



Microscopes  
for Education  
and Research



The beautiful stylish design of the BioBlue series stands out among all other microscopes of this kind. It has been especially designed for biology classes of educational institutes and small laboratories

## Optical equipment

The DIN WF 10x/18 eyepieces of the BioBlue mono- and binocular models provide the ideal field of view.

The achromatic semiplan 45 mm DIN objectives are parafofocally aligned on the 160 mm DIN tubes. When changing the magnification the image remains perfectly in focus and centered.

The high precision mechanism of the coaxial coarse- and fine control combined with the spherical corrected optics enable the BioBlue to produce very sharp images. All models are equipped with a height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder.

For binocular versions the interpupillary distance can be adjusted from 55 to 75mm



BB.4200

## General technical information

<b>Eyepiece</b>	WF 10x/18 wide field eyepiece, secured with screw. Monocular models have an eyepiece with built-in pointer. Binocular models come with a dioptical adjustment for one eyepiece holder.
<b>Observation tube</b>	Monocular or Binocular Siedentopf type head, 360° rotatable; Tube length 160 mm
<b>Nosepiece</b>	Reversed nosepiece for 4 objectives. Ball-bearing mechanism and click-stops
<b>Objectives</b>	Achromatic color coded DIN semiplan objectives The 40x, 60x and 100x-oil objectives are spring-mounted
<b>Protection</b>	Built in protection system for specimen and objective
<b>Stages</b>	A 120x120 mm plain stage or 130x130 mm stage with double layered mechanical X-Y stage are available The translation range of the mechanical X-Y stage is 70x28 mm
<b>Focus control</b>	Coaxial coarse- and fine adjustment knobs on both sides with 0.002 mm graduations Friction of focus control can be adjusted
<b>Condenser</b>	Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
<b>Illumination</b>	LED 1 Watt illumination with internal power supply (85-230V) and 3 NiMH AA type batteries
<b>Packaging</b>	Complete with spare fuse and dustcover in styrofoam case. Models equipped with S100x-oil objectives are delivered with 5 ml immersion oil
<b>Manual</b>	English (also available in French, Dutch and German language)

## Outstanding microscopes for the right price ...



BB.4260

### BioBlue stand

The aluminium BioBlue stand has been designed to be very stable. A built-in protection system prevents any damage to the specimen and objective. The BB.4200 has a plain stage with 2 object clamps. All other models have a large 130x130 mm stage with vernier and a integrated mechanical translation stage with 70x28 mm travel range.



### LED illuminator

The BioBlue is equipped with a 1 Watt adjustable LED illuminator, which produces no heat. Besides the low power consumption the internal universal AC power supply makes use of an external vulnerable AC-DC power adapter completely redundant. The built-in rechargeable AA type batteries allow a 60 hrs continuous operation of the microscope.



### Ergonomic design

A lot of effort has been put into the ergonomical aspects of the BioBlue. A comfortable handgrip enables easy transportation. Ergonomically placed adjustment knobs minimize fatigue during long microscopy sessions. The general shape of the stand has been specifically designed to match today's standard.

### BioBlue models

Model	Tube	Eyepiece	DIN SMP Objectives	Condenser	Stage
BB.4200	Mono	WF10x/18	4x, 10x, S40x	Abbe condenser	Plain stage
BB.4220	Mono	WF10x/18	4x, 10x, S40x	Abbe condenser	Integrated mechanical stage
BB.4240	Mono	WF10x/18	4x, 10x, S40x, S60x	Abbe condenser	Integrated mechanical stage
BB.4250	Mono	WF10x/18	4x, 10x, S40x, S100x	Abbe condenser	Integrated mechanical stage
BB.4260	Bino	WF10x/18	4x, 10x, S40x, S100x	Abbe condenser	Integrated mechanical stage

## Accessories

- AE.5572** Wide field 10x/18 eyepiece  
**AE.5573** Wide field 15x/12 eyepiece  
**AE.5581** Wide field 10x/18 eyepiece with pointer  
**AE.5582** Wide field 20x/11.5 eyepiece
- AE.5591** Achromatic SMP DIN 4x objective  
**AE.5593** Achromatic SMP DIN 10x objective  
**AE.5594** Achromatic SMP DIN 20x objective  
**AE.5597** Achromatic SMP DIN S40x objective  
**AE.5599** Achromatic SMP DIN S60x objective  
**AE.5601** Achromatic SMP DIN S100x oil immersion objective
- AE.5150** Polarization set. The analyzer is placed in the eyepiece and the polarizer in the filter holder
- AE.5153** Polarization set for microscopes without mechanical stage  
The analyzer is placed on top of the eyepiece  
The polarizer is mounted in an attachable (90x65 mm) stage  
Rotating object holder with object clamps graduation 360°, accuracy 5°
- AE.5504** Neutral density filter  
**SL.5527** Spare fuse, 10 pcs packed  
**SL.5501** LED replacement unit



Table with x-y stage



Table with clamps



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 **euromex**  
microscopes holland

**euromex microscopen bv** T + 31 (0)26 323 22 11  
Papenkamp 20 F + 31 (0)26 323 28 33  
P.O. Box 4161, 6803 ED Arnhem info@euromex.com  
The Netherlands www.euromex.com