

## Epi-Fluorescence Microscope

### Microscope, Optika B-510FL, Trinocular, epi-fluorescence

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Fluorescence microscopes are widely used to perform a variety of laboratory tests and observations involving the study of tissue samples to detect particular proteins or to evaluate cultured cells as well as those in suspension. In addition to this, fluorescence microscopy is invaluable in the study of DNA sequences as these particles are extremely small and hard to detect. Obtaining spatial data concerning tissue or cell genetics is achieved by the use of immunofluorescence, as is the observation of parasites and bacteria.

#### Technical Specifications

Head	Trinocular, 30° inclined, splitting ratio eyepieces/photo tube: 0% - 100% / 50% - 50% / 100% - 0%
Eyepieces	Plan wide field, PL 10x/22 with dioptic adjustment on left eyepiece
Nosepiece	Quintuple reversed
Objectives	W-Plan IOS F 4x, 10x, 20x and 40x
Focusing system	Coaxial coarse and fine
Stage	Rack less, 233 x 147mm, movement range 78 x 54mm
Condenser	N.A. 0.2/0.9 swing-out with centering system
Incident light and diaphragms	High-pressure mercury lamp (100W)
Transmitted light and diaphragms	X-LED <sup>3</sup> (3.6W) manual brightness control

Cat. No.	Model	Description
MS/55622	B-510FL	Epi-fluorescence Trinocular microscope



MS/55622

## Metallurgical Microscope

### Microscope, Optika B-510METR

**OPTIKA**  
MICROSCOPES  
ITALY

Metallurgical microscopy offers high magnification with reflected and transmitted light to aid in examining the microscopic mechanisms that affect the behaviour of metals, their composites and alloys. Not only can the instrument be used for measuring grain size, surface inclusions and defects, it can also be used for the detection and monitoring of fatigue, corrosion, creep, stress ruptures, fractures, cracks and crack propagation, to name but a few. These microscopes are not limited to the metallurgical laboratories, they can also be found in the ceramic industry and even in the field of forensics.

#### Technical Specifications

Head	Trinocular, 30° inclined, splitting ratio eyepieces/photo tube: 50% - 50%
Eyepieces	Plan wide field, PL 10x/22 with dioptic adjustment on left eyepiece
Nosepiece	Quintuple reversed
Objectives	W-Plan IOS MET 4x, 10x, 20x and 50x
Focusing system	Coaxial coarse and fine
Stage	Rack less, 233 x 147mm, movement range 78 x 54mm
Incident light and diaphragms	High-efficiency X-LED <sup>8</sup> (8 W, comparable to a 100 W halogen bulb), manual brightness control
Accessories included	Polarizer and rotating analyser filters

Cat. No.	Model	Description
MS/55632	B-510METR	Metallurgical upright Trinocular microscope



MS/55632