



EUROStar IV Plus

Plug & Play for IIFT microscopy with ease



- **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 IV Plus and issue a certificate.



The **EUROStar IV 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 IV 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, 5-fold
Objectives	iPlan-Achromat 10x/0.25; 20x/0.4; 40x/0.65; and iPlan-Achromat 100x/1.25 Oil
Eyepieces	PL 10x/22 Br. Foc.
Binocular phototube	25°/22
Fixed division	50% vis/50% doc
Max. number of viewing fields	22
Interpupillary distance	48 to 75 mm
Viewing angel/height	25°/380 mm to 415 mm
Visual + Photo/Video port	tube factor 1x

Filter set for FITC

Excitation filter	BP 450–490 nm
Beam splitter	FT 510 nm
Emission filter	LP 515 nm

Stage

Stage focussing	5 mm/rotation
Overall lift	15 mm
Specimen stage	75 mm x 50 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	100–240 V
W x D x H	190 mm x 410 mm x 449 mm
Weight	approx. 9.6 kg

Order information

EUROStar IV Plus	LED fluorescence microscope	YG 0307-0101
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