# 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**
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

## 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 |
| SKU | MSMSC-B400WSWISS |
| Brand | Master Science |
| Model Number | MSMSC-B400WSWISS |
| SKU | MSMSC-B400WSWISS |
| 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