	100V
Catalogue No.	440102001

Technical Data:

Model	IMB-1303	IMB-1306	IMB-1309	IMB-1312
Type				
Magnification				
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			
Eyepiece				
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		
Certification				
Quantity				
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



Iris Analytical Ltd.

66 W Flagler St #900 Miami, Florida 33130 United States