



# EUROStar III Plus

Controlled light intensity for reliable diagnostics



**NEW!**  
Conforms to  
the IVDR

- **Reliable and reproducible results:** The controlled LED is a unique development from EUROIMMUN.
- **User-friendliness:** LED offers optimum performance directly after switch-on and switching between camera and eyepieces is superfluous due to the 50/50 beam splitter.
- **Compliance with your quality management:** We perform regular checks of the light intensity of your EUROStar III Plus and issue a certificate.
- **Reliability:** More than 1000 EUROStar Microscopes sold worldwide



The **EUROStar III Plus** is a compact LED fluorescence microscope offering a constant defined light flux and a long service life of over 50,000 hours. It is also an environmentally friendly choice as it has a low power consumption and contains no mercury. In addition to the exceptional EUROIMMUN cLED the EUROStar III Plus is also equipped with a halogen lamp for transmitted-light microscopy in bright and dark field. Furthermore, the microscope can be upgraded for phase contrast, if required.

A camera fitted directly to the phototube is used for digital image recording and data are automatically transmitted to the corresponding **EUROPicture** software. The program allows for comfortable evaluation of the fluorescence images on the screen as well as secure and structured archiving. The integrated 50/50 beam splitter enables simultaneous use of the eyepieces and the camera without the need for switching.



**EUROPicture**

## System

### Opto-mechanical components

Objective change revolver .....	manual, 4-fold
Objectives .....	Plan-Achromat 10x/0.25; 20x/0.4; 40x/0.65; and Plan-Achromat 100x/1.25 Oil
Eyepieces .....	PL 10x/20 Br. Foc.
Binocular phototube .....	30°/20
Fixed division .....	50% vis/50% doc
Max. number of viewing fields .....	20
Interpupillary distance .....	48 to 75 mm
Viewing angle/height .....	30°/380 mm to 415 mm
Visual + Photo/Video port .....	tube factor 1x

### Filter set for FITC

Excitation filter .....	BP450–490 nm
Beam splitter .....	FT510 nm
Emission filter .....	LP515 nm

### Stage

Stage focussing .....	45 mm (coarse drive), 0.5 mm (fine drive)
Overall lift .....	15 mm
Specimen stage .....	75 mm x 30 mm R/L

### EUROIMMUN cLED

Excitation wavelength .....	460–490 nm
Power .....	approx. 5 W
Product life .....	at least 50,000 hrs
Deterioration indicator .....	acoustic

### Halogen light source

Lamp (controlable) .....	HLA 6V, 30W (1.5 to 6V)
Colour temperature at 6V .....	2800 K
Light flux .....	280 lm
Product life .....	approx. 1000 h

## Technical data

Power supply .....	100–240V, battery operation with 12V possible
W x D x H .....	187 mm x 410 mm x 449 mm
Weight .....	approx. 9.6 kg

## Order information

**EUROStar III Plus**

LED fluorescence microscope

YG 0306-0101-3