Semi-Apochromatic Microscope - Research Biological Microscope - 25 mm Field - Ceramic Stage

Model **MSMSC-B51NSWISS** | Brand **Master Science**







The Master Science Semi-Apochromatic Microscope is a research-grade trinocular microscope fitted with plan semi-apochromatic objectives. Their high numerical apertures give bright, high-contrast images with sharpness maintained across an ultra-wide 25 mm field of view.

KEY HIGHLIGHTS

- Higher image quality
- More of the sample in view
- Consistent brightness
- Durable stage
- Vibration-free viewing

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

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Overview

A Y-shaped butterfly frame keeps the stand stable at high magnification, and a ceramic-coated stage with low-position controls stays smooth and flat after years of intensive use.

Key Benefits

Higher image quality
semi-apochromatic objectives improve resolution, contrast and colour fidelity.

More of the sample in view
25 mm field eyepieces show a wider area.

Consistent brightness
the Master Science Semi-Apochromatic Microscope stores light settings for each objective.

Durable stage
ceramic coating resists wear and scratches.

Vibration-free viewing
the Y-shaped base adds stability at 1000X.

For entry-level work, compare with the Master Science smart biological microscope.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSMSC-B51NSWISS
SKU	MSMSC-B51NSWISS
Viewing Head	Siedentopf trinocular, 30° inclined; split 100:0, 20:80 or 0:100
Interpupillary Distance	50 to 75 mm
Eyepieces	Wide field 10X / 25 mm, high eyepoint, diopter adjustable
Objectives	Plan semi-apochromatic 4X, 10X, 40X, 100X (20X optional)
Nosepiece	Inward coded quintuple
Stage	Ceramic-coated, travel 80 × 50 mm, precision 0.1 mm
Focusing	Coaxial coarse and fine; 25 mm stroke; coarse upper limit and tension adjustment; fine scale 1 µm
Condenser	Abbe N.A. 1.1, Köhler illumination
Illumination	Warm white LED with per-objective light intensity manager
Camera Port	1X C-mount adapter (camera not included)
Optical System	Infinity-corrected

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	362 × 274.5 × 500 mm

COMMON LABORATORY PROBLEMS AND HOW THIS MICROSCOPE HELPS

Common Laboratory Problems and How This Microscope Helps	How the Master Science Semi-Apochromatic Microscope supports demanding microscopy:
Colour fringes and soft edges	semi-apochromatic correction sharpens the full field.
Readjusting light constantly	the intensity manager remembers each objective.
Worn stage surfaces	ceramic coating stays flat and smooth.
Arm fatigue	low-position controls let hands rest on the bench.
Image sharing	a dedicated camera port supports documentation.

The Master Science Semi-Apochromatic Microscope is used in

- **Pathology and haematology**
- **Cell and tissue research**
- **Microbiology and parasitology**
- **Teaching hospitals and universities**
- **Image documentation with digital cameras**

Optics

- Plan semi-apochromatic objectives
- 25 mm wide-field eyepieces
- Three-position beam splitter for camera

Mechanics

- Butterfly frame with Y-shaped base
- Ceramic-coated stage with low-position controls
- 1 µm fine focus with tension adjustment

Illumination

- Warm white LED
- Light intensity manager with coded nosepiece
- Köhler illumination

Optional Accessories

- Phase contrast objectives 10X/20X/40X/100X PH
- Phase contrast turret condenser and centering telescope
- Darkfield condenser
- 10X/23 mm eyepieces
- Plan fluor objectives 4X to 100X
- Coded sextuple nosepiece
- 0.5X camera adapter