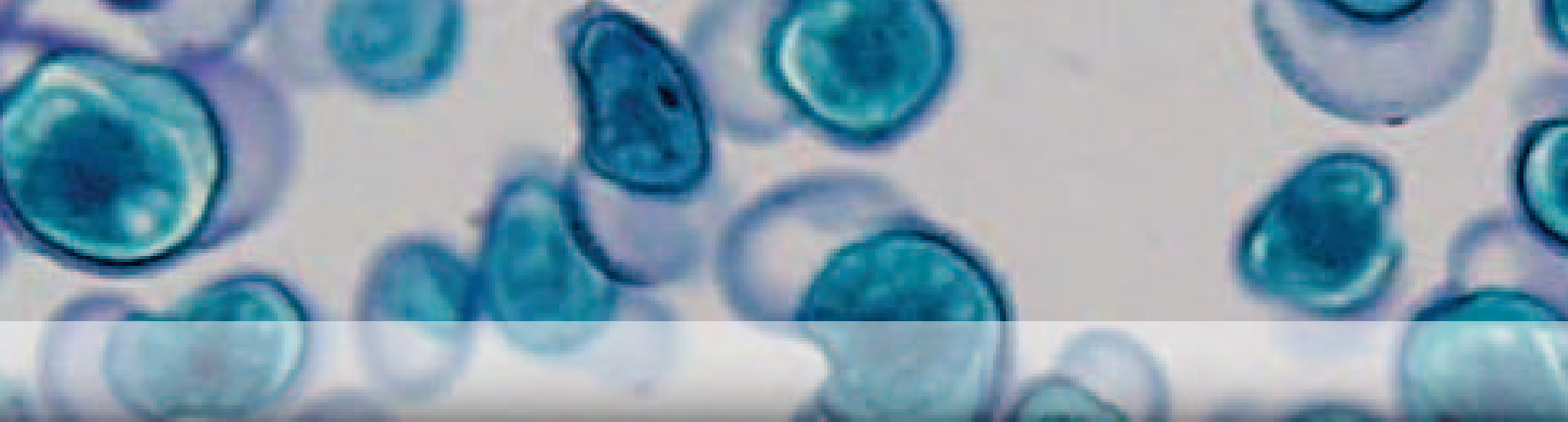


B-150 Series

Advanced biological microscopes for students



B-150



B-150 Series

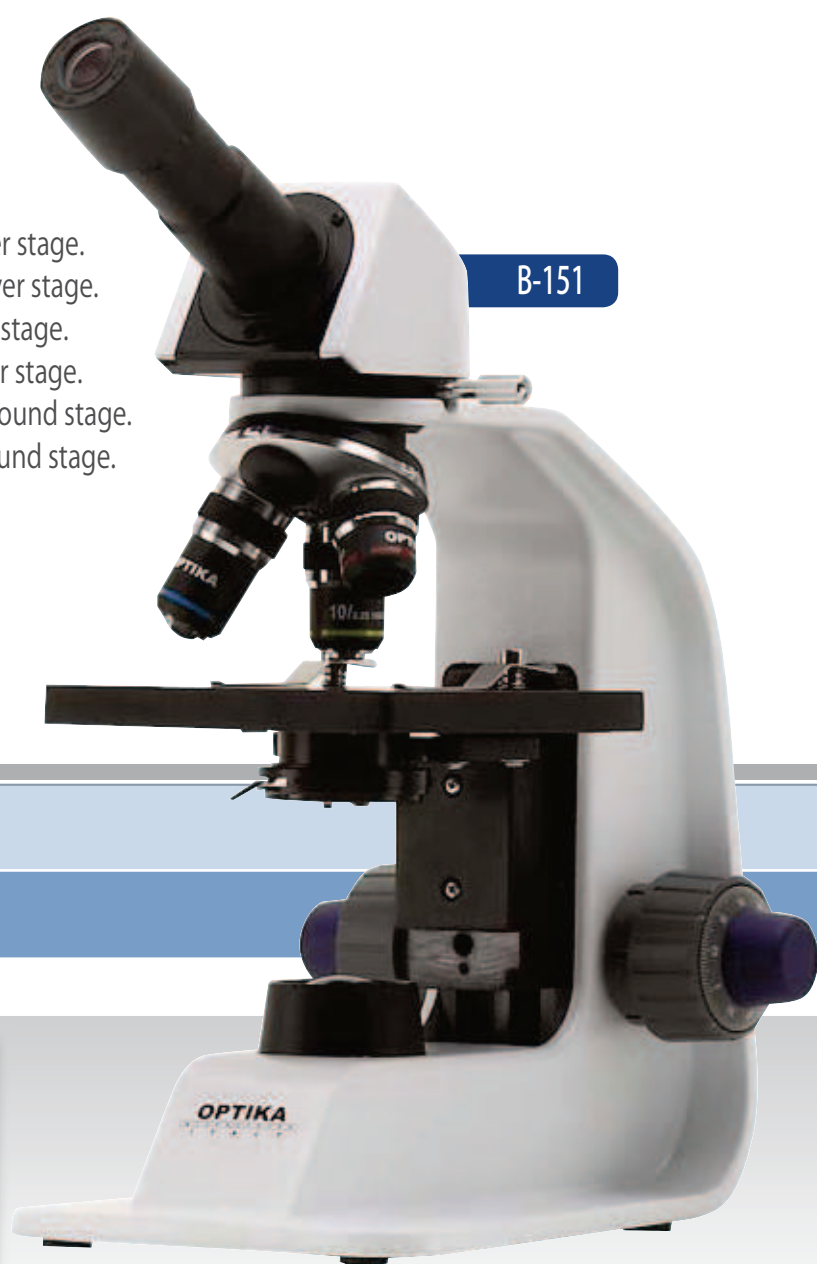
The B-150 series has been designed to fulfill all requirements of educational laboratories.

