Binocular Biological Microscope - Siedentopf Head Lab Microscope - 40X to 1000X - LED

Model **MSMSC-B208SWISS** | Brand **Master Science**







The Master Science Binocular Biological Microscope is a compound microscope for routine slide work in teaching, clinical and research laboratories. Its Siedentopf binocular head is inclined at 30° and adjusts for interpupillary distances from 55 to 75 mm, so users of different heights can view comfortably.

KEY HIGHLIGHTS

- Comfortable viewing
- Bright, cool light
- Precise focusing
- Room to grow
- Bright transmission

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

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Overview

Standard achromatic objectives cover 4X to 100X, giving 40X to 1000X total magnification with WF10X eyepieces. A 3 W LED with adjustable brightness lights the specimen through an Abbe NA1.25 condenser.

Specifications of the Master Science Binocular Biological Microscope (standard configuration; * marks options):

Key Benefits

Comfortable viewing
the Master Science Binocular Biological Microscope has a Siedentopf head at 30°.

Bright, cool light
3 W LED with long life and adjustable brightness.

Precise focusing
fine focus graduations of 0.002 mm.

Room to grow
phase contrast, dark field and infinity optics as options.

Bright transmission
optical coating with ≥ 95 % transmittance.

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Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSMSC-B208SWISS
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Viewing Head	Siedentopf binocular, inclined 30°, interpupillary 55 to 75 mm
Eyepieces	WF10X/18 mm (*WF10X/20 mm)
Objectives	Achromatic 4X, 10X, 40X, 100X (*20X; *plan achromatic, plan phase or infinity plan achromatic)
Nosepiece	Quadruple (*quintuple)
Stage	Double-layer mechanical stage 140 × 135 mm, travel 75 × 50 mm (*heating module)
Condenser	Abbe NA1.25 with iris diaphragm and filter
Focusing	Coaxial coarse and fine; fine division 0.002 mm; coarse 37.7 mm per turn; fine 0.2 mm per turn; range 22 mm
Illumination	3 W LED, adjustable (*6 V 20 W halogen)

OPTICAL PERFORMANCE

Optical System	Finite (*infinity optical system)
Optical Coating	Transmittance ≥ 95 %
Hot halogen lamps	LED illumination.

POWER

Power Supply	100 to 240 V AC, 50/60 Hz
Losing focus at high power	fine focus with 0.002 mm steps.

DIMENSIONS & WEIGHT

Package Dimensions	370 × 260 × 490 mm
Gross Weight	6.5 kg

COMMON LABORATORY PROBLEMS AND HOW THIS MICROSCOPE HELPS

Common Laboratory Problems and How This Microscope Helps	How the Master Science Binocular Biological Microscope makes slide work easier:
Eye strain with monocular viewing	binocular Siedentopf head.
Outgrowing a basic microscope	optional phase and dark field.

Applications

The Master Science Binocular Biological Microscope is used for: Teaching laboratories Medical and clinical laboratories Biological research laboratories Routine observation of prepared slides Phase contrast and dark field work (with options)

Optics

- Siedentopf binocular head
- WF10X eyepieces
- Achromatic 4X to 100X objectives

Stage and Focus

- 140 × 135 mm mechanical stage
- Coaxial coarse and fine focus
- 22 mm focusing range

Illumination

- 3 W LED, adjustable
- Abbe NA1.25 condenser
- Iris diaphragm and filter

Optional Accessories

- Turret phase contrast kit
- Dark field attachment
- 360° rotatable viewing head
- 20X objective and quintuple nosepiece
- Plan achromatic or infinity objectives
- Halogen illumination
- Stage heating module