

MicroBlue

Brand: Euromex

Product Code: AC001EM

Availability: In Stock



Short Description

The modern MicroBlue is an entry-level microscope and is especially appreciated when budget is limited.

Description

Microscopes for education need to be easy-to use and student-friendly, which means able to withstand extensive use and rough handling. High quality, yet affordably priced Euromex microscopes specifically match these demands due to the well-thought construction and usage of top-class materials

The modern MicroBlue is an entry-level microscope and is especially appreciated when budget is limited. The basic model comes with a fixed lens condenser and a plain stage. All models with an integrated mechanical stage are supplied with an Abbe condenser. All models are equipped with 35 mm achromatic objectives. The built-in rechargeable batteries enable cordless operation.



Icons are used to indicate the several functions of a microscope.

[Click](#) and find more details about the meaning of each icon

Models

MicroBlue

MODEL	Monocular	Binocular	Trinocular	Maximum objectives	4/10/S40 objectives	S60x objective	S100x objective	Mechanical X-Y stage
MB.1001	•			3	•			
MB.1051	•			4	•			•
MB.1651	•			4	•	•		•
MB.1151	•			4	•		•	•
MB.1052		•		4	•			•
MB.1652		•		4	•	•		•
MB.1152		•		4	•		•	•
MB.1053			•	4	•			•
MB.1653			•	4	•	•		•
MB.1153			•	4	•		•	•

Digital models

MODEL	Digital mono	Maximum objective	4/10/S40 objective	S60x objective	Mechanical X-Y	LED	NeoLED	Batteries
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		ves	es		stage		
MB.1055	•	4	•		•	•	•
MB.1655	•	4	•	•	•	•	•
MB.1155	•	4	•		•	•	•

Specifications

EYEPIECE(S)

- Wide field WF 10x/18 mm eyepiece(s)
- Secured and with pointer for monocular versions



Photo's (from left to right) Monocular head, binocular head, trinocular head and digital monocular head

HEAD

- Monocular models with 45° inclined tubes
- Binocular models have 45° inclined tubes, adjustable interpupillary distance between 48 and 75 mm and a ± 5 diopter adjustment on left tube
- Trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75 mm and equipped with a ± 5 diopter adjustment on the left tube
- The trinocular head has a fixed light path beamsplitter (50:50) and generates an erect image
- Models with digital head are supplied with a integrated 1.3 MP 1/2.5" CMOS sensor with 1272 x 952 pixel resolution USB 2.0 camera
- All heads are 360° rotatable and secured



NOSEPIECE

Revolving nosepiece for three or four reversed objectives on ball bearings

OBJECTIVES

- Achromatic 4x/0.10, 10x/0.25 and S40x/0.65. Models with S60X or S100x oil immersion are also available
- The S40x, S60x and S100x oil immersion objectives are spring loaded

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

FOCUSING

- Coaxial coarse and fine adjustments, 200 graduations, 15 μm per graduation, 3 mm per rotation, total travel approximately 15 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- The coarse adjustment are equipped with friction control

STAGE

All models are supplied with 115 x 100 mm stage with integrated 55 x 20 mm X-Y mechanical stage, except for the basic model MB.1001 which is supplied with a 105 x 105 mm stage and two non-removable clamps

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder, except for the MB.1001 model and MB.1001-LCD models which are equipped with a single N.A. 0.65 condenser with built-in iris diaphragm

ILLUMINATION

- All monocular versions are supplied with an adjustable 1W LED illumination

- The binocular and trinocular versions are supplied with a replaceable 1 W NeoLED™ illumination system for increased light output
- All models have internal rechargeable batteries with an external 100-240 V battery charger/mains adapter

PACKAGE CONTENT

- Supplied with mains adapter-charger, white filter, dust cover, user manual and 5 ml immersion oil for models with an S100x objective.
- Software included for digital models
- All packed in a polystyrene box

DIGITAL MODELS

CAMERA

- All the MicroBlue build in digital camera microscopes are equipped with a 1.3 MP CMOS USB-2 camera
- Maximum resolution 1272 x 952, 24 bits color depth, up to 30 frames per second
- Delivered with ImageFocus 4 software, USB-2 cable and a micrometer 1mm/100 slide.
- Warranty for the camera is two years

SOFTWARE

- The capture and analysis ImageFocus 4 software allows to save images in .jpg, .tif or .bmp formats as well as .avi format videos
- Images can be annotated and measurements can be performed in live or captured images
- Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations
- Mac OS Light version is also available for capturing images
- Updates can be downloaded on this website

Product Gallery

