



CATALOG 2016

PART 1 MICROSCOPES
FOR EDUCATION

 **euromex**
microscopes holland

Since 1966!

Euromex
**MICROSCOPE
COLLECTION**
2016

PART 1 MICROSCOPES
FOR EDUCATION

PART 2 MICROSCOPES
FOR LABORATORIES

PART 3 MICROSCOPES
FOR INDUSTRY



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Euromex Catalog 2016



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MicroBlue • EcoBlue • BioBlue • BioBlue.Lab • B and B+ series

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EduBlue • StereoBlue • NexiusZoom • AP series

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LABORATORIES | DIGITAL SOLUTIONS

Digital microscope • USB Cameras • Software • HD cameras
WiFi camera • Tablet camera • CCD cameras • Adapters

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iScope (material & polarization) • Oxion Inverso (material) • Oxion (material) • B series (material)

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INDUSTRY | DIGITAL SOLUTIONS

USB Cameras • Software • HD cameras • WiFi camera • Tablet camera • CCD camera • Adapters

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Magnifiers & measuring microscopes • Refractometer • Polarimeter • Spectroscopes • PathoScan

Euromex Microscopen bv is a leading manufacturer of microscopes and other optical instruments. Founded in 1966, Euromex has become a world-class supplier of biological and stereo microscopes

The corporate office is based in Arnhem, The Netherlands. A facility with a 2,000 m² conditioned logistics warehouse, an optomechanical workshop, an R&D department and a high-level quality control department

Around the world, Euromex operates in more than 120 countries through distributors, resellers and agents. A wide variety of customers such as schools and educational institutes, clinical and research laboratories and a broad range of industrial customers are using Euromex microscopes

Euromex Microscopen bv is a subsidiary of Euromex Optics Group bv, a group holding company with active subsidiaries in the field of optical instruments and high level optical and opto-mechanical components

Choose the right
EuromexMicroscope

We have made a guide to help you to find the right microscope for your specific application. A list of recommended models for most common applications in education, laboratories and industry can simplify your selection

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Biological

Education



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Biological

Education

The Euromex biological *BlueLine* educational product range is an outcome of many years experience in teaching microscopy and the extensive knowledge of our optical engineers. Input from practice teachers, professors and students in combination with the high-level design and manufacturing capabilities of Euromex have resulted in these high quality instruments

The outstanding optical performance of the ergonomic Euromex *BlueLine* microscopes enables long productive working sessions for students for beginner, intermediate and advanced science teaching classes

BIOLOGICAL MICROSCOPES



FEATURED



Monocular model MB.1001

MicroBlue

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

MONOCULAR MODEL MB.1001	
Dimensions	Weight
(h) 298 x (w) 151 x (d) 202 mm	2.0 kg

MONOCULAR MODEL WITH MECHANICAL STAGE MB.1151	
Dimensions	Weight
(h) 298 x (w) 151 x (d) 202 mm	2.2 kg

BINOCULAR MODEL WITH MECHANICAL STAGE MB.1152	
Dimensions	Weight
(h) 298 x (w) 151 x (d) 202 mm	2.8 kg



HIGHLIGHTS

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



Binocular model MB.1152

TECHNICAL SPECIFICATIONS

EYEPIECES

Wide field WF 10x/18 mm secured eyepiece with pointer. The eyepieces of the binocular models are supplied without pointer

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. All heads are 360° rotatable

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

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 that is 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 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

PACKAGING

Supplied with mains adapter-charger, dust cover, user manual and 5 ml immersion oil for models with an S100x objective.

Supplied with a white filter. All packed in a polystyrene box

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine

YouTube channel: **Euromex Optics Group B.V.**



TECHNICAL FACTS

ACCESSORIES AND SPARE PARTS

MB.6010 Wide field WF 10x/18 mm eyepiece with pointer

MB.6015 Wide field WF 15x/11 mm eyepiece

MB.6020 Wide field WF 20x/9 mm eyepiece

MB.6010-M Wide field WF 10x/18 mm eyepiece with micrometer

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.9975 External mains/charger adapter

100-240 Vac/5 Vdc (50/60 Hz)

MB.9981 1 W LED replacement unit

PB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces

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

MODELS

	Monocular	Binocular	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	•		•	•		•	•



Objectives

Most common microscope objectives come in three different types: achromatic, semi plan and plan

Achromatic objectives

Usually contain a pair of lenses and correct for colour and have a flat field correction for about 65% of the image. If there are aberrations they occur in the outer 35% of the image

Semi plan objectives

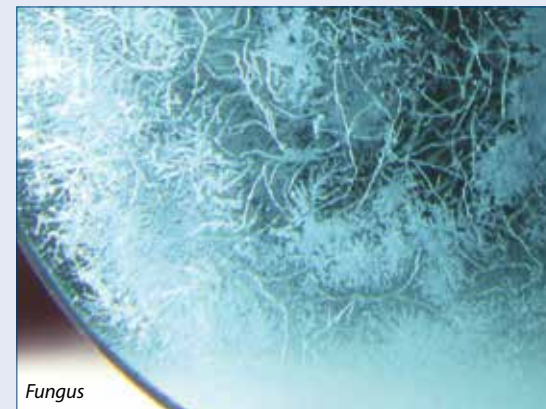
Contain three or more (achromatic) lens elements and have an 80% flat field.

Semi plan objectives have an improved resolution

Plan objectives

Correct even better for colour and spherical aberration than semi plan objectives.

Plan objectives have a 95% flat field and produce the best image quality



Fungus

ANTI-FUNGUS TREATED

Fungus spores are parasitic, travel in the air and can settle inside lenses. High temperatures, humidity and environments that are dark and unventilated encourage fungus growth

The optical components are anti-fungus treated. Nevertheless it is best to minimize the possibility of fungus by storing the microscopes in well-ventilated rooms with moderate temperatures and low humidity

BIOLOGICAL MICROSCOPES



FEATURED



EcoBlue

The modern microscopes of the EcoBlue series are especially developed for educational purposes with primary focus on ergonomic and excellent price/quality ratio. These microscopes are supplied with secured eyepieces and adjustable rack stop to prevent damage to sample and objectives

MONOCULAR MODEL EC.1001	
Dimensions	Weight
(h) 355 x (w) 270 x (d) 220	2.48 kg

BINOCULAR MODEL EC.1152	
Dimensions	Weight
(h) 360 x (w) 170 x (d) 214	2.95 kg

POLARIZATION MODEL EC.2001-POL	
Dimensions	Weight
(h) 355 x (w) 170 x (d) 214	3.35 kg



EC.1001



HIGHLIGHTS

- Monocular, binocular and trinocular models with WF10x/18 mm eyepiece(s)
- Models with integrated 3.2 MP CMOS camera
- Models for polarization applications
- Revolving nosepiece with 4 achromatic objectives
- Models with integrated mechanical stage available
- Coaxial coarse and fine adjustments with rack stop
- Height adjustable Abbe condenser with iris diaphragm and filter holder
- 1 W LED illumination with integrated power supply
- 1 W NeoLED™ illumination with rechargeable batteries and external 100-240 Vac mains/charger adapter
- Ergonomic designed stand
- Warranty 5 years



EC.2001-POL

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

Wide field WF 10x/18 mm eyepiece with pointer. The eyepieces of the binocular and trinocular models are supplied without pointer

HEAD

Monocular models with 45° inclined tubes. Binocular and trinocular models have 30° inclined tubes. The interpupillary distance is adjustable between 48 and 75 mm. All binocular and trinocular models have a diopter ± 5 diopter adjustment on left tube. All heads are 360° rotatable. Models with an integrated USB-2 camera are supplied with a 3.2 MP 1/2" CMOS sensor with 2048 x 1536 pixels resolution

The EcoBlue can also be supplied with a discussion head

NOSEPIECE

Revolving nosepiece for 4 reversed objectives on ball bearings. Models for polarization are supplied with swing-out analyzer

OBJECTIVES

Achromatic 4x/0.10, 10x/0.25 and S40x/0.65 objectives. Models EC.1151, EC.1152 and EC.1153 also have an S100x oil immersion objective. 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, 12.5 µm per graduation, 2.5 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

STAGES

Plain 123 x 119 mm stage with two non-removable object clamps (optional EC.9500 attachable 51 x 26 mm X-Y mechanical stage available). Plain 123 x 128 mm stage with integrated 70 x 27 mm X-Y mechanical stage. The models for polarization are supplied with 129 mm circular stage, 360° rotatable and 2 object clamps

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder. The models for polarization have a rack & pinion adjustment, all other models carry a helicoidal adjustment

ILLUMINATION

Monocular models are supplied with a 1 W LED illumination with integrated power supply. Binocular and trinocular models are supplied with an adjustable 1 W NeoLED™ illumination system for increased light output. Models EC.1151, EC.1152, EC.1153, EC.1652 and EC.1653 are supplied with rechargeable batteries and an external 100-240 V battery charger/mains adapter

The models for polarization are standard supplied with a 20 W halogen illumination for correct color rendering and an integrated 100-240 V power supply; on special request. LED illumination is also available

CAMERA AND SOFTWARE

Models with integrated 3.2 MP CMOS USB-2 camera are supplied with the ImageFocus 4 capture and measurement software. Besides capturing of images and videos, this software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations

PACKAGING

Supplied with power cord or mains adapter-charger, dust cover, spare fuse, user manual and 5 ml immersion oil for models with an S100x objective. Models for polarization with a halogen illumination are supplied with blue filter, models with LED illumination are supplied with white filter. All packed in a polystyrene box

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine

YouTube channel: **Euromex Optics Group B.V.**



MODELS

	Monocular	Binocular	Trinocular	Digital	S60x objective	S100x objective	Mechanical X-Y stage ⁽¹⁾	LED	NeoLED™	Batteries ⁽²⁾	Polarization ⁽³⁾
EC.1001	•							•			
EC.1101	•					•		•			
EC.1601	•				•			•			
EC.1051	•						•	•		•	
EC.1151	•					•	•	•		•	
EC.1152		•				•	•		•	•	
EC.1652		•			•		•		•	•	
EC.1153			•			•	•		•	•	
EC.1653			•		•		•		•	•	
EC.1005	•			•				•			
EC.1105	•			•		•		•			
EC.1605	•			•	•			•			
EC.2001-P	•										•
EC.2101-P	•					•					•
EC.2601-P	•				•						•

(1) Integrated mechanical stage with 70 x 27 mm X-Y travel range

(2) With an external 100-240 V battery charger/mains adapter

(3) Polarization models supplied with 20 W halogen illumination

ACCESSORIES AND SPARE PARTS

- EC.6010** HWF 10x/18 mm eyepiece
- EC.6010-M** Wide field HWF 10x/18 mm eyepiece with micrometer
- EC.6015** HWF 15x/12 mm eyepiece
- EC.6110** HWF 10x/18 mm eyepiece with micrometer
- EC.6099** Pair of eyecups

- EC.7004** Achromatic 4x/0.10 objective. Working distance 37.5 mm
- EC.7010** Achromatic 10x/0.25 objective. Working distance 6.8 mm
- EC.7020** Achromatic 20x/0.40 objective. Working distance 2.0 mm
- EC.7040** Achromatic S40x/0.65 objective. Working distance 0.6 mm
- EC.7060** Achromatic S60x/0.85 objective. Working distance 0.185 mm
- EC.7000** Achromatic S100x/1.25 oil immersion objective. Working distance 0.195 mm

- AE.5511** Discussion head

- EC.9500** Attachable mechanical X-Y stage, translation range 51 x 26 mm, with double Vernier and separate horizontal adjustments knobs
- EC.9710** Frosted white filter

- AE.5150** Simple polarization attachment. Polarizer 18 mm diameter mounted in eyepiece, analyzer 32 mm diameter placed in filter holder
- AE.5152** Simple polarization attachment. Analyzer mounted over eyepiece and analyzer 32 mm diameter in filter holder
- AE.5153** Simple polarization attachment. Analyzer mounted over eyepiece and 360° rotatable polarizer on table

