

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.
- Height adjustable Zernike N.A. 1.25 phase contrast condenser with filter holder and is 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™
BB.1152-PL	•		•				•	•
BB.1153-PL		•	•				•	•
BB.1152-PLi	•			•			•	•
BB.1153-PLi		•		•			•	•
BB.1152-PLPH	•				•		•	•
BB.1153-PLPH		•			•		•	•
BB.1152-PLPHi	•					•	•	•
BB.1153-PLPHi		•				•	•	•



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 540x/0.65 objective. Working distance 0.65 mm
- BB.8860** Plan DIN 560x/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 540x/0.65 IOS objective. Working distance 0.68 mm
- BB.7260** Plan DIN 560x/0.80 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 540x/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 540x/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