



# Trinocular fluorescence microscope "3001-F"



EXCELLENT RESOLUTION. POLYVALENT, CAN WORK IN EPIFLUORESCENT OR TRANSMITTED LIGHT MODE. WITH TRINOCULAR ADAPTER FOR CAMERA AND VIDEO CAMERA. PHASE CONTRAST AND DARK FIELD MODES AS ACCESSORIES.

## OPTICS ANTI MOULD / ANTI FUNGAL



### APPLICATIONS

Biology, cytology, oncology, genetics, scientific investigation, clinical diagnostics, epidemic prevention and embryology.

### FEATURES

**Trinocular head**, inclined 45° and rotatable through 360°.  
**Interpupillary distance adjustable** from 53 to 75 mm.  
**Dioptric adjustment** of ±5 dp in the left eyepiece, to compensate for any visual differences.  
**Pair of wide field** DIN eyepieces WF 10x (20 Ø).  
**Bright field planachromatic DIN objectives of 4x** (A.N. 0.10), **10x** (A.N. 0.25), **40x** (A.N. 0.65) and an oil immersion retractable **100x** (A.N. 1.25) they are colour codified for a quick identification. Planachromatic objectives provide an excellent image to the edge of the optical field of view.  
**Quadruple revolving objective turret**, with both sides rotation and with a roller bearing and a notch stop.  
 Large sub stage of **210x140 mm**, **rack and pinion** height adjustable, by coaxial focus bilateral controls, graduated micrometer in steps of 0,002 mm and macrometer with adjustable tension (30 mm path). With transmitted light lock plate and **UV** radiation protection screen.  
 Safety stop with preset adjustable safety level.

**Mechanical slide holder** (moveable), with graduated scale of 0,1 mm, made up of a smooth movement mechanism (x-y), by a 50mm longitudinal and a 75mm transversal rack and pinion movement.  
**Abbe condenser of 1.25 A.N.**, precentred, with double lens, iris diaphragm and retractable **frontal lens**. Rack and pinion height, adjustable. Abbe condenser can be easily replaced by a phase turret condenser (for contrast) or dark field condenser, for special observation conditions (see accessories).

**Transmitted illumination (diascopic)**, according to Köhler, that consists of a condenser lens, a field diaphragm, removable filters and low voltage halogen precentred lamp of 6V/20W with adjustable intensity. Robust stable structure that includes the illumination system, the intensity potentiometer and the On/Off switch on its base.



### FLUORESCENCE UNIT

Mercury lamp of 100 W/DC  
 Lamp power supply connected to 110 V/220 V with intensity, voltage and power adjustable by a knob.  
 Illumination module for reflected fluorescence (UV.V.B. and G system).  
 The unit includes diaphragm, selectable attenuation filter and 5 positions filter disk: ultra-violet, violet, blue and green filters, and a empty position for transmitted light.

MODEL	Part no.	Eyepieces	Objectives	Technique	Illumination	Weight kg
30001-F	5901994	WF 10x (20 Ø)	Planachromatics (PL) 4x- 10x- 40x-100x	Epifluorescent	Transmitted 6v / 20w & Mercury fluorescence 100w / DC	10,5

Supplied complete with a set of blue, green and white filters, bottle of immersion oil ηD 1.515, mercury lamp 100 w, spare fuse and dust cover.

<b>SPARE PARTS</b>	halogen lamp 6 V / 20 W. Part No. <b>5313023</b> .	Mercury lamp 100 W DC. Part No. <b>5313055</b>		
<b>Fluorescence omega filters:</b>	U.V. Part No. <b>5313056</b>	Violet. Part No. <b>5313057</b>	Blue. Part No. <b>5313058</b>	Green. Part No. <b>5313059</b>

**ACCESSORIES**  
See pag: 270