euromex microscopes holland

MicroBlue

BlueLine

HIGHLIGHTS

- **Entry-level microscopes for brightfield observation**
- **Monocular, binocular and trinocular models**
- **Digital and LCD models**
- **Provided with APL (Anti-bacterial Protection Layer)**
- **Revolving reversed nosepiece**
- **Integrated X-Y mechanical stage**
- **LED and NeoLED™ illumination**
- **Cordless operation (except for the LCD models)**
- **Ergonomic carrying grip**
- **Five years warranty**

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
- Two digital heads are available:
  An integrated 1.3 MP 1/2.5" CMOS sensor USB 2.0 camera, 1272 x 952 pixels
  An integrated 5.0 MP 1/2.8" CMOS sensor USB 2.0 camera, 2560 x 1920 pixels
- LCD version with 7" LCD screen
- All heads are 360° rotatable and secured except for the LCD head, which is secured fixed

NOSEPIECE

Revolving nosepiece for 3 or 4 reversed objectives on ball bearings

MONOCULAR MODEL MB.1001
298 (h) x 151 (w) x 202 mm (d) | 2.0 kg
MONOCULAR, MECHANICAL STAGE MB.1151
298 (h) x 151 (w) x 202 mm (d) | 2.2 kg
BINOCULAR MODEL, MECHANICAL STAGE MB.1152
298 (h) x 151 (w) x 202 mm (d) | 2.8 kg

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

APL (ANTIMICROBIAL PROTECTION LAYER)

Using the same technology already used extensively throughout the healthcare environment in wall coatings, patient lighting, air pressure stabilization and suction liners, APL prevents the growth of unwanted microbes that can cause degradation, discoloration, staining or odors of the Euromex microscopes

Monocular head

Binocular head

Trinocular head

Digital monocular head

Digital LCD head

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

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

ILLUMINATON

- 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. LCD versions do not run on batteries

ANTI-THEFT SLOT

At the back of the microscope a Kensington Security Slot is placed, which can be used to secure the instrument from theft

PACKAGE CONTENT

- Supplied with mains adapter-charger, three rechargeable AA batteries, white filter, dust cover, user manual and for models with an S100x objective, 5 ml immersion oil
- Software, USB-2 cable (except for the LCD models) and a micrometer 1mm/100 slide are included (for camera models)
- External power supply for LCD screen
- All packed in a polystyrene box

DIGITAL MODELS

1.3 MP CAMERA

- This model is 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
- Warranty for the camera is two years

SOFTWARE

- The ImageFocus 4 software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Measurements can be done on still and live image
- Compatible with Windows 10 and higher, both 32 and 64 bits configurations
- Mac OS-Light version is also available for capturing images
- Free updates can be downloaded on our website www.euromex.com

5.0 MP CAMERA

- This model is equipped with a 5.0 MP CMOS USB-2 camera
- Maximum resolution 2560 x 1920, 24 bits color depth, up to 30 frames per second
- Delivered with ImageFocus Plus software
- Warranty for the camera is two years

SOFTWARE

- The ImageFocus Plus software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Images can be annotated and measurements can be performed in live or captured images
- Compatible with Windows 10 and higher, both 32 and 64 bits configurations
- Mac OS version is also available
- Free updates can be downloaded on our website www.euromex.com

LCD SCREEN

All the MicroBlue LCD microscopes are equipped with 7" IPS LCD screen

- Screen resolution 1920 x 1080 @ 30 fp
- Save images and videos directly to micro SD card
- Image resolution upto 1844 x 1080 in .JPEG format
- Video resolution 1280 x 720 .AVI format
- Basic measurement function (line) with calibration. Calibration slide available as option
- Warranty for the screen is 2 years

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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.1153			•	4	•		•	•		•	•

MODELS	Digital LCD	Digital mono	1.3 MP	5.0 MP	Maximum objectives	4/10/S40x objectives	S60x objective	S100x objective	Mechanical X-Y stage	LED	Batteries
MB.1001-LCD*	•				3	•				•	•
MB.1051-LCD*	•				4	•			•	•	•
MB.1055-5 [2]		•		•	4	•			•	•	•
MB.1655-1 [1]		•	•		4	•	•		•	•	•
MB.1655-5 [2]		•		•	4	•	•		•	•	•
MB.1155-1 [1]		•	•		4	•		•	•	•	•
MB.1155-5 [2]		•		•	4	•		•	•	•	•

** models with LCD-screen. LCD versions do not run on batteries*

[1] MB.xxxx-1 = model with a integrated 1.3 MP CMOS USB-2.0 camera

[2] MB.xxxx-5 = model with a integrated 5.0 MP CMOS USB-2.0 camera

MB.1155

MB.1051-LCD

MB.1051

MB.1152

MB.1153

ACCESSORIES AND SPARE PARTS

EYEPIECES

AE.5571 Wide field eyepiece WF 5x/18 mm
MB.6010 Wide field WF 10x/18 mm eyepiece
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 WF 15x/11 mm eyepiece
MB.6020 Wide field WF 20x/9 mm eyepiece
MB.6099 Pair of eyecups

OBJECTIVES

MB.7004 Achromatic 4x/0.10 objective, 35 mm parafocal. WD 27.2 mm
MB.7010 Achromatic 10x/0.25 objective, 35 mm parafocal. WD 7 mm
MB.7020 Achromatic 20x/0.40 objective, 35 mm parafocal. WD 1 mm
MB.7040 Achromatic S40x/0.65 objective, 35 mm parafocal. WD 0.6 mm
MB.7060 Achromatic S60x/0.85 objective, 35 mm parafocal. WD 0.62 mm
MB.7000 Achromatic S100x/1.25 objective, 35 mm parafocal. WD 0.15 mm
WD = Working distance

CAMERA ACCESSORIES

AE.5130 Universal SLR adapter with built-in 2x lens for standard 23.2 mm tube. Needs T2 adapter
AE.5025 T2 ring for Nikon D SLR digital camera
AE.5040 T2 ring for Canon EOS SLR digital camera

MISCELLANEOUS

MB.9710 Frosted filter
MB.9975 External mains adapter-charger 100-240 Vac/5 Vdc (50/60 Hz)
MB.9981 1 W LED replacement unit
MB.9991 1 W NeoLED™ replacement unit
AE.5202 Blue filter, diameter 32 mm
AE.5203 Yellow filter, diameter 32 mm
AE.5204 Neutral grey filter, diameter 32 mm
AE.5205 Green filter, diameter 32 mm
AE.5207 Blue filter plexiglass, diameter 32 mm
MB.9900 Aluminum transport case
AE.9918 Nylon microscope bag (25 x 39 x 19 cm)
AE.9912 Euromex dust cover medium (35 x 39 cm)

DISPOSABLES

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.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 = 1.515 (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
PB.5276 Microscope maintenance and servicing kit, 16 pcs: cleaning brush, 6 pcs screwdriver set, air blower, 3 pcs Allen key, 1.5, 2, 2.5 mm, lens cleaning fluid 20 ml, cleaning cloth 140 x 140 mm, 100 pcs lens tissue sheets, tube of maintenance grease, 10 ml bottle of oil, packed in a nice toolbox

MB.9900

AE.9918

AE.9912

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