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Inverted Biological Microscope

LIBM-B10



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Inverted biological microscope LIBM-B10 with siedentopf type trinocular head, works in combination with digital camera & PC attachment without affecting its binocular observations. Equipped with phase-contrast slides for an easy switch between 10X, 20X, 40X phase contrast & bright field observation. The inverted stage of this microscope comes with low positioned coaxial flexible adjusting handle for an ease of operations.

Features

- Infinite plan optical system
- Siedentopf type trinocular head
- Plan achromatic & plan achromatic positive phase contrast objectives
- 45 mm Extreme long working distance condenser
- Blue, Green & ground glass filters with 34 mm diameter

Applications

Used for applications in animal & plant tissue culture laboratory, fish laboratory, plant laboratory, poultry laboratory.

Specifications

Model no.	LIBM-B10
Viewing head	Siedentopf type trinocular head, inclined at 45°, interpupillary distance 52 to 75 mm, diopter adjustment
Eyepiece	WF10X/20, high eye-point up to 21 mm Reticule eyepiece: CROSSWF10X/20, high eye-point up to 21 mm
Objective	Plan Achromatic 10X/0.25 WD=9.67 mm Plan Achromatic 20X/0.40 WD=7.97 mm Plan Achromatic 40X/0.60 WD=3.76 mm Plan achromatic positive phase contrast 20X/0.40 WD=7.97 mm
Nosepiece	Quintuple, inward facing
Optical system	Infinite plan optical system, F=200 mm
Condenser	72 mm extreme long working distance condenser (ELWD), N.A. 0.3 with iris diaphragm
Centering telescope eyepiece	30 mm
Stage	Fixed stage: 240×260 mm, low-position co-axial flexible adjusting handle, Moving range: 135×85 mm
	Slide plate 118 mm, replaceable
	Slide plate 76×26 mm, 60 mm replaceable
Illumination	6 V/30W Osram halogen lamp, External power, wide voltage (100V to 240 V), Fuse tube 250 V/3.15 A
Filter	Blue, green, yellow with 34 mm diameter
C-mount	0.5X
Allen screw driver	2.5 mm diameter
Dimension	650×430×610 mm
Gross weight	22 kg

Optional accessories

- Mechanical stage: 350×208 mm, Moving range: 50×50 mm, low-position co-axial flexible adjusting handle
- C-mount 1X, 0.25X (fit 1/3 CCD)
- Plan Achromatic 4X/0.13 WD=12.86 mm objective
- Plan achromatic positive phase contrast 10X/0.25 WD=9.67 mm objective
- Plan achromatic positive phase contrast 40X/0.60 WD=3.76 mm objective
- Plan achromatic negative phase contrast 10X/0.25 WD=9.67 mm objective
- Plan achromatic negative phase contrast 20X/0.40 WD=7.97 mm objective
- Plan achromatic negative phase contrast 40X/0.60 WD=3.76 mm objective
- WF10X/22, high eye-point up to 21 mm
- WF16X/14 mm
- WF10X/20 (pointer), high eye-point up to 21 mm
- WF10X/22 (pointer), high eye-point up to 21 mm
- Reticule eyepiece: CROSSWF10X/22, high eye-point up to 21 mm
- Allen screw driver 2 mm, 3 mm