Monocular Biological Microscope

Model **MSBME500ESWISS** | Brand **Master Science** | Unit **Pc**



Biological Microscope

MSBME500ESWISS Economical Monocular Biological Microscope: Features: 1. Viewing Head: Compensation-free binocular head, inclined at 30° and 360° rotatable for flexible viewing from various angles. 2. Achromatic Objectives: Equipped with 4X, 10X, 40X(Spring), and 100X(Spring, Oil) objectives for clear magnification and high-quality imaging. 3. Eyepiece: Wide field WF10X eyepiece for broad viewing, with an optional WF16X eyepiece available. 4.

KEY HIGHLIGHTS

- Viewing Head
- Achromatic Objectives
- Stage
- Illumination
- Additional Notes

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Key Features

Viewing Head
Compensation-free binocular head, inclined at 30° and 360° rotatable for flexible viewing from various angles.

Achromatic Objectives
Equipped with 4X, 10X, 40X(Spring), and 100X(Spring, Oil) objectives for clear magnification and high-quality imaging.

Stage
Double-layer mechanical stage with a size of 120×125 mm, allowing smooth movement and accurate positioning of samples.

Illumination
LED display for efficient and bright lighting to enhance visibility during observation.

Additional Notes
The trinocular microscope option allows for the installation of a camera and screen for advanced applications such as image capturing and digital observation. The LED lamp can be powered using either 110V or 220V depending on the requirement. This economical monocular biological microscope is an excellent choice for educational institutions and laboratories looking for cost-effective and reliable microscopy. The option for digital integration with the trinocular variant adds value for advanced imaging and documentation.

Technical Specifications

PARAMETER	SPECIFICATION
Viewing HeadCompensation-free binocular head inclined at 30°, 360° rotatable.	
Achromatic Objectives4X, 10X, 40X(Spring), 100X(Spring, Oil).	
EyepieceWide field eyepiece WF10X, with an optional WF16X.	
StageDouble-layer mechanical stage, size 120×125 mm.	
Power SupplyAC220V±10%, 50/60Hz.	
EyepieceWide field WF10X eyepiece for broad viewing, with an optional WF16X eyepiece available.	
FocusingCoaxial coarse and fine adjustments, with a focusing range of 30 mm and focusing interval of 0.002 mm for precise focus control.	
CondenserAbbe condenser with NA=1.25, featuring an iris diaphragm and filter for precise light control.	
Illumination1W LED lamp for general lighting, with an option for a more powerful 3W LED lamp. Supports 220V or 110V power inputs.	