- EC.9981** 1 W LED replacement unit
- EC.9991** 1 W NeoLED™ replacement unit
- SL.1379** Spare halogen 20 W 12 V bulb for polarization models
- EC.9975** External mains/charger adapter 100-240 Vac/5 Vdc (50/60 Hz)

- AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
- AE.5025** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR cameras
Other T2 adapters on request

- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- 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



EC.1152

BIOLOGICAL MICROSCOPES

BlueLine
MADE IN HOLLAND

FEATURED

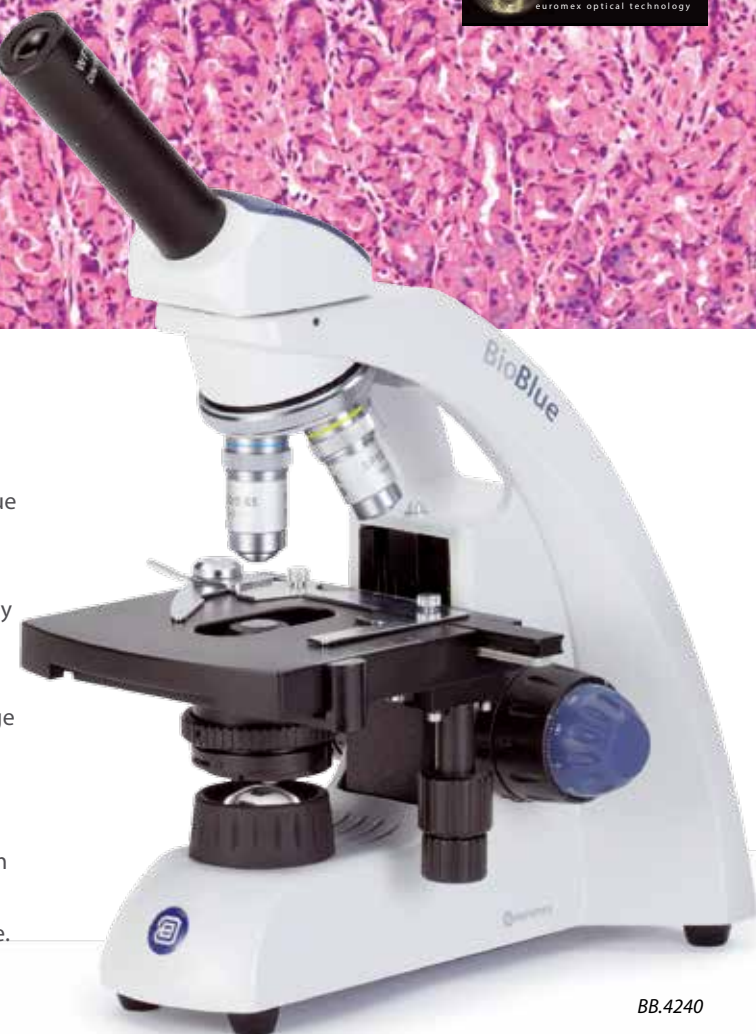
NeoLED™
euromex optical technology



BioBlue

The modern microscopes of the BioBlue series are especially developed for educational purposes with primary focus on ergonomic and today's quality standards. These microscopes are supplied with secured eyepieces and adjustable rack stop to prevent damage to sample and objectives

The DIN WF 10x/18 eyepieces and the semi plan achromatic corrected 45 mm DIN objectives of the BioBlue models generate a crisp high-resolution image. When changing magnification the image remains perfectly in focus and centered. The 120 x 120 mm plain stage and 130 x 130 mm stage with double layered 70 x 28 mm X-Y mechanical stage enable precise and stable positioning of the specimen



BB.4240



HIGHLIGHTS

- WF10x/18mm eyepiece(s)
- Models with integrated 3.2 MP CMOS camera
- Models for polarization applications
- Reversed nosepiece for 4 semi plan objectives
- Integrated X-Y mechanical stage
- Coaxial coarse and fine adjustments with rack stop
- Height adjustable Abbe condenser with iris diaphragm and filter holder
- Monocular models with 1 W LED illumination
- Binocular and trinocular models supplied with 1 W NeoLED™ illumination for increased light output
- LED models with rechargeable batteries and integrated power supply
- Ergonomic designed stand
- Warranty 10 years



BB.4260

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

Wide field WF10x/18 mm secured eyepiece with pointer for monocular models. The eyepieces of the binocular and trinocular models are supplied without pointer

HEAD

Monocular models with 45° inclined tubes. Binocular and 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. All heads are 360° rotatable and secured with a screw. Models with an integrated USB-2 camera are supplied with a 3.2 MP 1/2" CMOS sensor with 2048 x 1536 pixel resolution. The BioBlue microscope can also be supplied with a discussion head

NOSEPIECE

Reversed quadruple nosepiece on ball bearings. Models for polarization are supplied with a swing-out analyzer

OBJECTIVES

All models are supplied with semi plan 4x/0.10, 10x/0.25 and S40x/0.65 objectives. Models with an S60x/0.85 or S100x/1.25 oil immersion objective 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

FOCUSSING

Coaxial coarse and fine adjustments with 200 graduations. Precision 2 µm per graduation, 0.4 mm per rotation

The ergonomic carrying grip enables easy transportation



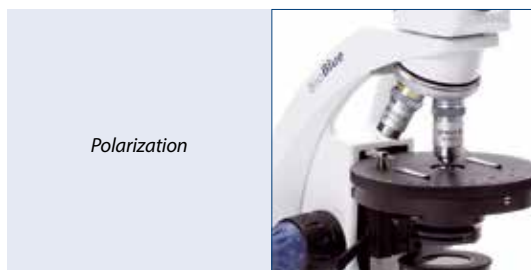
TECHNICAL SPECIFICATIONS

Total travel approximately 23 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives.

The coarse adjustments are equipped with friction control

STAGE

130 x 130 mm with mechanical 70 x 28 mm X-Y translation stage except for models BB.4200 and BB.4205. These models have a 120 x 120 mm plain stage supplied with two non-removable object clamps. The models for polarization are supplied with 129 mm round stage, 360° rotatable and two object clamps



Polarization

POLARIZATION EQUIPMENT

The swing-out analyzer is mounted in a slider under the head.

The rotatable 360° polarizer fits on the collector lamp

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder

ILLUMINATION

Binocular and trinocular models are supplied with an adjustable 1 W NeoLED™ illumination system for increased light output. Monocular models have a standard adjustable 1W LED illumination. All BioBlue microscopes – except the polarization models – are supplied with rechargeable batteries and integrated power supply for cordless operation. The models for polarization are standard supplied with a 20 W halogen illumination for correct color rendering and an integrated 100-240 Vac power supply. On special request LED illumination is also available

CAMERA AND SOFTWARE

Models with integrated 3.2 MP CMOS USB-2 camera are supplied with the ImageFocus 4 capture and measurement software. Besides capturing of images and videos, this software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows 7, 8 and 10, both 32 and 64 bits configurations

PACKAGING

Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil for models with S100x objective. Models for polarization with a halogen illumination are supplied with a blue filter, models with LED illumination are supplied with a white filter. All packed in a polystyrene box



Monocular head



Binocular head



Trinocular head



Digital monocular head



Digital binocular head



Discussion head



BB.4200

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine YouTube channel: **Euromex Optics Group B.V.**



MODELS

	Monocular	Binocular	Trinocular	Digital	S60x objective	S100x objective	Mechanical X-Y stage	LED	NeoLED™	Polarization ⁽¹⁾
BB.4200	•							•		
BB.4220	•						•	•		
BB.4240	•				•		•	•		
BB.4250	•					•	•	•		
BB.4260		•				•	•		•	
BB.4263		•			•		•		•	
BB.4243			•		•		•		•	
BB.4253			•			•	•		•	
BB.4205	•			•				•		
BB.4225	•			•			•	•		
BB.4245	•			•	•		•	•		
BB.4255	•			•		•	•	•		
BB.4267		•		•		•	•		•	
BB.4269		•		•	•		•		•	
BB.4220-P	•									•
BB.4240-P	•				•					•
BB.4260-P		•				•				•

(1) Polarization models are supplied with halogen illumination

ACCESSORIES AND SPARE PARTS

- AE.5572** Wide field eyepieces WF10x/18 mm
- AE.5573** Wide field eyepiece WF15x/12 mm
- AE.5574** Wide field micrometer eyepiece 10mm/100
- AE.5581** Wide field eyepiece WF10x/18 mm with pointer
- AE.5582** Wide field eyepiece WF20x/11.5 mm
- AE.5365** Eyecup for 28 mm eyepieces
- AE.1110** Stage micrometer 1 mm/ 100 parts

- AE.5591** Semi plan objective 4x/0.10.
Working distance 37.5 mm
- AE.5593** Semi plan objective 10x/0.25.
Working distance 6.54 mm
- AE.5594** Semi plan objective 20x/0.40.
Working distance 1.2 mm
- AE.5597** Semi plan objective S40x/0.65.
Working distance 0.68 mm
- AE.5599** Semi plan objective S60x/0.75.
Working distance 0.2 mm
- AE.5601** Semi plan objective S100x/1.25 oil immersion.
Working distance 0.22 mm

- AE.5511** Discussion head
- AE.5150** Simple polarization attachment.
Polarizer 18 mm diameter mounted in eyepiece, analyzer 32 mm diameter placed in filter holder
- AE.5152** Simple polarization attachment.
Polarizer mounted over eyepiece and analyzer 32 mm diameter in filter holder

- AE.5153** Simple polarization attachment.
Analyzer mounted over eyepiece and 360° rotatable polarizer on table
- AE.5155** Polarization attachment with analyzer and slider, rotatable stage for X-Y mechanical stage and polarizer on lamp house
- AE.5155-P** Polarization attachment with analyzer and slider, rotatable stage for stage with clamps and polarizer on lamp house
- AE.5156** Polarization attachment with analyzer and slider, and polarizer on lamp house

- 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

- AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
- AE.5025** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR cameras

- BB.4300** Aluminium case for BioBlue microscopes
- AE.9981** 1 W LED replacement unit
- AE.9991** 1 W NeoLED™ replacement unit
- SL.1379** Spare halogen 20 W 12 V bulb for BioBlue polarization models
- AE.5227** Glass fuses 1 A 250 V, 10 pieces
- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- 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

MONOCULAR MODEL BB.4200	
Dimensions	Weight
(h) 340 x (w) 155 x (d) 230 mm	3.0 kg

BINOCULAR MODEL BB.4260	
Dimensions	Weight
(h) 360 x (w) 155 x (d) 230 mm	4.0 kg

POLARIZATION MODEL BB.4200-P	
Dimensions	Weight
(h) 360 x (w) 155 x (d) 230 mm	4.4 kg

About Microscope basics

TECHNICAL
FACTS

A compound microscope consists out of a group of lenses (called objective) which focuses a real image of the object inside the microscope. A second group of lenses (called eyepiece) magnifies this image enlarged to the retina of the eye. This compound optical system (objective - eyepiece) together with other mechanical components are the basics of a today's modern microscope

HEAD
The 30° inclined trinocular viewing head is equipped with a 23.2 mm photo port. The Siedentopf head corrects interpupillary distances to the users preference. A beam splitter inside the head divides the light between the eyepieces and the camera with diopter settings

DIGITAL MICROSCOPY
Modern microscopy uses CMOS or CCD cameras for digital output to computer or HDMI displays. Users can use ImageFocus image analysis software to capture, edit, analyze and share microscopy images

TRINOCULAR TUBE
The trinocular tube is used to connect cameras used for digital microscopy

EYEPIECES
The WF10X/18 mm are Wide Field eyepieces with 10X magnification and 18 mm field of view

