

MICROSCOPIA OTTICA (OM)



Polarized light microscopy

Model Zeiss Axio Imager . A1m

In transmitted-light:

- Orthoscopy: linear and circular polarization
- Conoscopy
- Brightfield

- Darkfield
- Differential Interference Contrast (DIC)
- Polarization

In reflected-light:

- Brightfield
- Darkfield
- Polarization
- Differential Interference Contrast (DIC)

Objective:

LC EC Epiplan-NEOFLUAR 20x/0.22 HD DIC

LC EC Epiplan-NEOFLUAR 50x/0.55 HD DIC

EC Plan-NEOFLUAR 2,5x/0.075

EC Plan-NEOFLUAR 10x/0.3 Pol

EC Plan-NEOFLUAR 20x/0.5 Pol

EC Plan-NEOFLUAR 40x/0.9 Pol

Cameras:

AxioCam ICc5

Software AxioVision modules:

Panorama (image acquisition scanning stage), Automeasure.

2D observations. Crystal physics characterization with optical properties of materials. Textural and morphological characterizations. Materials Type: minerals and rocks, gems, cultural heritage, biology.



Axio Zoom.V16 (focus motor)

Objective:

PlanApo Z 1.0x/0.25 FWD 60

Apo Z 1.5x/0.37 FWD 30

Stero discovery. V20 (focus motor)

Objective:

PlanApo S 1.0x FWD 60

PlanApo S 1,5x FWD 30

Illumination:

CL 9000 LED CAN with fiber optic spot, annular, linear, vertical, diffuser, area illumination and Epi-Illuminator Z, LED annular lights with segmenting function, Fiber optic and LED transmitted light systems.

Illumination techniques:

Brightfield, darkfield, oblique light,

Cameras:

AxioCam ICc5

Software AxioVision modules:

Extended Focus (calculation of a sharp image from several focus planes), Interactive Measurement (expanded interactive measurement techniques).

3D observations, Morphological and textural characterizations, observation and study of physical properties (growth effect, luster, color, fracture, inclusion, etc.). Materials Type: minerals and rocks, gems, cultural heritage, films, polymer, etc.

Contatti:

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