bScope® Microscope Series

Item# EBS-3153-PLFI

Eyepieces

- Widefield HWF10X/22mm secured eyepieces (Ø30mm tube).

Head

- Trinocular head equipped with a Siedentopf type head, 360º rotatable and 30º inclined, ø30mm tubes, +/-5mm diopter adjustment on left eyepiece. Adjustable interpupillary distance between 48 to 76mm.
- With a trinocular ø23.2mm tube ensuring maximum flexibility and a light path selector (20:80) to generate an erect image.

Nosepiece

- Reversed quintuple (5) nosepiece on ball bearings.

Objectives

- Plan Fluarex infinity corrected IOS
- PLFI 4x/0.10 WD 21.6mm
- PLFI 10x/0.25 WD 2.9mm
- PLFI 40x/0.65 spring WD 0.6mm
- PLFI 100x/1.25 spring oil immersion, WD 0.62mm
- Total magnification: 1000x

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput.

Stage

- The bScope® is equipped with a scratch-resistant 131x152/197mm stage with integrated 75x36mm X-Y rackless mechanical stage, Vernier scale, soft-close removable specimen holder.

Condenser For Brightfield

- The standard height adjustable Abbe N.A. 1.25 condenser for brightfield comes with iris diaphragm

Focusing

- Double coaxial, low-positioned coarse and fine adjustments, 180 graduations, precision 1.1um, 200um per rotation, total travel range is approximately 19mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustment is equipped with friction control.

Fluorescence Attachment

- EPI-illumination with four 5W LEDs for fluorescence excitation from 450 to 470nm **blue** / 515 to 535nm **green** / 390 to 400 **violet** / 360 to 370 **ultraviolet**. External 100-240V power supply.
- Fluorescence filter sets included: **blue** EX450-490(BP) DM505 EM515(LP) / **green** EX495-555(BP) DM580 EM595(LP) / **ultraviolet** EX320-380(BP) DM420 EM435(LP) / **violet** EX380-415(BP) DM460 EM47775(LP)
- UV protection shield.

NeoLED™ Transmitted Illumination

- The 3W adjustable Köhler NeoLED™ transmitted illumination is powered by an internal 100-240V power supply making it suitable for worldwide use. The innovative NeoLED™ design offer larger apertures, allowing the optical system of the bScope® microscope to produce images at higher resolutions, very close to the theoretical diffraction limit of the optics. Other benefits of the NeoLED™ is the low energy consumption, no heating and long operating lifetime.

Köhler Illumination

- A Köhler illumination ensures for all infinity corrected IOS models the highest possible contrast and the maximum achievable resolving power. Generates a uniform illumination of the sample and eliminates all interference from dust on lenses and side glare of the light source.

CSS – Cable Storage System

- bScope® allows users to easily insert the power cable into the back of the instrument, which enables easy storage. The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope.

Carrying Grip

- The integrated carrying grip at the back of the microscope ensures safe transportation of the microscope.

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.

APL (Antimicrobial Protection Layer)

- APL is a revolutionary paint treatment applied to the most critical parts of our products. A microscope with APL will help restrict the growth of micro-organisms, including bacteria and mold.

Package Contents

- Smart Styrofoam packaging ensures a low environmental footprint while maintaining maximum safety during transport. Supplied with power cord, dust cover, tools, a spare fuse, white filter, user manual and 5ml immersion oil.

Customer service, sales and technical support:
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