OBJECTIVES
Microscope objectives are crucial for determining magnification and resolution of the image. International DIN standards are used during production. Typical objective magnifications are 4x/10x/40x/100x

CONDENSER
The 1.25 NA condenser's diaphragm maximizes the resolution of the optical system and also allows adjustment of contrast. Color or density filters can be placed in the filter holder

COLLECTOR LENS SYSTEM AND NEOLED™ LIGHT SOURCE
This lens system maximizes light output. The innovative NeoLED™ design increases the light output even more, while less energy is required to do so. The total system enables higher resolutions, very close to the theoretical diffraction limit of the optics

THE NOSEPIECE
A rotatable metal turret holding 4 microscope objectives for precise switching of magnifications. The revolver is mounted reversed for more workspace

STAGE
Move the specimen slide in the X or Y direction. Low positioned stage controls prevent fatigue

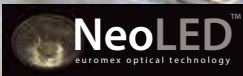
COARSE AND FINE FOCUS SYSTEM
The full metal mechanical system moves the specimen in focus. With rack stop to prevent damage to prepared microscopy slides and objectives

MICROSCOPE BASE AND ARM
A large base guarantees the necessary stability of the microscope. The arm includes an integrated carrying grip for easy and safe transportation

BIOLOGICAL MICROSCOPES



FEATURED



BioBlue.lab

The BlueLine flagship BioBlue.Lab is an instrument that precisely matches highest expectations of microscopy users. All models are equipped with NeoLED™ illumination system and are available in binocular and trinocular versions

BB.1153-PLi



BB.1152-PLi	
Dimensions	Weight
(h) 378 x (w) 190 x (d) 260 mm	5.4 kg

HIGHLIGHTS

- Binocular and trinocular models
- Reversed quadruple nosepiece
- Plan and plan phase objectives
- Finity and infinity optical system
- Integrated mechanical stage
- NeoLED™ illumination
- Ergonomic carrying grip
- 10 years warranty



BB.1152-PLi

These ergonomic easy-to-use microscopes have specifically been designed for laboratory and university applications. The 150 x 140 mm mechanical stage has an integrated rackless X-Y stage with 75 x 30 mm travel

An important feature of the BioBlue.Lab is the rackless stage, which provides a smooth translation of the specimen and highly precise positioning. This plays an integral part in most demanding cytology and histopathology applications

The BioBlue.Lab microscope models offer great functionality and are equipped with WF10x/20 mm eyepieces, plan and IOS plan 4x/ 10x/ S40x/ S100x infinity corrected objectives

BioBlue.Lab microscopes can also be supplied with plan phase and IOS plan phase contrast objectives 10x / 20x / S40x / S100x, which are finity or infinity corrected.

This enhancement is suitable for a wide variety of routine applications in laboratories and field microscopy

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine
YouTube channel: **Euromex Optics Group B.V.**



BioBlue

BioBlue.Lab

TECHNICAL SPECIFICATIONS

EYEPIECES

Wide field WF 10x/20 mm eyepieces

HEAD

Binocular and trinocular models have 30° inclined Ø 30 mm tubes. The interpupillary distance is adjustable between 48 to 75 mm. All models have a ±5 diopter adjustment on left tube. All heads are 360° rotatable and secured with a screw

NOSEPIECE

Reversed quadruple nosepiece on ball bearings

OBJECTIVES

BioBlue.Lab microscopes are equipped with plan, plan IOS, plan phase and plan phase IOS objectives. Optional 20x/0.40 and S60x/0.85 objectives are also available. The S40x, S60x and S100x objectives are spring loaded.

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

FOCUSING

Coaxial coarse and fine adjustments with 200 graduations. Precision 1.5 µm per graduation, 0.3 mm per rotation. Total travel approximately 28 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustments are equipped with friction control

MODELS

	Binocular	Trinocular	4x/10x/S40x/S100x plan objectives	4x/10x/S40x/S100x plan IOS objectives	10x/20x/S40x/S100x plan phase objective	10x/20x/S40x/S100x plan phase IOS objectives	Rackless mechanical stage	NeoLED™
BB.1152-PL	•		•				•	•
BB.1153-PL		•	•				•	•
BB.1152-PLi	•			•			•	•
BB.1153-PLi		•		•			•	•
BB.1152-PLPH	•				•		•	•
BB.1153-PLPH		•			•		•	•
BB.1152-PLPHi	•					•	•	•
BB.1153-PLPHi		•				•	•	•

STAGE

Rackless 150 x 140 mm stage with mechanical 75 x 30 mm X-Y translation stage

CONDENSER

- Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder. .Supplied with white filter.
- Height adjustable Zernike N.A. 1.25 phase contrast condenser with filter holder and is supplied with green filter

ILLUMINATION

Binocular and trinocular models are supplied with an adjustable 3 W NeoLED™ illumination system for increased light output. Power supply with integrated 100-240 Vac

WEIGHT

The BioBlue.Lab weight is appr. 5.5 kg

PACKAGING

Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil and white filter.

All packed in a polystyrene box



ACCESSORIES AND SPARE PARTS

BB.6010 WF 10x/20 mm eyepiece, 30 mm tube

BB.6015 WF 15x/15 mm eyepiece, 30 mm tube

BB.6110 WF 10x/20 mm eyepiece, 30 mm tube with micrometer reticle

BB.6020 WF 20x/11 mm eyepiece, 30 mm tube

BB.6099 Pair of eyecups

BB.8804 Plan DIN 4x/0.10 objective. Working distance 17.92 mm

BB.8810 Plan DIN 10x/0.25 objective. Working distance 2.04 mm

BB.8820 Plan DIN 20x/0.40 objective. Working distance 1.20 mm

BB.8840 Plan DIN S40x/0.65 objective. Working distance 0.65 mm

BB.8860 Plan DIN S60x/0.80 objective. Working distance 0.19 mm

BB.8800 Plan DIN S100x/1.25 oil immersion objective. Working distance 0.18 mm

BB.7204 Plan DIN 4x/0.10 IOS objective. Working distance 7.18 mm

BB.7210 Plan DIN 10x/0.25 IOS objective. Working distance 4.80 mm

BB.7220 Plan DIN 20x/0.40 IOS objective,. Working distance 5.27 mm

BB.7240 Plan DIN S40x/0.65 IOS objective. Working distance 0.68 mm

BB.7260 Plan DIN S60x/0.80 IOS objective. Working distance 0.50 mm

BB.7200 Plan DIN S100x/1.25 oil immersion IOS objective. Working distance 0.20 mm

BB.8910 Plan phase DIN 10x/0.25 objective. Working distance 2.04 mm

BB.8920 Plan phase DIN 20x/0.40 objective. Working distance 1.20 mm

BB.8940 Plan phase DIN S40x/0.65 objective. Working distance 0.65 mm

BB.8900 Plan phase DIN S100x/1.25 oil immersion IOS objective. Working distance 0.18 mm

BB.7710 Plan phase DIN 10x/0.25 IOS objective. Working distance 4.7 mm

BB.7720 Plan phase DIN 20x/0.40 IOS objective. Working distance 1.75 mm

BB.7740 Plan phase DIN S40x/0.65 IOS objective. Working distance 0.72 mm

BB.7700 Plan phase DIN S100x/1.25 oil immersion objective. Working distance 0.50 mm

BB.9880 Köhler attachment

BB.9900 Aluminium case

BB.9993 3 W NeoLED™ replacement unit

AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter

AE.5040 T2 ring for Canon EOS SLR digital camera

AE.5025 T2 ring for Nikon D SLR digital camera

BB.9732 Polarization filter, 32 mm diameter. Fits in filter holder

PB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces

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

BIOLOGICAL MICROSCOPES



B and B+ series

The well-equipped microscopes of the B and B+ series are used intensively in the research field at secondary schools and universities and for veterinary applications. In addition to an excellent ergonomical design, the microscopes of the B and B+ series are available in several configurations

MONOCULAR MODEL 86.010 / 86.019 / 86.060 / 86.069	
Dimensions	Weight
(h) 375 x (w) 210 x (d) 220	4.75 kg

BINOCULAR MODEL 86.025 / 86.029 / 86.075 / 86.079	
Dimensions	Weight
(h) 375 x (w) 210 x (d) 220	5.7 kg

TRINOCULAR MODEL 86.041 / 86.049 / 86.091 / 86.099	
Dimensions	Weight
(h) 375 x (w) 210 x (d) 220	5.9 kg



86.041



HIGHLIGHTS

- Monocular, binocular and trinocular models
- WF 10x/18 mm or WF 10x/20 mm eyepiece(s)
- Revolving reversed nosepiece for 4 or 5 objectives
- Semi plan, plan IOS, semi plan phase and plan phase objectives
- Integrated X-Y mechanical stage
- Coaxial coarse and fine adjustment with adjustable rack-stop
- Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
- 1 W LED illumination with rechargeable batteries and integrated power supply
- 20 W halogen illumination with integrated power supply
- 5 years warranty



86.325

TECHNICAL SPECIFICATIONS

EYEPIECES

Standard models with wide field WF10x/18 mm eyepieces. The B+ series come with wide field WF10x/20 mm eyepieces. The eyepiece of monocular models can be supplied with a pointer

HEAD

All heads are 360° rotatable and equipped with 30° inclined tubes. Tube length 160 mm. Binocular and trinocular models are equipped with a diopter ± 5 adjustment on left eyepiece. The interpupillary distance is adjustable between 48 to 76 mm. The B series can also be supplied with a discussion head

NOSEPIECE

Standard models with revolving and reversed quadruple nosepiece, the B+ series have quintuple reversed nosepiece

OBJECTIVES

A large range of semi plan, plan, semi plan phase, plan phase or plan IOS 4x/0.10, 10x/0.25, S40x/0.65 and S100x oil immersion objectives can be supplied with the B and B+

series. All 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, 1 µm per graduation, 200 µm per rotation, total travel approximately 23 mm. Supplied with an adjustable rack stop to prevent damage to sample and objectives. The coarse adjustments are equipped with friction control



Zernike phase contrast condenser

STAGE

125 x 135 mm with mechanical 75 x 35 mm X-Y translation stage and Vernier scale. Removable specimen holder.

Stages with heating elements and temperature PID controller are also available on demand

CONDENSER

Height adjustable Abbe condenser N.A. 1.25 with iris diaphragm and filter holder. Models for phase contrast with references 86.3xx are supplied with a Zernike disc condenser with phase contrast rings for 10/20/S40x and S100x phase contrast objectives. Models for phase contrast with references 86.4xx are supplied with a slider with phase ring for S40x phase contrast objective



S40x phase contrast set - 86.613



B series objectives



Zernike disc condenser set - 86.613/86.615



86.970

ILLUMINATION

The microscopes of the B and B+ series are equipped with either a 1 W LED adjustable illumination system for increased light output with 3 rechargeable batteries or a 20 W 6 V halogen adjustable illumination system. All models have an integrated power supply for cordless operation.

