

# **Educational Biological Microscope IMB(1306/100V)**



Educational Biological Microscope IMB-1306 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 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 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.

## Technical Specification:

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Model                  | IMB-1306                                                  |
| Type                   | Educational Biological Microscope                         |
| Viewing Head           | Monocular, Inclined at 45°, 360° Rotatable                |
| Nosepiece              | Triple                                                    |
| Objective              | Achromatic Objective 4X, 10X, 40X(S)                      |
| Stage                  | Plain Stage Mechanical ruler 110×120 mm/ 60×30 mm         |
| Light Source           | 1W LED Illumination                                       |
| Condenser              | Single Lens NA 0.65 with Iris Diaphragm Spiral Adjustment |
| Filter                 | Blue Filter                                               |
| Dimensions             | 280×200×400 mm                                            |
| Net Weight             | 4kg                                                       |
| Electrical Requirement | 100                                                       |
| Catalogue No.          | 440101001                                                 |

## 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              |



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