

## 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. 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

<b>BB.6010</b>	WF 10x/20 mm eyepiece, 30 mm tube		
<b>BB.6015</b>	WF 15x/15 mm eyepiece, 30 mm tube		
<b>BB.6110</b>	WF 10x/20 mm eyepiece, 30 mm tube with micrometer reticle		
<b>BB.6020</b>	WF 20x/11 mm eyepiece, 30 mm tube		
<b>BB.6099</b>	Pair of eyecups		
<b>BB.8804</b>	Plan DIN 4x/0.10 objective. Working distance 17.92 mm		
<b>BB.8810</b>	Plan DIN 10x/0.25 objective. Working distance 2.04 mm		
<b>BB.8820</b>	Plan DIN 20x/0.40 objective. Working distance 1.20 mm		
<b>BB.8840</b>	Plan DIN 540x/0.65 objective. Working distance 0.65 mm		
<b>BB.8860</b>	Plan DIN 560x/0.80 objective. Working distance 0.19 mm		
<b>BB.8800</b>	Plan DIN S100x/1.25 oil immersion objective. Working distance 0.18 mm		
<b>BB.7204</b>	Plan DIN 4x/0.10 IOS objective. Working distance 7.18 mm		
<b>BB.7210</b>	Plan DIN 10x/0.25 IOS objective. Working distance 4.80 mm		
<b>BB.7220</b>	Plan DIN 20x/0.40 IOS objective. Working distance 5.27 mm		
<b>BB.7240</b>	Plan DIN 540x/0.65 IOS objective. Working distance 0.68 mm		
<b>BB.7260</b>	Plan DIN 560x/0.85 IOS objective. Working distance 0.50 mm		
<b>BB.7200</b>	Plan DIN S100x/1.25 oil immersion IOS objective. Working distance 0.20 mm		
<b>BB.8910</b>	Plan phase DIN 10x/0.25 objective. Working distance 2.04 mm		
<b>BB.8920</b>	Plan phase DIN 20x/0.40 objective. Working distance 1.20 mm		
<b>BB.8940</b>	Plan phase DIN 540x/0.65 objective. Working distance 0.65 mm		
<b>BB.8900</b>	Plan phase DIN S100x/1.25 oil immersion IOS objective. Working distance 0.18 mm		
<b>BB.7710</b>	Plan phase DIN 10x/0.25 IOS objective.		Working distance 4.7 mm
<b>BB.7720</b>	Plan phase DIN 20x/0.40 IOS objective.		Working distance 1.75 mm
<b>BB.7740</b>	Plan phase DIN 540x/0.65 IOS objective.		Working distance 0.72 mm
<b>BB.7700</b>	Plan phase DIN S100x/1.25 oil immersion objective.		Working distance 0.50 mm
<b>BB.9880</b>	Köhler attachment		
<b>BB.9900</b>	Aluminium case		
<b>BB.9993</b>	3 W NeoLED™ replacement unit		
<b>AE.5130</b>	Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter		
<b>AE.5040</b>	T2 ring for Canon EOS SLR digital camera		
<b>AE.5025</b>	T2 ring for Nikon D SLR digital camera		
<b>BB.9732</b>	Polarization filter, 32 mm diameter. Fits in filter holder		
<b>PB.5155</b>	Microscope slides 76 x 26 mm, ground edges, 50 pieces		
<b>PB.5165</b>	Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces		
<b>PB.5168</b>	Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces		
<b>PB.5245</b>	Lens cleaning paper, 100 sheets per pack		
<b>PB.5255</b>	Immersion oil, n = 1.482 (25 ml)		
<b>PB.5274</b>	Isopropyl alcohol 99% (200 ml)		
<b>PB.5275</b>	Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs		