

## LIFE SCIENCE MICROSCOPES



### BioBlue.Lab

The BlueLine flagship BioBlue.Lab is the ideal laboratory instrument. With a very steady base, infinity corrected optical objectives, phase contrast possibilities it is a high quality all round microscope

All models are equipped with NeoLED™ illumination system for high resolution images and are available in binocular and trinocular versions

● BB.1153-PLi



<b>BB.1152-PLi</b>	
<b>Dimensions</b>	<b>Weight</b>
(h) 378 x (w) 190 x (d) 260 mm	5.4 kg

  

<b>BB.1153-PLi</b>	
<b>Dimensions</b>	<b>Weight</b>
(h) 448 x (w) 190 x (d) 260 mm	5.6 kg

## HIGHLIGHTS

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



BB.1152-PLi ●



Check out the product video on YouTube and learn more about the BlueLine. YouTube channel: **Euromex Optics Group B.V.**

These ergonomic easy-to-use microscopes have been specifically 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 range

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 WF 10x/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



● BioBlue

● BioBlue.Lab

## 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

### 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 range is 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. Supplied with green filter

### ILLUMINATION

Binocular and trinocular models are supplied with an adjustable 3 W NeoLED™ illumination system for increased light output. Integrated 100-240V power supply

### PACKAGE CONTENT

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	Bino	Trino	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	Neo LED	Weight (kg)
BB.1152-PL	•		•				•	•	5.4
BB.1153-PL		•	•				•	•	5.5
BB.1152-PLi	•			•			•	•	5.4
BB.1153-PLi		•		•			•	•	5.5
BB.1152-PLPH	•				•		•	•	5.6
BB.1153-PLPH		•			•		•	•	5.7
BB.1152-PLPHi	•					•	•	•	5.6
BB.1153-PLPHi		•				•	•	•	5.7

## ACCESSORIES AND SPARE PARTS

**BB.6010** WF 10x/20 mm eyepiece, Ø 30 mm tube

**BB.6015** WF 15x/15 mm eyepiece, Ø 30 mm tube

**BB.6110** WF 10x/20 mm eyepiece, Ø 30 mm tube with micrometer reticle

**BB.6020** WF 20x/11 mm eyepiece, Ø 30 mm tube

**BB.6099** Pair of eyecups

**BB.8804** Plan DIN 4x/0.10 objective. WD 17.92 mm

**BB.8810** Plan DIN 10x/0.25 objective. WD 2.04 mm

**BB.8820** Plan DIN 20x/0.40 objective. WD 1.20 mm

**BB.8840** Plan DIN S40x/0.65 objective. WD 0.65 mm

**BB.8860** Plan DIN S60x/0.85 objective. WD 0.19 mm

**BB.8800** Plan DIN S100x/1.25 oil immersion objective. WD 0.18 mm

**BB.7204** Plan DIN 4x/0.10 IOS objective. WD 7.18 mm

**BB.7210** Plan DIN 10x/0.25 IOS objective. WD 4.80 mm

**BB.7220** Plan DIN 20x/0.40 IOS objective. WD 5.27 mm

**BB.7240** Plan DIN S40x/0.65 IOS objective. WD 0.68 mm

**BB.7260** Plan DIN S60x/0.85 IOS objective. WD 0.50 mm

**BB.7200** Plan DIN S100x/1.25 oil immersion IOS objective. WD 0.20 mm

**BB.8910** Plan phase DIN 10x/0.25 objective. WD 2.04 mm

**BB.8920** Plan phase DIN 20x/0.40 objective. WD 1.20 mm

**BB.8940** Plan phase DIN S40x/0.65 objective. WD 0.65 mm

**BB.8900** Plan phase DIN S100x/1.25 oil immersion IOS objective. WD 0.18 mm

**BB.7710** Plan phase DIN 10x/0.25 IOS objective. WD 4.7 mm

**BB.7720** Plan phase DIN 20x/0.40 IOS objective. WD 1.75 mm

**BB.7740** Plan phase DIN S40x/0.65 IOS objective. WD 0.72 mm

**BB.7700** Plan phase DIN S100x/1.25 oil immersion objective. WD 0.50 mm

**BB.9880** Köhler attachment

**BB.9900** Aluminum case

**SL.5503** 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 glass 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