Infinity Biological Microscope - Plan Achromatic Lab Microscope - 40X-1000X - Kohler LED

Model **MSMSC-B400WSWISS** | Brand **Master Science**





The Master Science Infinity Biological Microscope uses an infinity-corrected (UIS) optical system with plan achromatic objectives, giving flat, sharp images across the field with good colour rendering. The infinity design also allows epi-illumination and fluorescence attachments to be added later.

KEY HIGHLIGHTS

- Flat, sharp images
- Even lighting
- Choose the light colour
- Expandable
- Comfortable viewing

Request a Quotation
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Overview

A Siedentopf binocular head tilted at 30° rotates through 360°, and Kohler illumination from a two-colour LED (yellow or white light) provides even, adjustable lighting for 40X to 1000X work.

Key Benefits

Flat, sharp images
the Master Science Infinity Biological Microscope uses plan achromatic optics.

Even lighting
Kohler illumination.

Choose the light colour
switch between yellow and white LED.

Expandable
infinity optics accept fluorescence and epi-illumination add-ons.

Comfortable viewing
30° head rotating through 360°.

For a basic model, see the Master Science binocular biological microscope.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSMSC-B400WSWISS
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Viewing Head	Siedentopf binocular, 30° tilt, 360° rotation, interpupillary 55 to 75 mm
Eyepieces	Plan field 10X, field number 22 mm
Objectives	Infinity plan achromatic 4X, 10X, 40X, 100X (oil)
Magnification	40X to 1000X
Nosepiece	Quadruple
Stage	Double-layer mechanical, 140 × 160 mm, travel 76 × 45 mm, 0.1 mm scale
Focusing	30 mm coaxial coarse and fine, fine scale 0.002 mm, upper limit stop and tension adjustment
Condenser	Abbe NA1.25 with iris diaphragm (dark field optional)
Filters	Blue, green
Illumination	Two-colour LED (yellow/white), Kohler, adjustable brightness
Optical System	Infinity (UIS)

COMMON LABORATORY PROBLEMS AND HOW THIS MICROSCOPE HELPS

Common Laboratory Problems and How This Microscope Helps	How the Master Science Infinity Biological Microscope improves slide observation:
Blurred image edges	plan achromatic objectives.
Uneven brightness	Kohler illumination.
Microscope cannot be upgraded	infinity optical system.
Specimen colours look wrong	switchable yellow or white light.

Applications

The Master Science Infinity Biological Microscope is used for: Research and university laboratories Medical and clinical slide work Teaching at advanced level Fluorescence work with optional attachments Dark field observation (optional condenser)

Optics

- Infinity plan achromatic objectives
- 10X/22 mm plan eyepieces
- 40X to 1000X

Illumination

- Kohler LED lighting
- Yellow and white light switch
- Blue and green filters

Mechanics

- 140 × 160 mm stage
- 30 mm coaxial focusing with limit
- Coarse tension adjustment

Optional Accessories

- Dark field condenser
- Vertical (epi) illumination device
- Fluorescence attachment