Monocular Teaching Microscope - Student Biological Microscope - 4X-100X Achromatic - LED Light

Model **MSMSC-T08SWISS** | Brand **Master Science**





The Master Science Monocular Teaching Microscope is a simple, sturdy biological microscope for students who are learning to prepare and examine slides. It combines a finite optical system with a monocular viewing tube and four achromatic objectives from 4X to 100X, giving enough range for plant tissue, protozoa and stained blood smears.

KEY HIGHLIGHTS

- Easy for beginners
- Four magnifications
- Even, cool lighting
- Controlled slide movement

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

An adjustable LED lamp and an Abbe condenser with N.A. 1.25 provide clear, even lighting, while the double-layer mechanical stage lets students move the slide in controlled steps. The Master Science Monocular Teaching Microscope is a practical choice for equipping a full classroom.

If your students need binocular viewing, the binocular teaching microscope offers the same optics with a Siedentopf head.

Teachers equipping a classroom look for microscopes that are simple, affordable to run and reliable. The Master Science Monocular Teaching Microscope helps with:

Key Benefits

Easy for beginners
A single eyepiece is simple to use and lets the teacher check exactly what each student sees.

Four magnifications
Objectives from 4X to 100X cover everything from locating a specimen to oil-immersion viewing.

Even, cool lighting
The adjustable LED provides consistent brightness without warming the slide.

Controlled slide movement
The double-layer stage moves the specimen smoothly in two directions.

Technical Specifications

GENERAL	
General	Main technical data of the Master Science Monocular Teaching Microscope:
Brand	Master Science
Model Number	MSMSC-T08SWISS
SKU	MSMSC-T08SWISS
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SKU	MSMSC-T08SWISS
Viewing Head	Monocular tube
Eyepiece	WF10X (WF16X optional)
Objectives	Achromatic 4X, 10X, 40X, 100X
Nosepiece	Quadruple nosepiece
Stage	Double-layer mechanical stage, 105 × 115 mm, travel range 60 × 20 mm
Condenser	Abbe condenser, N.A. 1.25
Illumination	LED, brightness adjustable
Power Supply	100-240 V AC, 50/60 Hz

OPTICAL PERFORMANCE	
Optical System	Finite distance optical system
Optical Coating	Transmittance ≥ 95%

DIMENSIONS & WEIGHT	
Package Size (W × D × H)	340 × 240 × 470 mm

PROBLEMS THE MASTER SCIENCE MONOCULAR TEACHING MICROSCOPE SOLVES	
Complicated set-up	A monocular head and clear controls let students start observing quickly.
Uneven or hot lighting	The adjustable LED gives steady brightness and stays cool.
Limited magnification	Four achromatic objectives up to 100X handle most school specimens.
Slides slipping on the stage	The mechanical stage holds and moves the slide precisely.

Applications

The Master Science Monocular Teaching Microscope is suited to: Primary and secondary school science labs College biology practicals Basic cytology and histology teaching Observation of plant and animal tissue slides Science clubs and training centres

Optics

- Finite distance optical system
- Coated optics with transmittance of 95% or more
- Achromatic objectives 4X, 10X, 40X and 100X
- Quadruple nosepiece

Stage and Condenser

- Double-layer mechanical stage, 105 × 115 mm
- Travel range 60 × 20 mm
- Abbe condenser with N.A. 1.25

Illumination and Power

- LED light source with adjustable brightness
- Works on 100-240 V AC, 50/60 Hz

Standard Accessories Included

- Monocular microscope body
- WF10X eyepiece
- Achromatic objectives 4X, 10X, 40X, 100X
- Abbe condenser
- LED illumination with power supply

Optional Accessories

- WF16X eyepiece
- Immersion oil
- Dust cover
- Prepared slide sets