110 and 230 V mains versions available

PACKAGING

Supplied with power cord, dust cover, a spare fuse, user manual and 5 ml immersion oil for models with S100x objective. Models with a 20W halogen illumination are supplied with a spare bulb and a blue filter, models with 1 W LED illumination are supplied with a white filter. All packed in a polystyrene box

MODELS WITH SEMI PLAN OBJECTIVES

	Monocular	Binocular	Trinocular	WF 10x 18 mm	WF 10x 20 mm	4 objectives nosepiece	5 objectives nosepiece	Semi plan 4x/10x/S40x/ S100x oil objectives	20 W halogen
86.010	•			•		•		•	•
86.025		•		•		•		•	•
86.041			•	•		•		•	•
86.010-LED	•			•		•		•	
86.025-LED		•		•		•		•	
86.041-LED			•	•		•		•	
86.019-LED	•				•	•		•	
86.029-LED		•			•	•		•	
86.049-LED			•		•	•		•	

MODELS WITH PLAN OBJECTIVES

	Monocular	Binocular	Trinocular	WF 10x 18 mm	WF 10x 20 mm	4 objectives nosepiece	5 objectives nosepiece	Plan 4x/10x/S40x/ S100x oil objectives	20 W halogen
86.060	•			•		•		•	•
86.075		•		•		•		•	•
86.091			•	•		•		•	•
86.060-LED	•			•		•		•	
86.075-LED		•		•		•		•	
86.091-LED			•	•		•		•	
86.069-LED	•				•	•		•	
86.079-LED		•			•	•		•	
86.099-LED			•		•	•		•	

MODELS WITH PLAN IOS INFINITY CORRECTED OBJECTIVES

	Binocular	Trinocular	WF 10x 18 mm	WF 10x 20 mm	4 objectives nosepiece	5 objectives nosepiece	Semi plan IOS 4x/10x/S40x/ S100x oil objectives	Plan IOS 4x/10x/S40x/ S100x oil objectives	20 W halogen
86.125	•		•		•		•	•	•
86.141		•	•		•		•	•	•
86.125-LED	•		•		•		•	•	
86.141-LED		•	•		•		•	•	
86.129-LED	•			•		•		•	
86.149-LED		•		•		•		•	

MODELS WITH SEMI PLAN PHASE CONTRAST OBJECTIVES

	Monocular	Binocular	Trinocular	WF 10 x 18 mm	WF 10 x 20 mm	4 objectives nosepiece	5 objectives nosepiece	Semi plan phase 4x/10x/S40x/S100x S100x oil objectives	20 W halogen
86.310	•			•		•		•	•
86.325		•		•		•		•	•
86.341			•	•		•		•	•
86.310-LED	•			•		•		•	
86.325-LED		•		•		•		•	
86.341-LED			•	•		•		•	
86.319-LED	•				•		•	•	
86.329-LED		•			•		•	•	
86.349-LED			•		•		•	•	

MODELS WITH PLAN PHASE CONTRAST OBJECTIVES

	Monocular	Binocular	Trinocular	WF 10 x 18 mm	WF 10 x 20 mm	4 objectives nosepiece	5 objectives nosepiece	Plan phase 4x/10x/S40x/S100x S100x oil objectives	20 W halogen
86.360	•			•		•		•	•
86.375		•		•		•		•	•
86.391			•	•		•		•	•
86.360-LED	•			•		•		•	
86.375-LED		•		•		•		•	
86.391-LED			•	•		•		•	
86.369-LED	•				•		•	•	
86.379-LED		•			•		•	•	
86.399-LED			•		•		•	•	

MODELS WITH SEMI PLAN OBJECTIVES AND PLAN PHASE S40X OBJECTIVE

	Monocular	Binocular	Trinocular	WF 10 x 18 mm	4 objectives nosepiece	Semi plan 4x/10x/ S100x oil objectives	Phase S40x	20 W halogen
86.410	•			•	•	•	•	•
86.425		•		•	•	•	•	•
86.441			•	•	•	•	•	•
86.410-LED	•			•	•	•	•	•
86.425-LED		•		•	•	•	•	•
86.441-LED			•	•	•	•	•	•

ACCESSORIES AND SPARE PARTS

- 86.572-P** Wide field eyepiece HWF 10x/18 mm with pointer
- 86.572** Wide field eyepiece HWF 10x/18 mm
- 86.575** Wide field eyepiece HWF 10x/20 mm
- 86.573** Wide field eyepiece WF 15x/12 mm
- 80.882** Wide field eyepiece WF 20x/10 mm
- 86.574** Micrometer eyepiece HWF 10x/18 mm, 10 mm/100, with adjustable eye lens
- AE.1110** Stage micrometer 1 mm, 100 parts
- AE.1111** Stage micrometer 2mm, 200 parts
- 80.839** Eyecup with inner diameter 28 mm
- 86.812** Discussion head with one vertical and one oblique tube. Without eyepieces
- 86.891** Semi plan SMP 4x/0.10 objective. Working distance 23.13 mm
- 86.893** Semi plan SMP 10x/0.25 objective. Working distance 4.09 mm
- 86.894** Semi plan SMP 20x/0.40 objective. Working distance 1.97 mm
- 86.897** Semi plan SMP S40x/0.65 objective. Working distance 0.6 mm
- 80.899** Achromatic S60x/0.85 objective. Working distance 0.20 mm
- 86.900** Semi plan SMP S100x/1.25 oil immersion objective. Working distance 0.38 mm
- 86.511** Plan PL 4x/0.10 objective. Working distance 17.9 mm
- 86.513** Plan PL 10x/0.25 objective. Working distance 8.8 mm
- 86.514** Plan PL 20x/0.40 objective. Working distance 8.6 mm
- 86.517** Plan PL S40x/0.65 objective. Working distance 0.56 mm
- 86.519** Plan PL S60x/0.85 objective. Working distance 0.25 mm
- 86.520** Plan PL S100x/1.25 oil immersion objective. Working distance 0.33 mm
- 86.521** Plan PL S100x/1.25 oil immersion objective with iris diaphragm. Working distance 0.33 mm
- 86.413** Semi plan phase PH 10x/0.25 objective. Working distance 6.61 mm
- 86.414** Semi plan phase PH 20x/0.40 objective. Working distance 1.85 mm
- 86.417** Semi plan phase PH S40x/0.65 objective. Working distance 0.64 mm
- 86.420** Semi plan phase PH S100x/1.25 oil immersion objective. Working distance 0.19 mm
- 86.313** Plan phase PLPH 10x/0.25 objective. Working distance 8.8 mm
- 86.314** Plan phase PLPH 20x/0.40 objective. Working distance 8.6 mm
- 86.317** Plan phase PLPH S40x/0.65 objective. Working distance 0.65 mm
- 86.320** Plan phase PLPH S100x/1.25 oil immersion objective. Working distance 0.33 mm
- 86.560** Plan PL 4x /0.12 infinity corrected IOS objective. Working distance 19.75 mm
- 86.562** Plan PL 10x/0.25 infinity corrected IOS objective. Working distance 5 mm
- 86.564** Plan PL 20x/0.40 infinity corrected IOS objective. Working distance 8.8 mm
- 86.566** Plan PL S40x/0.65 infinity corrected IOS objective. Working distance 0.66 mm
- 86.567** Plan PL S60x/0.80 infinity corrected IOS objective. Working distance 0.26 mm
- 86.568** Plan PL S100x/1.25 oil immersion infinity corrected IOS objective. Working distance 0.36 mm

ACCESSORIES AND SPARE PARTS

- 86.172** Dark field stop to be placed in filter holder. Suitable for objectives from 10x up to S40x
- 86.627** Dark field N.A. 1.40 oil immersion condenser with cardioid mirrors. To be used with a LE.5241 flexible light conductor and a cold light source LE.5210, LE.5211 or LE.5211-LED
- 86.613** Simple 40x phase contrast set consisting of a N.A. 1.25 condenser with a plan phase PLPH S40x N.A. 0.65 objective and associated phase plate. Delivered with centering telescope and green filter
- 86.615** Zernike medium dark phase contrast set. The set consists of a disc phase N.A.1.25 condenser with rotating wheel of phase annuli and an aperture for bright field illumination. Complete with semi plan phase DIN PH 10x/0.25, PH 20x/0.40, PH S40x/0.65 and PH S100x/1.25 oil immersion objectives. Delivered with centering telescope and green filter
- 86.617** Zernike medium dark phase contrast set. The set consists of a disc phase N.A.1.25 condenser with rotating wheel of phase annuli and an aperture for bright field illumination. Complete with plan phase DIN PLPH 10x/0.25, PH 20x/0.40, PH S40x/0.65 and PH S100x/1.25 oil immersion objectives. Delivered with centering telescope and green filter
- 86.806** Mirror with adapter for B and B+ series with halogen illumination only
- AE.5168-B** Heating stage with PID controller up to 50°C. Only supplied with a new microscope

- AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter
- AE.5020** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR cameras
- Other T2 adapters on request*
- 86.820** SLR camera adapter with 2.5x and 4x magnification lenses
- DC.1320** 1x objective with C-mount for cameras with 1" sensor. Suitable for 23.2 mm tubes
- DC.1324** 0.5x objective with C-mount for cameras with 1/2" sensor. Suitable for 23.2 mm tubes
- DC.1326** 0.33x objective with C-mount for cameras with 1/3" sensor. Suitable for 23.2 mm tubes
- DC.1328** 0.67x objective with C-mount for cameras with 2/3" sensor. Suitable for 23.2 mm tubes
- 86.851** Polarizing attachment for B or B+ series with a halogen illumination
- 86.852** Polarizing attachment for B or B+ series with a LED illumination
- 86.860** Attachable Köhler diaphragm to be mounted on lamp house. Only suitable for models with halogen illumination
- 86.961** Plastic case for polystyrene packaging of B series
- 86.970** Aluminium Flight case
- 86.971** Aluminium case

- AE.5202** Blue filter, 32 mm diameter
- AE.5203** Yellow filter, 32 mm diameter
- AE.5204** Neutral grey filter, 32 mm diameter
- AE.5205** Green filter, 32 mm diameter
- AE.5207** Blue filter acrylic, 31.8 mm diameter
- AE.5227** Glass fuses 250 V 1 A, 10 pieces
- 86.889** Spare halogen bulb 6 V 20 W
- 86.101** Spare LED module for B series
- AE.5227** Glass fuses 1 A 250 V, 10 pieces

- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- 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



86.010



86.025

StereoMicroscopes

Education



- EDUBLUE
- STEREOBLUE
- NEXIUSZOOM
- AP SERIES

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StereoMicroscopes

Education

Euromex stereo microscopes are ideal instruments for most demanding teaching classes. The high-resolution three-dimensional images generated by these robust, student-friendly microscopes make them highly appreciated by teachers and students

Digital models with built-in camera and measuring software are also available

STEREO MICROSCOPES



FEATURED

EDUCATION
STEREO MICROSCOPES
2

EduBlue

The EduBlue microscopes are ideal for educational purposes and are available from 5x up to 80x magnifications.

The two parallel optical trains allow the three dimensional observation of small insects, plants, stones and minerals

ED.1302-P / ED.1402-P	
Dimensions	Weight
(h) 225 x (w) 175 x (d) 220 mm	2.4 kg

ED.1302-S / ED.1402-S	
Dimensions	Weight
(h) 260 x (w) 175 x (d) 220 mm	2.1 kg

ED.1505-S / ED.1805-S	
Dimensions	Weight
(h) 260 x (w) 175 x (d) 220 mm	2.3 kg



Rack & pinion stand model ED.1402-S



HIGHLIGHTS

- Designed for education
- Robust and sturdy, with secured eyepieces
- Dual or triple magnifications
- Available in ergonomic rack & pinion and pillar stands
- Double 1 W LED illumination
- With rechargeable batteries for cordless use
- Digital models with 3.2 MP camera available
- Ergonomic carrying grip
- 5 years warranty

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of secured WF10x/20 mm eyepieces supplied with eyecups

HEAD

- Binocular head with 45° inclined tube.
- Diopter adjustment of ± 5 on one side
- Interpupillary distance adjustable between 55 and 75 mm
- Digital head is supplied with a 3.2 MP USB-2 1/2" CMOS camera
- Maximum 2048 x 1536 pixels resolution

DUAL MAGNIFICATION OBJECTIVES

- Revolving nosepiece with dual 1x/3x and 1x/2x , which can provide standard magnifications of 10x and 30x or 20x and 40x
- Working distance 60 mm
- Field of views of 20/6.7 mm or 10/5 mm
- Magnifications can be altered using optional eyepieces

