

BioBlue.Lab

HIGHLIGHTS

- WF 10x/20 mm eyepieces
- Binocular and trinocular models
- Digital model available
- Reversed quadruple nosepiece
- Plan and plan IOS objectives
- Finity 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	Digital with tablet	4x/10x/S40x/S100x plan objectives	4x/10x/S40x/S100x plan IOS objectives	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-PLPHi	•					•	•	•
BB.1153-PLPHi		•				•	•	•
BB.1152-T			•	•			•	•



BB.1153-PLi

BB.1153-PLPHi

DIGITAL MODEL

CAMERA

- The BioBlue.Lab digital microscope is equipped with a 5.0 MP CMOS USB-2 camera
- Maximum resolution 2560 x 1920, 24 bits color depth, up to 30 frames per second (Frame rates have been determined at optimal conditions)
- Delivered with ImageFocus Plus software, USB-2 cable and a micrometer 1mm/100 slide
- Warranty for the camera is 2 years

SOFTWARE

- The ImageFocus Plus software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Images can be annotated and measurements can be performed in live or captured images
- Compatible with Windows 10 and higher, both 32 and 64 bits configurations
- Mac OS version is also available
- Updates can be downloaded on our website www.euromex.com

TABLET

Software and camera as above (5 MP + ImageFocus Plus)

Processor	Quad Core max 3.3 GHz HD graphics processor
Screen	12.1 inch IPS 2160*1440 / 3:2
Memory	12 GB
Storage	512 GB Flash HDD, micro SD/SDHC slot for cards up to 64 GB
Webcam	2 MP front and 5MP rear camera
Connectivity	Micro USB 2.0, Micro HDMI, USB-C, WiFi 6 and Bluetooth 4.0
Audio	Stereo with 3.5 mm audio jack, internal microphone and speaker
Battery	Lithium, 38Wh, 5000mA
Weight	0.8 KG (tablet) 6.2 kg (complete)
System	Windows 11
Software	ImageFocus Plus

● BB.1152-T



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/22 mm with focusable lens, Ø 30mm tube
- BB.6099** Pair of eyecups

OBJECTIVES - 45 MM PARFOCAL

- 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

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