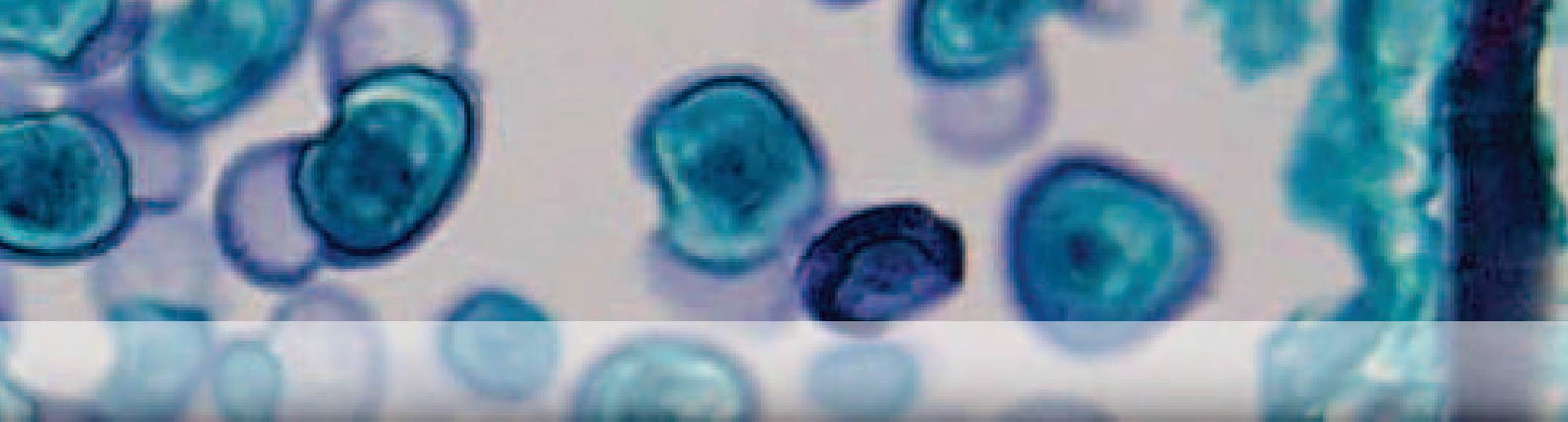
The available models allow a pleasant and effective approach to the world of microscopy.

The quality of the optics, the reliability of the mechanical parts and the excellent price/quality ratio rank these instruments at the top of their category.

