

## B+ series for Fluorescence microscopy

### HIGHLIGHTS

- ✓ Microscopes for fluorescence microscopy
- ✓ Plan or Plan Fluarex™ IOS objectives
- ✓ Diascopic NeoLED™ illumination
- ✓ 4 NeoLed™ fluorescence epi-illumination or 100 W mercury vapor epi-illumination
- ✓ Standard fluorescence filters B, G, V, UV
- ✓ 5 years warranty



### Specifications

#### Eyepieces

DIN WF 10x/20 mm eyepieces

#### Head

Siedentopf trinocular head with 30° inclined tubes  
Interpupillary distance 48-75 mm. Diopter adjustment on left eyepiece  
Head with push-pull 100-0 or 0-100 selector

#### Nosepiece

Revolving quintuple reversed nosepiece on ball-bearings

#### Objectives

Infinity corrected achromatic DIN IOS Plan 4x/0.10, 10x/0.25, 20x/0.40, S40x/0.65, S100x/1.25-oil  
or

Infinity corrected achromatic DIN IOS Plan Fluarex 4x/0.13, 10x/0.30, 20x/0.60, S40x/0.85, S100x/1.25-oil

All optical parts are anti-fungus treated

#### Stage

Standard 125 mm x 135 mm stage with 75 mm x 35 mm integrated mechanical stage

#### Condenser

In height adjustable N.A. 1,25 Abbe condenser with filter holder

#### Focusing adjustment

Coaxial coarse and fine adjustments, 2 µm precision  
Friction adjustment

**Diascopic illumination**

Diascopic intensity adjustable NeoLED™ illumination with internal power supply /charger and 3 NiMH AA batteries

**Epi-illumination for fluorescence**

4 x NeoLED™ epi-fluorescence monochromatic LED illumination - user selectable - for standard filters sets Green EX 460-550 nm EM 590 nm, Blue EX 420-485 nm EM 515 nm, Violet 330-400 nm EM 425 nm and Ultraviolet 395-415 nm EM 455 nm. Built-in condenser with field iris diaphragm

or

100 W mercury vapor epi-fluorescence illumination. Standard filters sets Green EX 460-550 nm EM 590 nm, Blue EX 420-485 nm EM 515 nm, Violet 330-400 nm EM 425 nm and Ultraviolet 395-415 nm EM 455 nm

Models	Plan IOS objectives PL 4x/10x/S40x/S100 oil	Plan IOS objectives PL Fluarex 4x/10x/S40x/S100 oil	Epi-fluorescence illumination with 4 NeoLED	Epi-fluorescence illumination with 100 W Hg
86.179-LED	•		•	
86.180-LED		•	•	
86.178-LED	•			•
86.181-LED		•		•

**Accessories & spare parts**

- 86.550 Achromatic Plan DIN PL 4x/0.10 objective
- 86.552 Achromatic Plan DIN PL 10x/0.25 objective
- 86.554 Achromatic Plan DIN PL 20x/0.40 objective
- 86.556 Achromatic Plan DIN PL 40x/0.65 objective
- 86.558 Achromatic Plan PL 100x/1.25 objective
  
- 86.560 Achromatic Plan Fluarex DIN PL 4x/0.3 objective
- 86.562 Achromatic Plan Fluarex DIN PL 10x/0.30 objective
- 86.564 Achromatic Plan Fluarex DIN PL 20x/0.45 objective
- 86.566 Achromatic Plan Fluarex DIN PL 40x/0.70 objective
- 86.568 Achromatic Plan Fluarex PL 100x/1.25 objective
  
- 86.860 Köhler field diaphragm for diascopic illumination
  
- 86.127 Adapter for reflex SLR camera. Requires either 80.861 or AE.5049 and a T-2 adapter
- 80.861 2,5x objective for 86.127 to be used with full frame digital camera
- AE.5049 1,9x objective for 86.127 to be used with APS-C digital camera
- AE.5040 T-2 adapter for Canon EOS SLR digital camera
- AE.5025 T-2 adapter for Nikon SLR digital camera

**Accessories & spare parts (continued)**

AE.5202	Blue filter $\varnothing$ 32 mm
AE.5203	Yellow filter $\varnothing$ 32 mm
AE.5204	Neutral density filter $\varnothing$ 32 mm
AE.5205	Green filter $\varnothing$ 32 mm
AE.5205	Blue filter, Plexiglass $\varnothing$ 32 mm
AE.5227	Spare fuses 1A, pack of 10
AE.5155	Microscope glass slides 76 x 26 mm, edges grinded, 50 pcs
AE.5156	Cover glasses 18 x 18 mm, thickness 0,13-0,17 mm, 100 pcs
AE.5245	Lens cleaning paper, 100 sheets
AE.5255	Immersion oil $n = 1.482$ , 25 ml
SL.1385	100 watt Mercury lamp