

NOVEX BIO BLUE

professional microscopes

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 parafocally aligned on the 160 mm DIN tubes. When changing the magnification the image remains perfectly in focus and entered. 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.

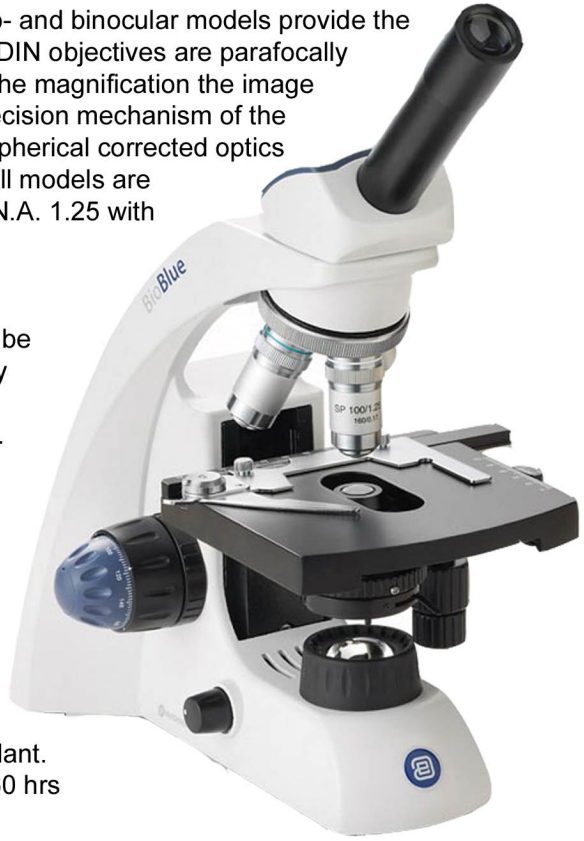
BioBlue stand

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.

General technical information

Eyepiece

WF 10x/18 wide field eyepiece, secured with screw. Monocular models have an eyepiece with built-in pointer Tube. Monocular or Binocular Siedentopf type head, 360° rotatable; Tube length 160 mm

Nosepiece

Reversed nosepiece for 4 objectives. Ball-bearing mechanism and click-stops

Objectives

Achromatic color coded DIN semiplan objectives
The 40x, 60x and 100x-oil objectives are spring-mounted

Protection

Built in protection system for specimen and objective

Stages

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

Focus control

Coaxial coarse- and fine adjustment knobs on both sides with 0.002 mm graduations Friction of focus control can be adjusted

Condenser

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder

Illumination

LED 1 Watt illumination with internal power supply (85-230V) and 3 NiMH AA type batteries

Packaging

Complete with spare fuse and dustcover in styrofoam case.
Models equipped with S100x-oil objectives are delivered with 5 ml immersion oil