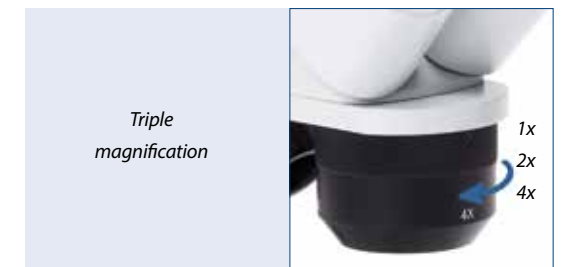
All optics are anti-fungus treated and anti-reflection coated for maximum light throughput



Pillar stand model ED.1302-P

TRIPLE MAGNIFICATION OBJECTIVES

- Revolving nosepiece with triple 1x/2x/3x and 1x/2x/4x, which can provide standard magnifications of 10x, 20x and 30x or 10x, 20x and 40x
- Working distance 60 mm
- Field of views of 20/10/6.7 mm or 20/10/5mm
- Magnifications can be altered using optional eyepieces



Triple magnification

TECHNICAL SPECIFICATIONS

STAND

The rack & pinion and pillar stands of the EduBlue are equipped with ergonomically designed flat bases, complete with 2 object clamps and Ø 60 mm transparent and black/white stage plate. The coarse adjustment is equipped with tension control. The stands are alloy metal casted with hardened off-white coating

ILLUMINATION

The transmitted and incident 1 W LED illuminations can be used simultaneously and the light intensities can be adjusted separately. Supplied with an external 100-240 V mains adapter/charger and 3 rechargeable batteries for corded and cordless use

DIGITAL MODELS

Digital models are equipped with a 3.2 MP USB 2 1/2 inch sensor CMOS camera. Maximum resolution is 2048 x 1536 pixels, smaller resolutions are selectable. Delivered with ImageFocus 4 for capturing of images and videos. This software also allows a full range of analysis like measurements on still and live images and annotations on captured images. Compatible with Windows XP, Vista, 7, 8 and 10, all 32 and 64 bits configurations. For Mac OS more basic software is available. Updates can be downloaded on our website

MODELS

	Digital head	1x/3x objectives	2x/4x objectives	1x/2x/3x objectives	1x/2x/4x objectives	Pillar stand	Rack & pinion stand
ED.1302-P		•				•	
ED.1302-S		•					•
ED.1305-S	•	•					•
ED.1402-P			•			•	
ED.1402-S			•				•
ED.1405-S	•		•				•
ED.1502-S				•			•
ED.1505-S	•			•			•
ED.1802-S					•		•
ED.1805-S	•				•		•

PACKAGING

Supplied with 100-240 V mains adapter/charger, dust cover, eyecups and user manual. All packed in a polystyrene box

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine

YouTube channel: **Euromex Optics Group B.V.**



ED.1505-S

ACCESSORIES AND SPARE PARTS

ED.6005 Pair of HWF 5x/22 mm eyepieces

ED.6010 Pair of HWF 10x/20 mm eyepieces

ED.6015 Pair of HWF 15x/12 mm eyepieces

ED.6020 Pair of HWF 20x/10 mm eyepieces

ED.6110 HWF 10x/20 mm eyepiece with 10 mm/100 micrometer

ED.6099 Pair of eyecups

ED.9570 Pair of object clamps for stage

ED.9950 Stage plate frosted glass, opaque, Ø 60 mm

ED.9956 Stage plate black/white, Ø 60 mm

ED.9975 External 100-240 V mains adapter/ charger

ED.4300 Aluminium transport case for EduBlue microscopes

SL.5504 LED replacement unit for EduBlue, incident illumination

SL.5505 LED replacement unit for EduBlue, transmitted illumination

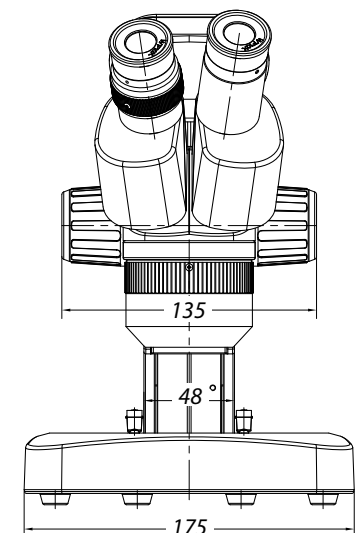
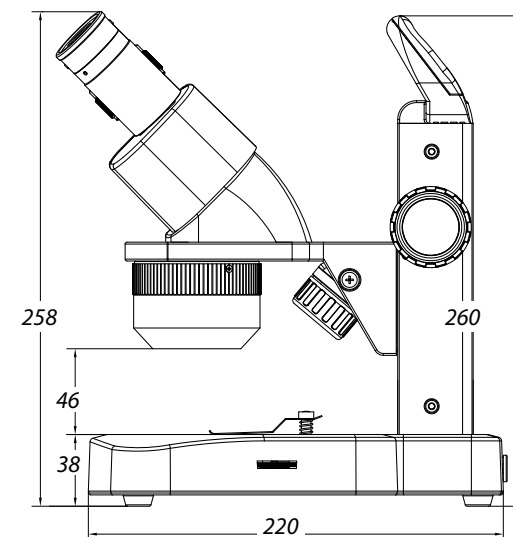
AE.1112 Micrometer 76 x 26 mm slide, 50 mm/50 divisions

PB.5245 Lens cleaning paper, 100 sheets per pack

PB.5274 Isopropyl alcohol 99% (200 ml)

PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs

DIMENSIONS



STEREO MICROSCOPES

BlueLine
MADE IN HOLLAND

FEATURED

EDUCATION
STEREO MICROSCOPES
2

StereoBlue

StereoBlue microscopes are especially developed for laboratory applications, education and greatly appreciated by biologists, entomologists, geologists, mechanical and electronic engineers and other professionals like jewelers and dental technicians



SB.1903

SB.1302/SB.1402	
Dimensions	Weight
(h) 350 x (w) 220 x (d) 266 mm	4.0 kg

SB.1302-P/SB.1402-P	
Dimensions	Weight
(h) 299 x (w) 220 x (d) 266 mm	4.7 kg

For weight of other products see table 'Models'



HIGHLIGHTS

- Designed for professional use
- Robust and sturdy
- Dual magnifications or Zoom models
- Available in ergonomic rack & pinion, pillar and universal stands
- Double 3 W LED illumination
- Ergonomic carrying grip
- 5 years warranty



Universal stand model SB.1902-U

EDUCATION
STEREO MICROSCOPES
2

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of WF10x/20 mm secured eyepieces supplied with eyecups

HEAD

- Binocular or trinocular 45° inclined tubes
- Diopter adjustment on both eyepieces, except the models SB.1302-P/1402-P and SB.1302 /1402 , which have diopter adjustment on one side
- Interpupillary distance adjustable between 55 mm and 75 mm

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

DUAL MAGNIFICATION OBJECTIVES

- Nosepiece with dual 1x/3x or 2x/4x revolving objectives
- Magnifications 10x/30x or 20x/40x
- Field of view 20 mm/6.6 mm or 10 mm/5.0 mm
- Working distance 100 mm

ZOOM OBJECTIVE

- Zoom Stereo 0.7x to 4.5x parfocal objective
- Magnification from 7x to 45x
- Field of view 28.5 mm to 4.4 mm
- Working distance 100 mm

STANDS

The rack & pinion and pillar stands of the StereoBlue are equipped with ergonomically designed flat bases, complete with 2 object clamps and Ø 60 mm transparent and black/white stage plate. The coarse adjustment is equipped with tension control

The ergonomically designed universal single arm stand is ideal for looking at large samples or working under the microscope. Standard supplied without illumination. Suitable for e.g. ring illuminators LE.1972 and LE.1973. The stands are alloy metal casted with hardened off-white coating

More illumination options see chapter 10 (Accessories)



Built-in LED ring light
SB.3903

TECHNICAL SPECIFICATIONS

ILLUMINATION

With 3 W transmitted and incident LED illuminators which can be used simultaneously or adjusted separately. SB.3903 and SB.3903-P models come with a built-in 30 LED ring light for reflexed illuminator and 3 W transmitted illuminator

PACKAGING

Supplied with power cord, dust cover, a spare fuse, Ø 60 mm transparent and black/ white stage plates and user manual. All packed in a polystyrene box

YOUTUBE

Check out the product video on YouTube and learn more about the BlueLine

YouTube channel: **Euromex Optics Group B.V.**



SB.1302



SB.1402-P



SB.1902

MODELS

	Binocular	Trinocular	1x/3x objective	2x/4x objective	0.7 - 4.5x zoom	Rack & pinion stand	Pillar stand	Universal stand	30 LED right light	Weight (kg)
SB.1302	•		•			•				3.3
SB.1302-P	•		•				•			4.2
SB.1402	•			•		•				3.3
SB.1402-P	•			•			•			4.2
SB.1902	•				•	•				3.6
SB.1902-P	•				•		•			4.4
SB.1902-U	•				•			•		15.4
SB.1903		•			•	•				3.7
SB.1903-P		•			•		•			4.5
SB.1903-U		•			•			•		15.5
SB.3903		•			•	•			•	3.7
SB.3903-P		•			•		•		•	4.5

ACCESSORIES AND SPARE PARTS

SB.6010 Pair of HWF 10x/20 mm eyepiece

SB.6015 Pair of HWF 15x/15 mm eyepiece

SB.6020 Pair of HWF 20x/10 mm eyepiece

SB.6110 HWF 10x/20 mm eyepiece with micrometer

SB.6099 Pair of eyecups

SB.8905 Auxiliary 0.5x lens, only suitable for zoom models with pillar stands (SB.1902-P & SB.1903-P)

With rack- and pinion models the sample thickness is max. 2 cm. Working distance 170 mm

SB.8907 Auxiliary 0.75x lens for zoom models.

Working distance 114 mm

SB.8915 Auxiliary 1.5x lens for zoom models.

Working distance 48 mm

SB.9570 Pair of object clamps for stage

SB.9833 C-mount adapter with 0.33x lens for 1/3" cameras. Only for trinocular models

SB.9850 C-mount adapter with 0.5x lens for 1/2" cameras. Only for trinocular models

SB.9952 Stage plate transparent, Ø 60 mm

SB.9956 Stage plate black/white, Ø 60 mm

AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Need T2 adapter

AE.5020 T2 adapter for Nikon D digital SLR cameras

AE.5040 T2 adapter for Canon EOS digital SLR cameras

Other T2 adapters on request

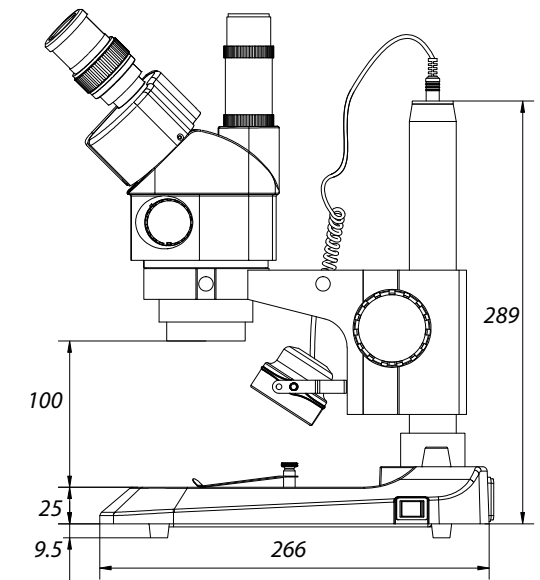
AE.1112 Micrometer 76 x 26 mm slide, 50 mm/50 divisions

PB.5245 Lens cleaning paper, 100 sheets per pack

PB.5274 Isopropyl alcohol 99% (200 ml)

PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs

DIMENSIONS





NexusZoom

The new standard in stereo microscopy



The NexusZoom stereo microscopes from Euromex enable examining your specimen with high-performance precision and generate two- and three-dimensional images allowing observation for your highest demanding microscopy applications

These top level zoom microscopes are perfect for analyzing all kinds of material surfaces or to observe and prepare biological samples

