

# BioBlue.Lab

## HIGHLIGHTS

- WF 10x/20 mm eyepieces
- Binocular and trinocular models
- Reversed quadruple nosepiece
- Plan and plan IOS objectives
- Finitiy and infinity optical system
- Integrated mechanical stage
- NeoLED™ illumination
- Ergonomic carrying grip
- 10 years warranty

## TECHNICAL SPECIFICATIONS

### EYEPIECES

Wide field WF 10x/20 mm eyepieces

Wide field WF 10x/18 mm eyepieces on digital model

### HEAD

- Binocular and trinocular models have 30° inclined Ø 30 mm tubes
- The interpupillary distance is adjustable between 48 to 75 mm
- All models have a ±5 diopter adjustment on left tube
- All heads are 360° rotatable and secured with a screw
- The trinocular head has a fixed light path beamsplitter (50:50) and generates an erect image

### NOSEPIECE

Reversed quadruple nosepiece on ball bearings. Slot for analyzer (BB.9602)

### OBJECTIVES - 45 MM PARFOCAL

- BioBlue.Lab microscopes are equipped with plan and plan IOS objectives
- Optional 20x/0.40 and S60x/0.85 objectives are also available
- The S40x, S60x and S100x objectives are spring loaded

*All optics are anti-fungus treated and anti-reflection coated for maximum light throughput*

### FOCUSING

- Coaxial coarse and fine adjustments with 200 graduations
- Precision 1.5 µm per graduation, 0.3 mm per rotation
- Total travel approximately 28 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustments are equipped with friction control

### STAGE

Rackless 150 x 140 mm stage with mechanical 75 x 30 mm X-Y translation stage



● BB.1152-PLi

#### BB.1152-PLi

377 (h) x 205 (w) x 260 mm (d) | 5.4 kg

#### BB.1153-PLi

448 (h) x 205 (w) x 260 mm (d) | 5.6 kg

### CONDENSER

- Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder. Supplied with white filter
- Height adjustable Zernike phase contrast kit with PLPHi IOS objectives and rotating phase contrast disc with four annuli, centering telescope and green filter

### ILLUMINATION



- Binocular and trinocular models are supplied with an adjustable 3 W NeoLED™ illumination system for increased light output
- Power supply with integrated 100-240 Vac

### WEIGHT

The BioBlue.Lab weight is appr. 5.5 kg

### ANTI-THEFT SLOT

At the back of the microscope a Kensington Security Slot is placed, which can be used to secure the instrument from theft

### PACKAGING

- Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil and white filter
- All packed in a polystyrene box



APL (ANTIMICROBIAL PROTECTION LAYER)

APL is a revolutionary paint treatment applied to the most critical parts of our products. A microscope with APL will restrict the growth of micro-organisms, including bacteria and mold

MODELS	Bino	Trino	4x/10x/540x/5100x plan objectives	4x/10x/540x/5100x plan IOS objectives	10x/20x/540x/5100x plan phase IOS objectives	Rackless mechanical stage	NeoLED
BB.1152-PL	•		•			•	•
BB.1153-PL		•	•			•	•
BB.1152-PLi	•			•		•	•
BB.1153-PLi		•		•		•	•
BB.1152-PLPHi	•				•	•	•
BB.1153-PLPHi		•			•	•	•



● BB.1153-PLi

BB.1153-PLPHi ●

## ACCESSORIES AND SPARE PARTS

### EYEPIECES

- BB.6010** Wide field eyepiece WF10x/20 mm, Ø 30mm tube
- BB.6015** Wide field eyepiece WF15x/15 mm, Ø 30mm tube
- BB.6020** Wide field eyepiece WF20x/11 mm, Ø 30mm tube
- BB.6110** Wide field micrometer eyepiece WF10x/20 mm with focusable lens, Ø 30mm tube
- BB.6099** Pair of eyecups

### OBJECTIVES

#### *Plan PL, 45 mm parfocal*

- BB.8804** 4x/0.10 PL objective. WD 17.92 mm
- BB.8810** 10x/0.25 PL objective. WD 2.04 mm
- BB.8820** 20x/0.40 PL objective. WD 1.2 mm
- BB.8840** S40x/0.65 PL objective. WD 0.65 mm
- BB.8860** S60x/0.80 PL objective. WD 0.19 mm
- BB.8800** S100x/1.25 PL oil immersion objective. WD 0.18 mm

#### *Plan infinity corrected PLi, IOS 45 mm parfocal*

- BB.7204** 4x/0.10 PLi objective. WD 7.18 mm
- BB.7210** 10x/0.25 PLi objective. WD 4.8 mm
- BB.7220** 20x/0.50 PLi objective. WD 5.27 mm
- BB.7240** S40x/0.65 PLi objective. WD 0.68 mm
- BB.7260** S60x/0.80 PLi objective. WD 0.50 mm
- BB.7200** S100x/1.25 PLi oil immersion objective. WD 0.20 mm

### MISCELLANEOUS

- BB.9602** Analyzer in slider, Ø 25 mm. Fits in nosepiece
- BB.9707** White filter Ø 32 mm. Fits in filter holder
- BB.9732** Polarization filter Ø 32 mm. Fits in filter holder
- BB.9880** Köhler attachment
- BB.9900** Aluminum transportation case
- AE.9919** Nylon microscope bag (58 x 32 x 24 cm)
- AE.9916** Euromex dust cover extra large (50 x 68 cm)
- BB.9993** 1 W NeoLED™ replacement unit
- AE.5227** Glass fuses 1 A 250 V, 10 pieces

### CAMERA ACCESSORIES

- AE.5130** Universal Ø 23.2 mm tube adapter with built-in 2x lens for SLR photo camera with APS-C sensor. Needs T2 adapter
- AE.5025** T2 ring for Nikon D SLR digital camera
- AE.5040** T2 ring for Canon EOS SLR digital camera

### DISPOSABLES

- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- PB.5157-W** Microscope slides 76 x 26 mm with white frosted side, ground edges, 50 pieces
- PB.5157-B** Microscope slides 76 x 26 mm, ground edges. Blue frosted side, 50 pieces per pack
- PB.5160** Microscope slides 76 x 26 mm with cavity, grinded edges. 10 pieces per pack
- PB.5168** Cover glasses 22 x 22 mm, 0.13-0.17 mm, 100 pieces
- PB.5165** Cover glasses 18 x 18 mm, 0.13-0.17 mm, 100 pieces
- PB.5255** Immersion oil, 25 ml. Refraction index n = 1.515
- PB.5274** Iso propyl alcohol 99%, 200 ml
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5275** Cleaning kit: lens fluid, lint free lens tissue/paper, brush, air blower, cotton swabs
- PB.5276** Microscope maintenance and servicing kit, 16pcs: cleaning brush, 6 pcs screwdriver set, air blower, 3 pcs Allen key, 1.5, 2, 2.5 mm, lens cleaning fluid 20 ml, cleaning cloth 140 x 140 mm, 100 pcs Lens tissue sheets, tube of maintenance grease, 10 ml bottle of oil, packed in a nice toolbox