



## EUROStar IV Plus

### Plug & Play for IFA microscopy with ease

Ideal for small and medium sample throughputs

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

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

### Features

- Constant image quality for reproducible results thanks to the durable cLED developed by Euroimmun
- User-friendly operation due to optimal cLED performance directly after switch-on and the option to perform microscopy and image acquisition simultaneously
- Regular checks of the light intensity of the EUROStar IV Plus and issuance of a certificate to support your quality management

Optical components	
Objective revolver	manual, 5-fold
Objectives	iPlan-Achromat 10x/0.25; 20x/0.45; 40x/0.65; 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	48–75 mm
Viewing angle/height	25°/380 mm–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	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
Service life	at least 50,000 h
Deterioration indicator	acoustic
Halogen light source	
Lamp (controlable)	HLA 6 V, 30 W (1.5–6 V)
Colour temperature	2800 K (at 6 V)
Light flux	280 lm
Service life	approx. 1000 h
Characteristics	
Electrical data	100–240 VAC
Dimensions/Weight	190 mm x 410 mm x 449 mm (W x D x H)/ ca. 9.6 kg

Find out more at [www.euroimmun.com](http://www.euroimmun.com)  
or contact us directly:  
[www.euroimmun.com/contact](http://www.euroimmun.com/contact)

