COMECTA Trinocular fluorescence microscope “3002-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 30° and rotatable through 360°.
Interpupillary distance adjustable from 55 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 (22 Ø).
Bright field planachromatic DIN objectives of 4x (A.N. 0.10), **10x** (A.N. 0.25), **40x** (A.N. 0.65)retactable, 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 baring and a notch stop.
Large sub stage of **180x150 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 Kölher, that consists of a condenser lens, a field diaphragm, removable filters and low voltage halogen precentred lamp of 12V/30W 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 (Waveband B and G, N free).
The unit includes diaphragm, selectable attenuation filter and 5 positions filter disk: ultraviolet, violet, blue and green filters, and a empty position for transmitted light.

ACCESSORIES

Waveband V and UV. Part No. 5901986

MODEL	Part no.	Eyepieces	Objectives	Technique	Illumination	Weight kg
3002-F	5901984	WF 10x (22 Ø)	Planachromatics (PL) 4x- 10x- 40x-100x	Epifluorescent	Transmitted 12v / 30w & 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.

SPARE PARTS **Halogen lamp** 12 V / 30 W. Part No. 5313021. **Mercury lamp** 100 W DC. Part No. 5313055
Block with omega fluorescence filter: U V. Part No. 5313060 Violet. Part No. 5313061 Blue. Part No. 5313062 Green. Part No. 5313063

ACCESSORIES FOR MICROSCOPES MODELS “3000-A LED”, “3000-B LED”, “3000-C LED” AND “3002-F”

Eyepiece with wide angle lens WF-15x (single). Part No. 5313073.
Eyepiece with wide angle lens WF-20x (single). Part No. 5902074
Contrast phase kit: Objectives DIN, planachromatic positive phase contrast of 10x (A.N. 0.25), 25x (A.N. 0.4), 40x (A.N.0.65) retractable and 100x (A.N.1.25) retractable oil immersion and phase condenser turret, A.N. 1.25, with central telescope and green filter. Part No. 5901985
Dark Field condenser: Permits the observation of low contrast particles dispersed in a homogenous substrate, that appear luminous in a dark field.
- Dark field condenser: A.N. 0.77 ~ 0.91 dry (low magnification). Part No. 5313071
- Dark field condenser: A.N. 1.25 ~ 1.40 immersion (high magnification). Part No. 5313072

Micrograph Kit, camera mechanism WF 10x with a visor for focus correction and a photographic objective of 2.5 - 4x. (Adaptable for **Digital reflex photographic kit**). Part No. 5902008
Digital reflex photographic kit Composed of a mount, a shutter and a SD memory card of 2Gb. Part No. 5313222
Adapter for a CCD video camera: attachment. Part No. 5313070
Wooden case. Part No. 5313016


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