



Epi- Fluorescence Trinocular Microscope



Instrumentation Details

Make : Medline UK Magnum

Model : Epi-Fluorescence Trinocular Microscope with Epi-fluorescence illumination-HBO100W

Specification:

Optical head:

- trinocular, including vertical photo/video port ($\text{\O}30\text{mm}$)
- interpupillary distance adjustment (Siedentopf type): 55 to 75 mm
- dioptic compensation: on one eyepiece tube
- Eyepieces: 10x/20mm wide-field
- Nosepiece: quintuple reversed and revolving with click stop

Objectives:

Infinity planachromatic (CCS Optics)

- PC 4x / 0.10 / 160 / 0.17 FL
- PC 10x / 0.25 / 160 / 0.17 FL
- PC 40x / 0,65 / 160 / 0.17 FL (Ceti Zi High clarity objective)
- PC 100x / 1.25 / 160 / 0.17 (oil) FL spring loaded
- Precondenser with field diaphragm

Condenser:

- brightfield Abbe
- NA 0.90 (1.25 oil)
- iris diaphragm and filter holder

Fluorescent attachment:

- centrable through a centring device
- focusable with rack and pinion height adjustment system



Stage:

- size 210x140mm with built-in mechanical stage and slide clip
- Transversal and longitudinal adjustment by fingertip control
- 90mm transversal movement
- 60mm longitudinal movement
- nonius reading up to 0.1 mm

Focusing knobs:

coaxial coarse and fine

- pre-focusing mechanism (on left knob)
- tension adjustment ring (on right knob)

Mains power: 220-240V/50-60 Hz (Euro connector)

Converter: built-in low voltage (6V- electronic) with light intensity control

Illumination:

Brightfield: 6V/30W

Reflected: High pressure Mercury bulb - HBO 100W

Supplied with: blue and green filter, 1 spare bulb, 2 spare fuses, immersion oil 10 ml,

external lamphouse and power supply (for fluorescent attachment) with connecting cable

Anti-UV protections screen, soft rubber eyecups, dust cover and instruction manual.

Packing: Microscope / two styrofoam shelves in a cardboard box - Fluorescent attachment / Peli case

Packing dimensions: 2 Boxes @ 22Kg / 0.14 m³

Fluorescent attachment:

* A fluorescent filter turnplate with 5 positions:

Neutral (brightfield)

UV (ultraviolet) excitation filter - 330-400 nm, barrier filter 425nm

V (violet) excitation filter - 395-415 nm, barrier filter 455nm

B (blue) excitation filter - 420-485 nm, barrier filter 520nm

G (green) excitation filter - 460-550 nm, barrier filter 580nm

* External lamphouse & power supply

Camera:

Motic CCD Camera

Moticam Pro 205A

C?CS Mount Scientific Camera (1.4Mp)

Sony Sensor: ICX 205AK Q Color

Sensor Size: 1/2"

Resolution: 1360×1024 Pixels USB 2.0

Pixel Size: 4.65×4.65

Motic USB2 Driver



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User Instructions

1. Provide samples mounted on slides with cover slip.

Contact Us

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