

MicroBlue



HIGHLIGHTS

- Entry-level microscopes
- Monocular, binocular and trinocular models
- Digital and LCD models
- Revolving reversed nosepiece
- Integrated X-Y mechanical stage
- LED and NeoLED™ illumination
- Cordless operation
- Ergonomic carrying grip
- Five years warranty



● MB.1001

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

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

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
- LCD version with 5.6" LCD screen
- All heads are 360° rotatable and secured except for the LCD head, which is secured fixed

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 adjustments are equipped with friction control



Monocular head



Binocular head



Trinocular head



Digital monocular head



Digital LCD head

NOSEPIECE

Revolving nosepiece for 3 or 4 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*

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

DIGITAL MODELS

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 and LCD models
- All packed in a polystyrene box

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 our website www.euromex.com

LCD SCREEN

All the MicroBlue LCD microscopes are equipped with 5.6" LCD screen

- Screen resolution 640 x 480
- Save images and videos directly to SD card
- Image resolution 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480 in .JPEG format
- Video resolution 640 x 480 in .AVI format
- Warranty for the camera is 2 years



● MB.1155

● MB.1051-LCD

● MB.1051

● MB.1152

● MB.1153

MODELS	Mono	Bino	Trino	Maximum objectives	4/10/S40x objectives	S60x objective	S100x objective	Mechanical X-Y stage	LED	NeoLED	Batteries
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	•		•	•		•	•

MODELS	Digital LCD	Digital mono	Maximum objectives	4/10/S40x objectives	S60x objective	S100x objective	Mechanical X-Y stage	LED	NeoLED	Batteries
MB.1001-LCD*	•		3	•				•		•
MB.1051-LCD*	•		4	•			•	•		•
MB.1055		•	4	•			•		•	•
MB.1655		•	4	•	•		•		•	•
MB.1155		•	4	•		•	•		•	•

* models with LCD-screen

ACCESSORIES AND SPARE PARTS

- MB.6010** Wide field 10x/18 mm eyepiece with pointer
- MB.6010-P** Wide field 10x/18 mm eyepiece with pointer
- MB.6010-M** Wide field 10x/18 mm eyepiece with micrometer scale
- MB.6015** Wide field 15x/11 mm eyepiece
- MB.6020** Wide field 20x/9 mm eyepiece

MB.6099 Pair of eyecups

- MB.7004** Achromatic 4x/0.10 objective, 35 mm parfocal
- MB.7010** Achromatic 10x/0.25 objective, 35 mm parfocal
- MB.7020** Achromatic 20x/0.40 objective, 35 mm parfocal
- MB.7040** Achromatic S40x/0.65 objective, 35 mm parfocal
- MB.7060** Achromatic S60x/0.85 objective, 35 mm parfocal
- MB.7000** Achromatic S100x/1.25 objective, 35 mm parfocal

MB.9710 Frosted filter

- MB.9900** Aluminium transport case
- AE.9918** Nylon microscope bag, dimensions 26 x 18 x 400 mm
- MB.9975** External mains/charger adapter 100-240 Vac/5 Vdc (50/60 Hz)
- MB.9981** 1 W LED replacement unit
- MB.9991** 1W NeoLED replacement unit for binocular MicroBlue

- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- PB.5157-W** Microscope slides 76 x 26 mm, ground edges. White frosted side, 50 pieces per pack
- PB.5157-B** Microscope slides 76 x 26 mm, ground edges. Blue frosted side, 50 pieces per pack
- PB.5160** Microscope slides 76 x 26 mm with cavity, grinded edges. 10 pieces per pack
- PB.5165** Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces
- PB.5168** Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5255** Immersion oil, n = 1.482 (25 ml)
- PB.5274** Isopropyl alcohol 99% (200 ml)
- PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs

Ödön Csáki



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