B-151	Monocular microscope, 400x, fixed stage.
B-153	Monocular microscope, 600x, double layer stage.
B-155	Monocular microscope, 1000x, double layer stage.
B-157	Binocular microscope, 600x, double layer stage.
B-159	Binocular microscope, 1000x, double layer stage.
B-150POL-M	Monocular polarizing microscope, 400x, round stage.
B-150POL-B	Binocular polarizing microscope, 400x, round stage.

B-151





B-150 Series

Heads

Binocular observation head, 30° inclined and 360° rotatable.

Interpupillary adjustment 48-75 mm.

Diopter adjustment on the left eyepiece.

Monocular observation head, 30° inclined and 360° rotatable.

Focusing

Coaxial coarse and fine focusing mechanism (graduation: 0.002mm) with limit stop to prevent the contact between objective and specimen.

Adjustable tension of coarse focusing knob.

Specimen stages

Double layer mechanical sliding stage, 125x116mm, 76x30mm X-Y movement range.

Specimen holder for one slide.

Vernier scale on the two axes, accuracy: 0,1mm.

B-151: plain stage, 125X120mm.

B150POL-M and B-150POL-B: rotatable round stage, 120mm diameter.

Illumination

Light source type: white LED; light intensity controlled by a knob on the left side of the base.

LED power: 1W.

Color temperature: 6300K

LED average lifetime: approx. 50.000h

External power supply: 100/240Vac, 50/60Hz. Output: 5Vdc, 500mA.

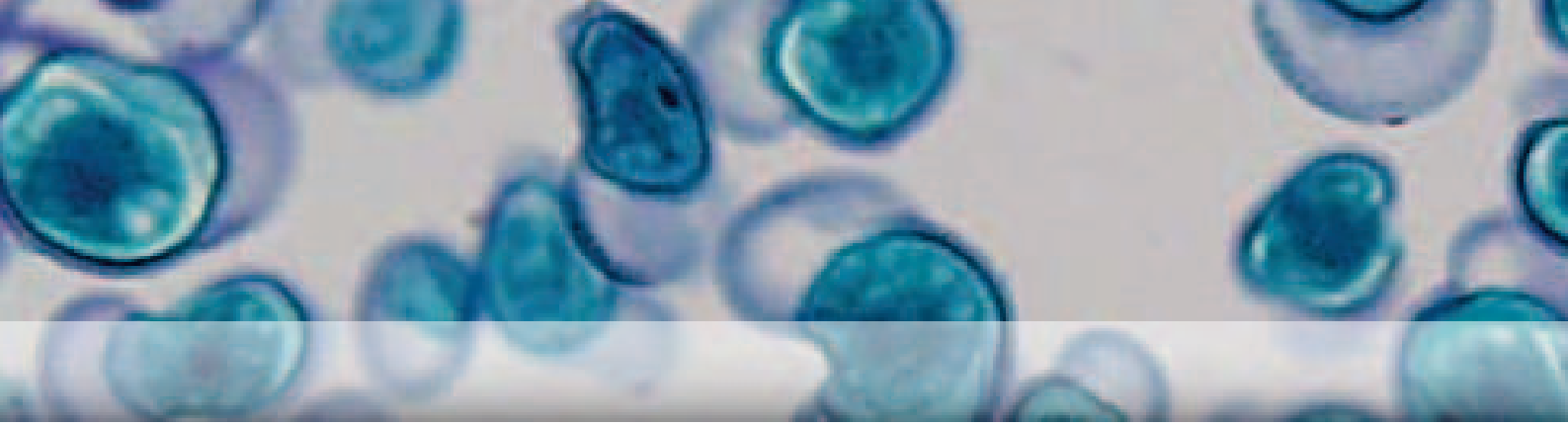
Condenser

Abbe condenser, 1.2 N.A., precentered.

B-151: Abbe condenser 0.65 N.A., precentered.

B150POL-M and B-150POL-B: 1.2 N.A. fixed condenser.





