

BioBlue.Lab



HIGHLIGHTS

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



● BB.1152-PLi

TECHNICAL SPECIFICATIONS

EYEPIECES

Wide field WF 10x/20 mm eyepieces

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

- BioBlue.Lab microscopes are equipped with plan, plan IOS and plan phase 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

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

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

MODELS	Binocular	Trinocular	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-PLPHi ●

● BB.1153-PLi

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

- BB.8804** Plan 4x/0.10 objective
- BB.8810** Plan 10x/0.25 objective
- BB.8820** Plan 20x/0.40 objective
- BB.8840** Plan S40x/0.65 objective
- BB.8860** Plan S60x/0.80 objective
- BB.8800** Plan S100x/1.25 oil immersion objective

- BB.7204** Plan infinity corrected 4x/0.10 IOS objective
- BB.7210** Plan infinity corrected 10x/0.25 IOS objective
- BB.7220** Plan infinity corrected 20x/0.50 IOS objective
- BB.7240** Plan infinity corrected S40x/0.65 IOS objective
- BB.7260** Plan infinity corrected S60x/0.80 IOS objective
- BB.7200** Plan infinity corrected S100x/1.25 oil immersion IOS objective

- BB.7710** Plan Phase infinity corrected 10x/0.25 IOS objective
- BB.7720** Plan Phase infinity corrected 20x/0.40 IOS objective
- BB.7740** Plan Phase infinity corrected 40x/0.65 IOS objective
- BB.7700** Plan Phase infinity corrected 100x/1.25 IOS objective

- BB.8910** Plan Phase 10x/0.25 objective
- BB.8920** Plan Phase 20x/0.40 objective
- BB.8940** Plan Phase 40x/0.65 objective
- BB.8900** Plan Phase 100x/1.25 objective

MISCELLANEOUS

- BB.9126** Zernike phase contrast kit with PLPHi IOS objectives and rotating phase contrast disc with four annuli, centering telescope and green filter
- 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
- 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.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 = 1.482
- 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



● **BB.9126**