BioBlue.lab

HIGHLIGHTS

- **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.1153-PLi

TECHNICAL SPECIFICATIONS

• These ergonomic easy-to-use microscopes have specifically been designed for laboratory and university applications
• The 150 x 140 mm mechanical stage has an integrated rackless X-Y stage with 75 x 30 mm travel
• An important feature of the BioBlue.Lab is the rackless stage, which provides a smooth translation of the specimen and highly precise positioning
• This plays an integral part in most demanding cytology and histopathology applications
• The BioBlue.Lab microscope models offer great functionality and are equipped with WF10x/20 mm eyepieces, plan and IOS plan 4x/ 10x/ S40x/ S100x infinity corrected objectives
• BioBlue.Lab microscopes can also be supplied with plan phase and IOS plan phase contrast objectives 10x / 20x / S40x / S100x, which are finity or infinity corrected
• This enhancement is suitable for a wide variety of routine applications in laboratories and field microscopy

EYEPIECE(S)

• 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

NOSEPIECE

• Reversed quadruple nosepiece on ball bearings

OBJECTIVES

• BioBlue.Lab microscopes are equipped with plan, plan IOS, plan phase 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

CONDENSER

• Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder. Supplied with white filter
• Heigth adjustable Zernike N.A. 1.25 phase contrast condenser with filter holder. Supplied with 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/S40x/S100x plan objectives	4x/10x/S40x/S100x plan IOS objectives	10x/20x/S40x/S100x plan phase objective	10x/20x/S40x/S100x plan phase IOS objectives	Rackless mechanical stage	NeoLED™
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ACCESSORIES AND SPARE PARTS

BB.6010 WF 10x/20 mm eyepiece, 30 mm tube
BB.6015 WF 15x/15 mm eyepiece, 30 mm tube
BB.6110 WF 10x/20 mm eyepiece, 30 mm tube with micrometer reticle
BB.6020 WF 20x/11 mm eyepiece, 30 mm tube
BB.6099 Pair of eyecups

BB.8804 Plan DIN 4x/0.10 objective. Working distance 17.92 mm
BB.8810 Plan DIN 10x/0.25 objective. Working distance 2.04 mm
BB.8820 Plan DIN 20x/0.40 objective. Working distance 1.20 mm
BB.8840 Plan DIN S40x/0.65 objective. Working distance 0.65 mm
BB.8860 Plan DIN S60x/0.80 objective. Working distance 0.19 mm
BB.8800 Plan DIN S100x/1.25 oil immersion objective. Working distance 0.18 mm

BB.7204 Plan DIN 4x/0.10 IOS objective. Working distance 7.18 mm
BB.7210 Plan DIN 10x/0.25 IOS objective. Working distance 4.80 mm
BB.7220 Plan DIN 20x/0.40 IOS objective. Working distance 5.27 mm
BB.7240 Plan DIN S40x/0.65 IOS objective. Working distance 0.68 mm
BB.7260 Plan DIN S60x/0.85 IOS objective. Working distance 0.50 mm
BB.7200 Plan DIN S100x/1.25 oil immersion IOS objective. Working distance 0.20 mm

BB.8910 Plan phase DIN 10x/0.25 objective. Working distance 2.04 mm
BB.8920 Plan phase DIN 20x/0.40 objective. Working distance 1.20 mm
BB.8940 Plan phase DIN S40x/0.65 objective. Working distance 0.65 mm
BB.8900 Plan phase DIN S100x/1.25 oil immersion IOS objective. Working distance 0.18 mm

BB.7710 Plan phase DIN 10x/0.25 IOS objective. Working distance 4.7 mm
BB.7720 Plan phase DIN 20x/0.40 IOS objective. Working distance 1.75 mm
BB.7740 Plan phase DIN S40x/0.65 IOS objective. Working distance 0.72 mm
BB.7700 Plan phase DIN S100x/1.25 oil immersion objective. Working distance 0.50 mm

BB.9880 Köhler attachment

BB.9900 Aluminium case

BB.9993 3 W NeoLED™ replacement unit

AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
AE.5040 T2 ring for Canon EOS SLR digital camera
AE.5025 T2 ring for Nikon D SLR digital camera

BB.9732 Polarization filter, 32 mm diameter. Fits in filter holder

PB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces
PB.5165 Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces

PB.5168 Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
PB.5245 Lens cleaning paper, 100 sheets per pack
PB.5255 Immersion oil, n = 1.482 (25 ml)
PB.5274 Isopropyl alcohol 99% (200 ml)
PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs