Trinocular Biological Microscope - Infinity Plan Microscope - 40X-1000X - LED Köhler

Model **MSMSC-B31MSWISS** | Brand **Master Science**





The Master Science Trinocular Biological Microscope uses an infinity-corrected optical system with plan achromatic objectives and LED Köhler illumination for clear, evenly lit images in brightfield. It can be upgraded for darkfield and phase contrast, and a trinocular port accepts a digital camera for imaging and teaching.

KEY HIGHLIGHTS

- Sharp, flat images
- Even lighting
- Comfort for long sessions
- Ready for imaging
- Upgradeable

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

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Overview

Wide-field 22 mm high-eyepoint eyepieces, a low-position coaxial focus and a compact, easy-to-carry stand make long observation sessions comfortable in clinical, research and classroom settings.

Key Benefits

Sharp, flat images
infinity plan achromatic optics give detail from edge to edge.

Even lighting
LED Köhler illumination removes glare and hot spots.

Comfort for long sessions
the Master Science Trinocular Biological Microscope has low-position focus and high-eyepoint eyepieces suitable for glasses wearers.

Ready for imaging
the trinocular port connects a camera for documentation and teaching.

Upgradeable
add phase contrast or darkfield as needs grow.

Browse other lab optics in the Master Science laboratory instrument range.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSMSC-B31MSWISS
SKU	MSMSC-B31MSWISS
Viewing Head	Siedentopf trinocular, 30° inclined, light split 100:0 / 0:100
Interpupillary Distance	53 to 75 mm
Eyepieces	WF10X / 22 mm, high eyepoint
Objectives	Infinity plan achromatic 4X, 10X, 40X, 100X (20X optional)
Total Magnification	40X to 1000X
Nosepiece	Inward quadruple
Stage	Double-layer mechanical, 210 × 140 mm, travel 76 × 50 mm
Focusing	Coaxial coarse and fine with lock and limit; fine division 2 µm; range 24 mm
Condenser	Abbe NA 1.25
Illumination	LED, adjustable, Köhler
Camera Port	1X C-mount adapter (camera not included)
Options	Phase contrast objectives and turret condenser; darkfield condenser
Optical System	Infinity-corrected

DIMENSIONS & WEIGHT	
Dimensions (L × W × H)	400 × 210 × 425 mm

COMMON LABORATORY PROBLEMS AND HOW THIS MICROSCOPE HELPS	
Common Laboratory Problems and How This Microscope Helps	How the Master Science Trinocular Biological Microscope improves daily microscopy:
Eye strain during long work	wide-field, high-eyepoint eyepieces reduce fatigue.
Uneven brightness	Köhler LED lighting gives a uniform field.
No way to share images	the camera port supports live display and capture.
Hand fatigue	low-position controls keep arms relaxed.
Need for contrast methods later	phase and darkfield upgrades are available.

The Master Science Trinocular Biological Microscope is used in

- **Clinical and pathology laboratories**
- **Microbiology and cell biology**
- **Schools, colleges and universities**
- **Veterinary and agricultural labs**
- **Water and food microbiology**

Optics

- Infinity plan achromatic objectives
- 22 mm wide-field eyepieces
- Siedentopf trinocular head

Illumination

- Long-life LED source
- Köhler illumination
- Abbe NA 1.25 condenser

Mechanics

- Low-position coaxial focus with 2 µm division
- Double-layer mechanical stage
- Carry handle and compact storage

Optional Accessories

- Infinity plan 20X objective
- Phase contrast objectives 10X/20X/40X/100X PH
- Phase contrast turret condenser
- Darkfield condenser
- Digital camera