

TRINOCULAR MICROSCOPE ACHROMATIC OBJECTIVES WITH TABLET 9.5"

REF: BM33BL1



Description

This **BM33BL1 series microscope** with siedentopf binocular (monocular, trinocular available) is ideal for use at the senior high school and college level, or for use in veterinary and medical applications. The adjustable inter-pupillary distance ranges from **55mm to 75mm**, and it offers four levels of magnification, ranging from **40x to 1000x**.

Standard DIN achromatic objectives are parfocaled, parcentered, and color-coded to provide sharp, color-corrected images. The coaxial coarse and fine focusing knobs are positioned low on the bracket, near the base, making certain that adjustments are made with maximum stability and minimum strain.

The ball-bearing driven, reversed nosepiece with internal click-stops, guarantee parcentration and repeatability with every magnification change. The double layer built-in mechanical stage with a low-positioned control knob, allows for smooth and comfortable specimen movement.

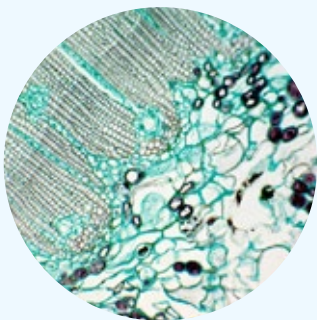
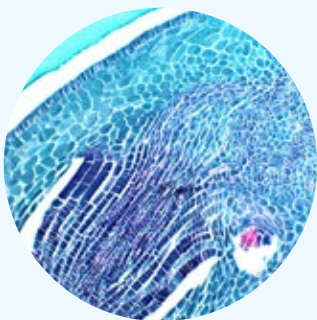
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Product Details

Bright Field Observation

New achromatic objective supply the sharp image after adjusting Iris diaphragm. You can get high resolution and contrast ratio image at low or high magnification. 1W Single LED illuminator supplies bright background. (Plan Achromatic Objectives are optional)



High-powered single LED cold light illuminator

It maintains constant color temperature and closes to sun light. It can apply bright white back-ground. The illuminator supplies stable brightness and temperature difference never occurred even long time worked. Comparing with halogen lamp, LED has lower power dissipation. Brightness is adjustable freely by the rotatable key at lower left side.



Eyepiece Tube

Seidentopf Binocular Head, Inclined at 30°, Interpupillary distance is adjustable from 55mm to 75mm. The right eyepiece tube is ± 5 diopter adjustable.



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Product Details

Stage and Focusing

Double Layers Mechanical Stage 125X125mm/60x40mm.

Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 14mm per rotation.



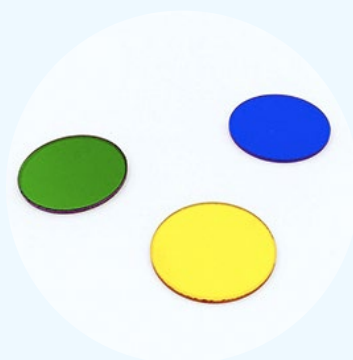
Objectives & Condenser

With quadruple nosepiece, it is equipped with 45mm DIN Achromatic

Objectives : 4X, 10X, 40X(S), 100X(S, Oil) (Plan Achromatic Objectives 4X, 10X, 40X, 100X are optional). NA 1.25 Abbe Condenser with Iris Diaphragm is able to acquire light brighter.



Green, Blue, Yellow filters is included



5ml oil immersion is included



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Technical specifications

Parameters	Description
Viewing head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 55-75mm, 360° Rotation
Nosepiece	Quadruple revolving nosepiece
Eyepiece	Wide Field Eyepiece WF10X/18
Objectives	Achromatic DIN objective 4x/0.10, 10x/0.25, 40x/0.65 (S), 100x/1.25 (S, Oil)
Stage	Double Layer Mechanical Stage Size 125x125mm/60x40mm
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 20mm
Condenser	NA 1.25 Abbe Condenser with Iris Diaphragm
Illumination	LED illumination for long life, brightness adjustable
Supplied with	Dust cover, spare fuse, blue, green and yellow filters

Options

Cat. number	Descriptions	Cat. number	Descriptions
M11091001	Eyepiece P16x	M11091008	Plan Achromatic objective 10x
M11091002	Eyepiece WF10x with micrometer	M11091009	Plan Achromatic objective 20x
M11091003	Semi-Plan Achromatic objective 4x	M11091010	Plan Achromatic objective 40x
M11091004	Semi-Plan Achromatic objective 10x	M11091011	Plan Achromatic objective 100x
M11091005	Semi-Plan Achromatic objective 40x	M11091012	8" LCD monitor that adapted to trinocular head
M11091006	Semi-Plan Achromatic objective 100x	M11091013	1X C mount
M11091007	Plan Achromatic objective 4x	M11091014	Plan Achromatic objective 4x

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Tablet Technical specifications

Parameters	Description
Ports	1 USB 2.0 port to connect a USB flash drive/mouse
	1 USB2.0 port to connect a mouse
	1 USB2.0 port to connect to a computer
	-1 HDMI port to connect a display monitor
Video resolution	1920x1080 at 30 FPS. Integrated with S-EYE imaging software
Image resolution	1920x1080 at 60 FPS
Exposure	Automatic and manual, with brightness adjustments
Exposure time	0-999MS
White balance	Automatic, Manual and ROI mode
Monitor dimensions	241.6x165.20x8.8mm; Weight: 0.7kg
Power	DC12V