Monocular 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. **Stage**: Double-layer mechanical stage with a size of 120×125 mm, allowing smooth movement and accurate positioning of samples.
5. **Illumination**: LED display for efficient and bright lighting to enhance visibility during observation.

Technical Specifications:

MASTER SCIENCE, Dinkelbergstrasse 14, 4127 Birsfelden, Switzerland
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- **Model**: MSBME500ESWISS
- **Viewing Head**: Compensation-free binocular head inclined at 30°, 360° rotatable.
- **Achromatic Objectives**: 4X, 10X, 40X(Spring), 100X(Spring, Oil).
- **Eyepiece**: Wide field eyepiece WF10X, with an optional WF16X.
- **Stage**: Double-layer mechanical stage, size 120×125 mm.
- **Focusing**: Coaxial coarse and fine adjustments, with a focusing range of 30 mm and focusing interval of 0.002 mm for precise focus control.
- **Condenser**: Abbe condenser with NA=1.25, featuring an iris diaphragm and filter for precise light control.
- **Illumination**: 1W LED lamp for general lighting, with an option for a more powerful 3W LED lamp. Supports 220V or 110V power inputs.
- **Power Supply**: AC220V±10%, 50/60Hz.

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.

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