STEREO MICROSCOPES

FEATURED



NexiusZoom

The NexiusZoom stereo microscopes are supplied with a large choice of objectives and stands, with or without illumination. Ideal for all kinds of educational applications. With additional lenses and objectives magnifications from 3.3 up to 180x can be achieved



NZ.1903-S

NZ.1903-S	
Dimensions	Weight
(h) 339 x (w) 256 x (d) 311 mm	5.1 kg

NZ.1903-P	
Dimensions	Weight
(h) 299 x (w) 256 x (d) 311 mm	5.2 kg

For weight of other products see table



HIGHLIGHTS

- Binocular and trinocular heads with HWF 10x/22 mm eyepieces
- Zoom ratio 1 : 6.7, 6.7x to 45x standard
- Ergonomic designed stands
- Double 3 W LED illumination
- Configurations up to 180x magnification
- Large working distance
- 10 years warranty



NZ.1902-S / NZ.1902-P

TECHNICAL SPECIFICATIONS

EYEPIECES

- Pair of HWF 10x/22 mm eyepieces

HEAD

- Binocular or trinocular heads with 45° inclined tubes
- Both eyepieces with ± 5 diopter adjustments
- Interpupillary distance adjustable between 54 mm and 75 mm

OBJECTIVE

- Zoom 1:6.7 objective with 0.67x to 4.5x magnifications
- Field of view from 33 mm to 4.9 mm
- Working distance 110 mm
- Auxiliary lenses 0.5x, 0.75x, 1.5x and 2.0x available

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

STAND

- Ergonomically designed pillar or rack & pinion stand with LED illumination and 2 object clamps
- Ergonomically designed universal or boom stands, without illumination
- Articulated arm stand for table mounting, without illumination
- Alloy metal cast, hardened off-white painted

ILLUMINATION

The 3 W transmitted and incident LED illuminators with internal power supply 100-240 V operation. Both illuminators can be used simultaneously and the light intensities can be adjusted separately

PACKAGING

Supplied with power cord, dust cover, a spare fuse, user manual. All packed in a polystyrene box

YOUTUBE

Check out the product video on YouTube and learn more about this microscope
YouTube channel: **Euromex Optics Group B.V.**



NZ.8907 / NZ.8905 / NZ.8915

MAGNIFICATIONS

Working distance and field of view with standard HWF 10x / 22 High Wide Field eyepieces

Zoom indication	Auxiliary lens 0.5x working distance 165 mm		Auxiliary lens 0.75x working distance 120 mm		Objective 1x (standard) working distance 110 mm		Auxiliary lens 1.5x working distance 45 mm		Auxiliary lens 2x working distance 30 mm	
	Total magnification	Field of view in mm	Total magnification	Field of view in mm	Total magnification	Field of view in mm	Total magnification	Field of view in mm	Total magnification	Field of view in mm
0.67	3.35	65.7	5.0	44.0	6.7	32.8	10.0	22.0	13.4	16.4
0.7	3.5	62.9	5.3	41.9	7.0	31.4	10.5	21.0	14.0	15.7
0.8	4.0	55.0	6.0	36.7	8.0	27.5	12.0	18.3	16.0	13.8
1.0	5.0	44.0	7.5	29.3	10.0	22.0	15.0	14.7	20.0	11.0
1.5	7.5	29.3	11.3	19.6	15.0	14.7	22.5	9.8	30.0	7.3
2.0	10.0	22.0	15.0	14.7	20.0	11.0	30.0	7.3	40.0	5.5
3.0	15.0	14.7	22.5	9.8	30.0	7.3	45.0	4.9	60.0	3.7
4.0	20.0	11.0	30.0	7.3	40.0	5.5	60.0	3.7	80.0	2.8
4.5	22.5	9.8	33.8	6.5	45.0	4.9	67.5	3.3	90.0	2.4

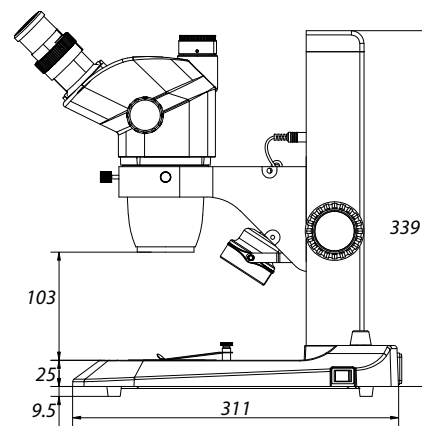


NZ.1902-S



NZ.1903-B

DIMENSIONS



MODELS

	Binocular	Trinocular	Pillar stand	Rack & pinion stand	Universal stand	Boom stand	Articulated arm stand	Weight (kg)
NZ.1902-P	•		•					5.0
NZ.1902-S	•			•				4.9
NZ.1902-U	•				•			15.6
NZ.1902-B	•					•		22.1
NZ.1902-A	•						•	8.6
NZ.1903-P		•	•					5.2
NZ.1903-S		•		•				5.1
NZ.1903-U		•			•			15.7
NZ.1903-B		•				•		22.2
NZ.1903-A		•					•	8.7

ACCESSORIES AND SPARE PARTS

- NZ.5302** NexiusZoom binocular head with eyepieces
 - NZ.5303** NexiusZoom trinocular head with eyepieces
 - NZ.6010** Pair of HWF 10x / 22 mm eyepieces
 - NZ.6015** Pair of HWF 15x / 16 mm eyepieces
 - NZ.6020** Pair of HWF 20x / 12 mm eyepieces
 - NZ.6110** HWF 10x / 22 mm eyepiece with micrometer
 - NZ.6099** Pair of eyecups
 - NZ.8905** Auxiliary lens 0.5x, working distance 165 mm (not suitable for NZ.1902-S and NZ.1903-S)
 - NZ.8907** Auxiliary lens 0.75x, working distance 120 mm
 - NZ.8915** Auxiliary lens 1.5x, working distance 45 mm
 - NZ.8920** Auxiliary lens 2.0x, working distance 30 mm (not suitable for NZ.1902-S and NZ.1903-S)
 - NZ.8950** Protection glass for NexiusZoom head
 - NZ.9010** Ergonomic rack & pinion stand with transmitted and incident LED illuminators
 - NZ.9015** Ergonomic pillar stand with transmitted and incident LED illuminators
 - NZ.9020** Universal (single arm) stand without NexiusZoom head holder
 - NZ.9030** Boom (double arm) stand without NexiusZoom head holder
 - NZ.9090** NexiusZoom head holder (for NZ.9020 and NZ. 9030)
 - NZ.9025** Articulated arm stand with table clamp (without NexiusZoom head holder)
 - NZ.9081** NexiusZoom head holder (for articulated arm stand NZ.9025)
 - NZ.9956** Pair of stage plates (for NexiusZoom NZ.9010 and NZ.9015 stand; black/white plate)
 - NZ.9570** Pair of object clamps for stage
 - NZ.9833** C-mount adapter with 0.33x lens for 1/3" cameras (suitable for trinocular models)
 - NZ.9850** C-mount adapter with 0.5x lens for 1/2" cameras (suitable for trinocular models)
 - AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Needs T2 adapter
 - AE.5020** T2 adapter for Nikon D digital SLR cameras
 - AE.5040** T2 adapter for Canon EOS digital SLR cameras
- Other T2 adapters on request*
- LE.1972** Ring illuminator with 60 LEDs with adjustable light intensity. External mains adapter 100-240 V. With segment controller. Brightness of 8.500 Lux at height of 100 mm and color temperature of 6.400K. Max. internal mounting diameter 60 mm
 - LE.1973** Ring illuminator with 144 LEDs with adjustable light intensity. External mains adapter 100-240 V. With segment controller. Brightness of 20.000 Lux at height of 100 mm and color temperature of 6.400K. Max internal mounting diameter 60 mm
 - AE.1112** Object micrometer 50 mm (divided in 500 parts on glass slide 76 x 26 mm)
 - NZ.9040** Dark field attachment



NZ.5302 / NZ.5303

STEREO MICROSCOPES



AP series

The microscopes of the AP series are specifically designed for educational purposes. They are compact and robust and come with dual magnifications revolvers and interchangeable objectives in slides

AP-1	
Dimensions	Weight
(h)250 x (w)120 x (d)170 mm	1.4 kg
AP-2 / AP-4	
Dimensions	Weight
(h)325 x (w)120 x (d)170 mm	2.0 kg
AP-5	
Dimensions	Weight
((h)65/360 x (w)120 x (d)190 mm	2.5 kg
AP-7 / AP-7 LED / AP-8 / AP-8 LED	
Dimensions	Weight
(h)65/360 x (w)120 x (d)190 mm	2.4 kg



AP-7 (50.925)



HIGHLIGHTS

- Small and robust
- Binocular head with vertical or 45° inclined tubes
- Secured WF10x/20 mm eyepieces
- Magnifications from 10-120x
- Pillar stands with or without illumination
- LED illumination for cordless use

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of secured wide field eyepieces WF10x/20 mm. Supplied with eyecups

HEAD

Binocular head with vertical or 45° inclined tubes. One tube supplied with diopter adjustment. Interpupillary distance from 55 to 75 mm

OBJECTIVES

- The AP-1, AP-2, AP-4 and AP-5 models are standard supplied with a 2x magnification objective in slider. This objective is interchangeable with optional 1x, 3x, 4x and 6x magnification objectives
- The AP-7 and AP-7 LED models are supplied with revolving 1x/3x objectives for total magnification of 10 and 30x with field of views from 20 to 6.7 mm
- The AP-8 and AP-8 LED models are supplied with revolving 2x/4x objectives for total magnification of 20 and 40x with field of views from 10 to 5 mm

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



AP-1 (50.890)

STAND

Pillar stand with a 40 mm coarse adjustment. Supplied with black/white object plate and 2 object clamps

ILLUMINATION

- The AP-1 is supplied without illumination
- The AP-2 and AP-4 are supplied with an incident 10 W 12 V halogen illumination and internal power supply
- The AP-5, AP-7 and AP-8 models are supplied with a transmitted and incident 10W 12V halogen illumination and internal power supply
- The AP-7 LED and AP-8 LED models are supplied with a transmitted and incident LED illumination with 3 rechargeable batteries for maximum 35 hours cordless operation. With external mains adapter/charger

CAMERAS

Euromex offers a wide range of industrial and education grade cameras, chapter 3 (Digital Solutions). For binocular microscopes, the camera replaces one of the eyepieces. Warranty for the camera is 2 years

TECHNICAL SPECIFICATIONS

PACKAGING

Supplied with power cord, dust cover, a spare fuse and user manual. All packed in a polystyrene box



AP-2 (50.900)



AP-4 (50.915)



AP-5 (50.920)

MODELS

		Vertical head	45° head	Interchangeable 2x objective	1x/3x objective	2x/4x objective	Transmitted halogen illumination	Incident halogen illumination	Transmitted LED illumination	Incident LED illumination
50.890	AP-1	•		•						
50.900	AP-2	•		•						
50.915	AP-4		•	•				•		
50.920	AP-5		•	•				•	•	
50.925	AP-7		•		•			•		•
50.926	AP-7 LED		•		•			•		•
50.930	AP-8		•			•				•
50.931	AP-8 LED		•			•				•

ACCESSORIES AND SPARE PARTS

- 50.805** Pair of wide field eyepieces WF5x/22 mm
- 50.810** Pair of wide field eyepieces WF10x/20 mm
- 50.811** Micrometer eyepiece WF10x/20 mm, 10 mm/100
- 50.815** Pair of wide field eyepieces WF15x/16 mm
- 50.820** Pair of wide field eyepieces WF20x/10 mm
- 50.840** Pair of eyecups

Suitable for AP-1, AP-2, AP-4 and AP-5:

- 50.831** Paired achromatic objectives 1x.
Working distance 57 mm.
- 50.832** Paired achromatic objectives 2x.
Working distance 80 mm.
- 50.833** Paired achromatic objectives 3x.
Working distance 61 mm.
- 50.834** Paired achromatic objectives 4x.
Working distance 57 mm.
- 50.836** Paired achromatic objectives 6x.
Working distance 40 mm.