B-150 Series

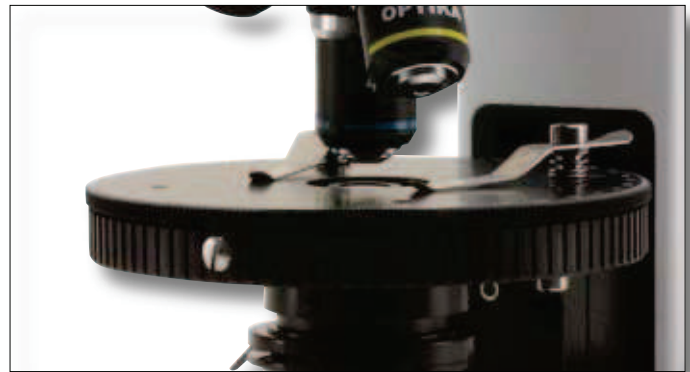
Polarizing models

Microscopes designed for simple polarization analysis.

Available in monocular and binocular versions.

The two models are equipped with a swing-out polarizer and a slide-out analyzer as well as a rotating table.

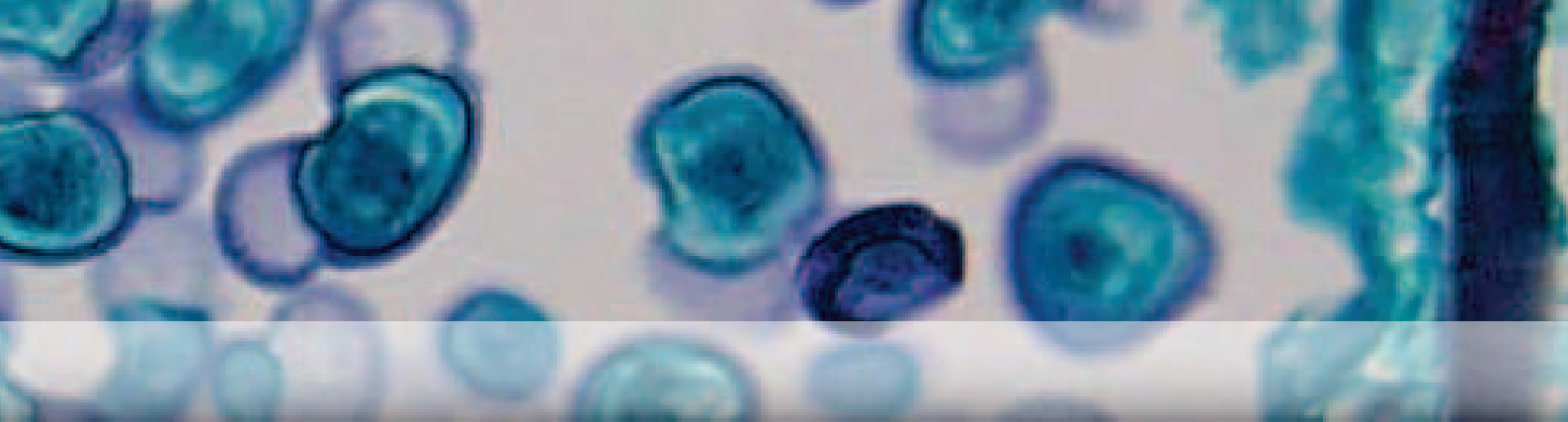
B-150POL-M and B-150POL-B are suitable for common observations with polarized light in the educational field.



B-150POL-M



B-150POL-B



B-150 Series - Technical specifications

Model	Head	Eyepiece	Objectives	Stage	Condenser	Focusing system	Illuminator
B-151	Monocular	WF10x/18mm	Achromatic 4X/10X/40X	Plain stage, 125x120mm with sample clips	0.65 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
B-153	Monocular	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
B-155	Monocular	WF10x/18mm	Achromatic 4X/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
B-157	Binocular	WF10x/18mm	Achromatic 4X/10X/40X/60X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
B-159	Binocular	WF10x/18mm	DIN Achromatic 4X/10X/40X/100X	Mechanical stage, 125x116mm with specimen holder	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply
B-150POL-M	Monocular	WF10x/18mm	DIN Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply. Rotatable swing-out po- larizer, slide-out analyzer
B-150POL-B	Binocular	WF10x/18mm	DIN Achromatic 4X/10X/40X	Rotatable stage, 120mm diameter	1.2 N.A. with diaphragm	Coaxial coarse and fine focusing mechanism with limit stop	1W LED with external power supply. Rotatable swing-out po- larizer, slide-out analyzer

