



Biological Microscopes
series: BIOLABO

The biological **fluorescence** microscope of the BIOLABO series uses a specific wavelength (chosen by the user) to illuminate the sample in order to excite it and make it emit a light of a wavelength greater than that absorbed so as to allow the vision of the sample.

Choose between HBO lighting and LED lighting to provide maximum clarity and definition.

MODEL: OL3000TFLED



MODEL: OL3000TFL



ACCESSORIES

B1-0005	Pair of WF10x/20mm eyepieces (spare)
B1-0010	Pair of WF16x/11mm eyepieces
B1-0040	Pair of WF20x/11mm eyepieces
B1-0055	Micrometric eyepiece WF10x/20mm
B1-0015	Micrometric slide division 0.01mm
B1-0080	Darkfield condenser N.O. 0.77-0.91
B1-0085	Immersion darkfield condenser N.O. 1.25-1.40
B2-0550	0.4x CCD adapter with C mount for trinocular
B2-0555	Photo adapter for 2.5x/4x Reflex
B1-0090	6V 30W G4 halogen bulb (spare)
B2-0510	HBO 100W 6V mercury vapor lamp (spare)
B2-0520	Planachromatic objective UIS 4x/0.10 (spare)
B2-0525	Planachromatic objective UIS 10x/0.25 (spare)
B2-0530	Planachromatic objective UIS 20x/0.40 (spare)
B2-0535	Planachromatic objective UIS 40x/0.65 (spare)
B2-0540	Planachromatic objective UIS 60x/0.85 (spare)
B2-0545	Planachromatic objective UIS 100x/1.25 OIL (spare)

TECHNICAL CHARACTERISTICS	OL3000TFL	OL3000TFLLED
Pair of EWF10x/22mm eyepieces	•	•
Right diopter adjustment ± 5 (diopters) and interpupillary distance 55-75mm	•	•
Trinocular Siedentopf head 30° inclined 360° rotatable. Third exit for photo/video applications. Split 0/100%	•	•
Lamp holder box for Epi fluorescence with HBO 100W lamp. Condenser lens and iris diaphragm. The lamp holder system can be centered	•	•
Filter holder turret with iris diaphragm and filter holder slide. The selectable disc excitation filters are housed in the front of the turret, positions: B blue (420-485nm) - G green (460-550nm) - V violet (395-415nm) - UV ultraviolet (330-400nm)	•	/
Lamp holder box for Epi fluorescence with double LED 3W. G green (520nm-530nm) - B blue (460nm-560nm) wave band LED condenser lens	/	•
Filter holder turret with iris diaphragm and filter holder slide. The selectable disc excitation filters are housed in the front of the turret, positions: B blue (420-485nm) - G green (460-550nm)	/	•
Orange barrier of UV protection	•	•
5-place objective nosepiece (click stop), inclined towards the stand to facilitate inserting the slides	•	•
Planachromatic objectives UIS "Universal Infinity System" 4x/0.10 - 10x/0.25 - FL40x/0.85(S.)* - 100x/1.25(S.) Oil *lens with no chromatic aberration	/	•
Planachromatic objectives UIS "Universal Infinity System" 4x/0.10 - 10x/0.25 - 40x/0.65(S.) - 100x/1.25(S.)Oil	•	/
Double-layer shift table 210x140mm, right hand drive, range 75x50mm accuracy 0.1mm	•	•
Abbe condenser A.N. 1.25 with iris diaphragm. Centerable with double handwheel and height adjustable by knob with rack and pinion mechanism.	•	•
Coaxial coarse/fine focusing, fine division 0.002mm with clutch and limit switch (on right knob)	•	•
Ergonomic micrometer on the right side for one-handed operation of the microscope	•	•
Friction: adjustment of the intensity of the focus (on the left knob)	•	•
End stop: table height adjustment to avoid accidental breakage of the slide	•	•
Stand completely made of aluminum, ergonomic rear grip for the moving the microscope	•	•
Koehler collector of field diaphragm filter holder illumination. Filters \varnothing 32mm	•	•
6V/30W G4 halogen lighting with light intensity adjustment. Centerable system	•	•
3W S-LED lighting with light intensity adjustment. Pre-centered system	/	•
External power supply 110/220V, for HBO fluorescent illuminator. With intensity adjustment via rheostat	•	/
Dimensions	260x491x545(h)mm	250x475x520(h)mm
Weight	12.00kg	9.80kg

• Supplied / not supplied