- 50.871** Black/white stage plate 94 mm diameter
- 50.873** Glass stage plate 94 mm diameter
- 50.874** Black/white stage plate 60 mm diameter
- 50.875** Adjustable GEM object clamp for AP series
- 50.876** Dark field attachment 94 mm diameter
- 50.884** Spare bulb 12 V 10 W for AP series
- 50.961** Plastic case for AP series
- 50.975** External 100-240 V mains adapter

- AE.1112** Micrometer slide, 50 mm/50 divisions
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5274** Isopropyl alcohol 99% (200 ml)
- PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower and cotton swabs



Digital Solutions

Education



- DIGITAL MICROSCOPES PAGE 64
- USB CAMERAS PAGE 74
- SOFTWARE PAGE 79
- HD CAMERAS PAGE 80
- WIFI CAMERA PAGE 83
- TABLET CAMERAS PAGE 84
- CCD CAMERA PAGE 88
- ADAPTERS PAGE 90



Digital Solutions

Education

Get ready to discover the digital world of microscopy with the newest Euromex digital educational products. The broad Euromex product range of digital cameras and digital microscopes with built-in camera offer the best matching solutions for your specific application needs

Euromex digital educational products incorporate all latest available technology in this field like WiFi, HDMI and sCMOS

Digital Microscopes

with integrated camera



The digital microscopes have equal functions compared to stand-alone microscopes. But since these microscopes have an integrated camera, these are offering a compact solution for viewing microscopy images without having to add an external camera to the microscope

The included software allows the user to view live images on the computer screen or beamer. The software also allows to capture still images or videos, with modifying and measurement functions

EcoBlue digital microscopes with integrated 3.2 MP USB-2 camera

Monocular microscopes equipped with WF10x/18mm eyepieces, quadruple nosepiece, achromatic objectives, 123 x 119 mm stage with two clamps, Abbe condenser and a 1 W LED illumination with integrated 100-240 V power supply. The EcoBlue microscopes can optionally be equipped with a 50 x 30 mm X-Y mechanical stage

Digital cameras come with 2 years warranty



EC.1005



HIGHLIGHTS

- Economical microscopes for education
- Built-in digital 3.2 MP USB-2 camera
- LED illumination
- Built-in 100-240 V power supply
- Ergonomic carrying grip
- 5 years warranty

TECHNICAL SPECIFICATIONS

CAMERA

All the EcoBlue digital microscopes are equipped with a 3.2 MP CMOS USB-2 camera, maximum resolution 2048 x 1536, 24 bits color depth, up to 15 frames per second. Delivered with the ImageFocus 4 software, USB-2 cable and a micrometer 1mm/100 slide. Warranty for the camera is 2 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 on live or captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations. A Mac OS Light version is also available for capturing images

Full microscope specifications and accessories see chapter 1: Biological microscopes



MODELS

	Monocular	4x, 10x, 540x objectives	S60x objective	S100x objective	LED
EC.1005	•	•			•
EC.1105	•	•		•	•
EC.1605	•	•	•		•

EC.1105 / EC.1605	
Dimensions	Weight
(h) 355 x (w) 270 x (d) 220 mm	2.6 kg

BioBlue digital microscopes with integrated 3.2 MP USB-2 camera

The DIN WF 10x/18 eyepieces and the semi plan achromatic corrected 45 mm DIN objectives of the BioBlue models generate a crisp high-resolution image

The 120 x 120 mm plain stage and 130 x 130 mm stage with double layered 70 x 28 mm mechanical X-Y stage enable precise and stable positioning of the specimen. With Abbe condenser, NeoLED™ or LED illumination with built-in rechargeable batteries for corded and cordless use

Digital cameras come with 2 years warranty



BB.4225



HIGHLIGHTS

- Monocular and binocular models
- Reserved quadruple nosepiece for semi plan objectives
- Integrated digital 3.2 MP USB-2 camera
- Integrated mechanical stage
- LED and NeoLED™ illumination
- Cordless operation
- 10 years warranty

TECHNICAL SPECIFICATIONS

CAMERA

All the BioBlue digital microscopes are equipped with a 3.2 MP CMOS USB-2 camera, maximum resolution 2048 x 1536, 24 bits color depth, up to 15 frames per second. Delivered with ImageFocus 4 software, USB-2 cable and a micrometer 1mm/100 slide. Warranty for the camera is 2 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 XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations. Mac OS Light version is also available for capturing images

Full microscope specifications and accessories see chapter 1:

Biological microscopes

MODELS

	Monocular	Binocular	Semi plan 4x, 10x and 540x objectives	Semi plan 560x objective	Semi plan 5100x objective	Integrated X-Y stage	1 W LED	NeoLED	Weight (kg)
BB.4205	•		•				•		2.9
BB.4225	•		•			•	•		3.4
BB.4245	•		•	•		•	•		3.4
BB.4255	•		•		•	•	•		3.4
BB.4267		•	•		•	•		•	4.1
BB.4269		•	•			•		•	4.1



BioBlue digital (monocular head)



BioBlue digital (binocular head)

BB.4225 / BB.4245 / BB.4255	
Dimensions	Weight
(h) 340 x (w) 155 x (d) 230 mm	3.4 kg

BB.4267 / BB.4269	
Dimensions	Weight
(h) 360 x (w) 155 x (d) 230 mm	4.1 kg

EduBlue digital microscopes with integrated 3.2 MP USB-2 camera

The EduBlue stereo microscopes are specifically designed for educational purposes and are equipped with WF 10x/20 mm eyepieces, a revolving nosepiece with double or triple magnification objectives

With transmitted and incident 1 W LED illuminations, 60 mm working distance

With three internal rechargeable batteries for corded and cordless operation. Delivered with an external power supply



ED.1505-S



HIGHLIGHTS

- Economical binocular models
- Dual and triple magnification objectives
- Cordless operation
- Integrated digital 3.2 MP USB-2 camera
- LED illuminators
- Ergonomic carrying grip
- 5 years warranty



Triple magnification

TECHNICAL SPECIFICATIONS

CAMERA

All the EduBlue digital microscopes are equipped with a 3.2 MP CMOS USB-2 camera, maximum resolution 2048 x 1536, 24 bits color depth, up to 10 frames per second. Delivered with the ImageFocus 4 software, USB-2 cable and a micrometer 1mm/100 slide. Warranty for the camera is 2 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 on live or captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations. A Mac OS Light version is also available for capturing images

Full microscope specifications and accessories see chapter 1: Biological microscopes

ED.1305-S / ED.1405-S / ED.1505-S / ED.1805-S	
Dimensions	Weight
(h) 260 x (w) 175 x (d) 220 mm	2.4 kg

MODELS

	Binocular	1x/ 3x objective	2x/ 4x objective	1x/ 2x/ 3x objectives	1x/ 2x/ 4x objectives	Rack & pinion stand
ED.1305-S	•	•				•
ED.1405-S	•		•			•
ED.1505-S	•			•		•
ED.1805-S	•				•	•

MicroscopeCameras

USB-2, USB-3 and WiFi cameras
for microscopy



The different USB-2, USB-3 and WiFi cameras with ImageFocus capture and analysis software are the perfect solution for today's educational, laboratory and industrial microscopy needs. The cameras are suitable for Life Science and Material Science microscopes as well as stereo microscopes

USB CAMERAS

BASIC CAMERAS
FOR AMATEUR
AND EDUCATION



CMEX

CMEX USB-2 cameras with CMOS sensor

The CMEX-1, CMEX-3 and CMEX-5 are equipped with a CMOS sensor with 10 bits grayscale conversion and a 24 bits color rendering. The CMEX cameras are equipped with USB-2 data interface and supplied with ImageFocus 4 software

Besides capturing of images and videos, the software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations

MODELS

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec (at 550 nm)	Product number
CMEX- 1	1.3	CMOS	1/3"	3.6x3.6	1280x1024 640x480	15 30	10 bits	24 bits	55	72	1.3	DC.1300c
CMEX- 3	3.2	CMOS	1/2"	3.2x3.2	2048 x 1536 1024 x 768 640 x 480	10 25 40	10 bits	24 bits	44	72	1.3	DC.3000c
CMEX- 5	5.0	CMOS	1/2.5"	2.2x2.2	2592x1944 1280x960 1024x768 640x480	5 21 25 38	10 bits	24 bits	42	65	1.3	DC.5000c

The CMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective, except the CMEX-1 (DC.1300c) that is supplied with a 0.35x C-mount objective

PREMIUM
CAMERAS FOR
EDUCATION



CMEX Pro USB-2 cameras with CMOS sensor

The CMEX-3 Pro and CMEX-5 Pro are equipped with a CMOS sensor with 12 bits grayscale conversion and a 24 bits color rendering. The CMEX cameras are equipped with a USB-2 data interface and supplied with ImageFocus 4 software

Besides capturing of images and videos, the software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations

MODELS

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-3 Pro	3.2	CMOS	1/2"	3.2 x 3.2	2048x1536 1024x768 640x480	10 25 40	12 bits	24 bits	45	72	1.5	DC.3000p
CMEX-5 Pro	5.0	CMOS	1/2.5"	2.2 x 2.2	2592 x 1944 1280 x 960 1024x 768 640 x 480	5 21 25 38	12 bits	24 bits	45	65	1.5	DC.5000p

The CMEX Pro cameras are supplied in a deluxe carrying case with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective



sCMEX USB-2 cameras with Scientific sCMOS sensor

The sCMEX-1 and sCMEX-3 cameras are equipped with a scientific sCMOS sensor with 16 bits grayscale conversion and an outstanding 36 bits color rendering. Suitable for brightfield, darkfield and fluorescence. The sCMEX cameras are equipped with a USB-2.0 and supplied with ImageFocus 4 software

Besides capturing of images and videos, the software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations

MODEL

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
sCMEX-1	1.3	sCMOS	1/3"	3.6 x 3.6	1278 x 1038	25	16 bits	36 bits	55	72	1.5	DC.1300s
					664 x 512	39						
sCMEX-3	3.0	sCMOS	1/2.8"	2.5 x 2.5	2048 x 1536	11	16 bits	36 bits	55	69	1.5	DC.3000s
					1024 x 768	27						
					684 x 512	38						

The sCMEX cameras are supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.35x C-mount objective



Euromex 5 Mpix camera CCD cooled color

The Euromex 2/3 inch CCD Peltier cooled camera is equipped with a Peltier cooling element that allows the camera to be suitable for fluorescence applications. The camera has a USB-2 interface for connection with a computer and is supplied with ImageFocus4 software

Besides capturing of images and videos, this software allows measurements on still and live images and to perform annotations on captured images. The software has specific functions for fluorescence like combining capture fluorescence images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations

MODEL

	Number of pixels (MP)	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CCD cooled	5.0	CCD	2/3"	3.4 x 3.4	2580 x 1944 1280 x 932	3 12	16 bits	36 bits	55	74	0.5	DC.5000i

The Euromex CCD cooled camera (DC.5000i) is supplied in an aluminium box and with USB-2 cable, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and external 5 Vdc/4 A power supply

The Euromex CCD cooled camera (DC.5000i) is equipped with a female C-mount thread and can be directly mounted on microscopes with a C-mount adapter. For microscopes with a standard 23.2 mm tube, the 0.67x objective for 2/3" cameras is needed (reference DC.1328 sold separately)

USB CAMERAS

USB-3.0
CAMERAS FOR
EDUCATION

FEATURED

FREE UPDATES
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EDUCATION
DIGITAL SOLUTIONS

EDUCATION
DIGITAL SOLUTIONS

CMEX-10 PRO and CMEX-18 PRO USB-3.0 camera

The CMEX-10 Pro and CMEX-18 Pro cameras are equipped with a 10 or 18 MP CMOS sensor with 12 bits grayscale conversion and a 24 bits color rendering. This camera is equipped with a USB-3 data interface enabling fast frame rate and supplied with ImageFocus Alpha software

Besides capturing of images and videos, the software allows measurements on still and live images and to perform annotations on captured images. Compatible with Windows XP, Vista, 7, 8 and 10, both 32 and 64 bits configurations. A 2Gb RAM 2.8 GHz computer and 17 inch display is recommended

*iScope microscope
with the
CMEX 18 Pro camera*



DC.18000p

Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Max. frames (p/sec)	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number		
CMEX-10 Pro	CMOS	1/2.3"	1.67x1.67	3584x2746	7.2	12 bits	24 bits	35.5	63.5	0.31	DC. 10000p	
				1792x1372	24.5							
CMEX-18 Pro	CMOS	1/2.3"	1.25x1.25	4912x3684	6	12 bits	24 bits	42	65	1.3	DC. 18000p	
				2456x1842	18							
				1228x922	32							

The CMEX-18 camera is supplied in a carton box with USB-3 cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and a 0.45x C-mount objective

SOFTWARE



ImageFocus 4 software

The software is compatible with all above mentioned USB-2 cameras.

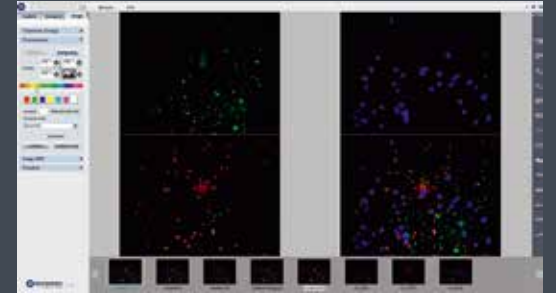
Besides live imaging, the software captures images in Jpeg, Tiff or Bmp formats or video recording in Avi format

ImageFocus 4 has a wide range of functions like:

- Measurements can be done on still and live image
- The brightness, contrast and saturation of captured images can be adjusted
- Camera parameters for exposure time, white balance and color control are easily accessible
- The software also has specific functions for fluorescence like combining capture fluorescence images
- Compatible with Windows XP, Vista, Windows 7, 8 and 10, both 32 and 64 bits configuration

IMAGE FOCUS 4

DC.1300c / DC.3000c / DC.5000c
DC.3000p / DC.5000p
DC.1300s / DC.3000s
DC.5000i
VC.3036 / VC.3031



ImageFocus Alpha software

The ImageFocus Alpha software is compatible with the mentioned USB-3 cameras.

Besides live imaging, the software captures images in several formats like Jpeg, Tiff or Bmp or video recording in Avi format

ImageFocus Alpha has a wide range of functions like:

- Measuring, segmentation & count, stitching of images, Extended Dept of Focus, stacking etc
- The brightness, contrast and saturation of captured images can be adjusted
- Camera parameters for exposure time, white balance and color control are easily accessible
- The software also has specific functions for fluorescence like combining capture fluorescence images
- Compatible with Windows XP, Vista, Windows 7, 8 and 10, both 32 and 64 bits configuration

IMAGE FOCUS ALPHA

DC.18000p / DC.10000p
DC.5000-WIFI



High definition HD1080p and 720p CMOS color cameras with HDMI and USB-2 interfaces

VC.3036

The Euromex HD-Ultra, HD-Lite and HD-Mini cameras offer the perfect solution to modern microscopy for industry and laboratories where real time images are needed. These HD image quality cameras can be used for biological, metallurgical or stereo microscopes

The cameras are equipped with high sensitive sensors for low and intense light conditions and also suitable for coaxial illumination and machine vision applications

MODEL

	Sensor	Sensor size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensitivity (V)	Product number
HD-Ultra HDMI/USB2	Sony CMOS	1/2.8"	2.8 x 2.8	3264 x 1836 1920 x 1080 1080p video HDMI 60 fps	16 bits	36 bits	55	69	510mV	VC.3036
HD-Lite HDMI/USB2	Aptina CMOS	1/2.5"	2.2 x 2.2	2592 x 1944 1920 x 1080 1080p video HDMI 15 fps	16 bits	24 bits	40.5	60	1V	VC.3031
HD-Mini HDMI	CMOS	1/2.5"	5.7 x 4.28	1080 x 720 HDMI 30 fps	8 bits	24 bits	38	70	1.4V	VC.3030

HIGHLIGHTS

- HD 1080p or 720p high definition color cameras
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC
- Built-in mouse-driven software
- C-mount interface
- HDMI, USB-2 and SD memory card
- Compatible with ImageFocus 4 software



Back panel of VC.3036

The real time images generated with these camera provide excellent color rendering with frame speeds up to 60 fps. All settings are done automatically and therefore very user friendly. Once connected directly to a HDMI screen, TV or beamer with HDMI input, one can use the mouse-driven onboard software of the HD-Ultra and HD-Lite to capture and save images and videos (.avi format) on the integrated SD memory card.

A menu can be displayed right on screen, for live viewing or capturing of images and videos. Captured images and videos can be very easily reviewed without any need of a computer and the HD-Ultra even offers a full range of measuring options. These key properties make the cameras ideal for real time inspection, education and live demonstrations

Cameras are supplied with a C-mount and can be connected to all Euromex microscopes using optional C-mount adapters. The HD-Mini camera is supplied with 0.45x C-mount adapter for standard 23.2 mm tube

Users can also connect the HD-Ultra and HD-Lite camera to a computer using the USB-2 interface. The supplied ImageFocus 4 software allows more camera and image controls, annotations and measuring functions on live and captured images. Compatible with Windows XP, Vista 7, 8 and 10, both 32 and 64 bits

The HD-Mini is solely connected via a HDMI input and controlled by buttons on the camera and comes without

software. Captured images and videos (.avi format) are saved to the on-board SD memory card

PACKAGING

The HD-Ultra and HD-Lite 1080p cameras (ref. VC.3036 & VC.3031) are supplied with USB-2 (A-A type) cable, USB-2 mouse, 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscopes, 1mm/100 (10µm/division) calibration slide and external power supply

The HD-Ultra cameras need a 0.35x C-mount adapter and the HD-Lite cameras need a 0.45x C-mount adapter to connect them to microscopes. For microscopes with a standard 23.2 mm tube, the optional 0.33x objective for 1/3" cameras (reference DC.1326) is required. For other microscope tubes, please refer to our camera adapter guide. Supplied with Image Focus 4 software, Window XP and higher

The HD-Mini 720p camera (ref. VC.3030) is supplied in a carton box with USB-2 mouse 30.0 and 30.5 mm to 23.2 mm conversion adapters for use with stereo microscope and with 23.2mm tube C-mount adapter. Supplied without USB-2 cable

COMPUTER CONTROLLED VERSUS STAND-ALONE

There are two ways to use the HD-Ultra (ref. VC.3036) and HD-Lite (ref. VC.3031) cameras, computer controlled or as stand-alone system

STAND-ALONE

No need to open or start a computer or any computer knowledge to use a camera. This results in faster, more flexible and compact working conditions. Simply plug the camera to a high resolution HDMI monitor or TV and the system is ready to go. Ideal for quality control systems etc. Although most settings are done automatically by the camera, one can use the supplied mouse to control the camera via a user retrievable on-screen menu. The mouse is connected directly to the camera. Very intuitive controls allow users to capture and save images and to record videos on the integrated SD memory card

COMPUTER CONTROLLED

Users who want more camera controls and more measurements functions, can connect the camera to a

computer and take benefit of the power of the Euromex ImageFocus v4 software. It runs on Windows XP, Vista 7, 8 and 10, both 32 and 64 bits and is supplied with the camera package. Euromex supplies free updates on www.euromex.com. Besides live imaging and measuring functions on live and captured images, the software saves images in JPG, TIFF or BMP formats or recording videos in .avi format. The software allows measurements on linear sections, angles and surfaces, and also full control over the camera parameters like manual or automatic exposure time, white balance, adjustments of brightness, contrast and saturation on live and captured images. Specific functions for fluorescence like histogram adjustments and combining captured fluorescence images are also included in ImageFocus 4 software

	HD-Ultra	HD-Lite	HD-Mini
Sensor	Sony sensor	Aptina sensor	-
Format	1/2.8", HDTV 1080p (50/60 Hz)	1/2.5", HDTV 1080p (50/60 Hz)	1/2.5", HDTV 720p (50/60 Hz)
Pixels	3264 x 1836 (capture mode), 1920 x 1080 pixels (live view), HDMI 60 fps USB 30 fps	2592 x 1944 (capture mode), 1920 x 1080 pixels (live view), HDMI 15 fps USB 15fps	- 1080 x 1720 pixels - -
Video	1080p pixels video recording mode	1080p pixels video recording mode	720p pixels video recording mode
Scan mode	Progressive scan	Progressive scan	Progressive scan
Noise	3D Noise Reduction function	3D Noise Reduction function	Noise Reduction function
White balance	Automatic/manual	Automatic/manual	Automatic
Interfaces	Digital HDMI, USB 2	Digital HDMI, USB 2	Digital HDMI
Storage	Standard high speed 8 Gb SD memory card or to USB-2	Standard 4 Gb SD memory card or to USB-2	Standard high speed 4 Gb SD memory card
Camera buttons	On/Off	On/Off	Videostream/freeze, AEWB on/off, save image, cursor on/off
Mounting	C-mount interface	C-mount interface	C-mount interface
Power supply	External main adapter 100-240 Vac to 12Vdc/2A	External main adapter 100-240 Vac to 12Vdc/2A	External main adapter 100-240 Vac to 5Vdc/1A
Operation	0 – 60° C, 45-85 % humidity	0 – 60° C, 45-85 % humidity	-10 – 40° C, 30-80 % humidity
Storage temperature	-20 to 70° Celsius	-20 to 70° Celsius	-20 to 60° Celsius
Product number	VC.3036	VC.3031	VC.3030



WIFI CAMERAS
FOR EDUCATION

FEATURED

CMEX-WIFI 5.0 MP

digital WiFi camera with 1/2.5 inch CMOS sensor

DC.5000-WIFI

The CMEX-WIFI 5 camera is equipped with a 5 MP CMOS sensor with 12 bits grayscale conversion and a 24 bits color rendering.

The CMEX camera streams H.264 encoded high resolution images simultaneously to several WiFi enabled smartphones, tablets or computers with iOS, Android and Windows operating systems

Power supply over USB charger or computer USB port. Standard C-mount mounting



Adding a WiFi camera to your microscope is ideal for wireless sharing/viewing microscope images. Ideal for demonstrations or placed where remote viewing is needed

Apps for Android for this camera are supplied on cd (Android) or can be downloaded from the App store (free of charge). ImageFocus Alpha software can be used for Windows based devices and WiFi connected PC. Also supplied with the camera on cd

The camera is powered by the included USB charger or a computers USB port. Standard C-mount mounting with 0.45x C-mount objective included

MODEL

	Sensor	Sensor Size (inches)	Pixels size (µm)	Resolutions	Grayscale conversion	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Product number
CMEX-WIFI5	CMOS	1/2.5"	2.2 x 2.2	1280 x 720	12 bits	24 bits	43	61	1.0	DC. 5000-WIFI

The CMEX-WIFI 5 camera is supplied in a carton box with USB-2 cable, 30.0 and 30.5 mm adapters to use with stereo microscopes, and a 0.45x C-mount objective

TABLET CAMERAS

FEATURED



EduPad tablet with microscope camera

The EduPad tablet with a 8" display can be supplied with a 1.3 MP, 3.2 MP, 5 MP or even a WiFi camera. Together with the ImageFocus 4 or ImageFocus Alpha software it offers a state-of-the-art solution for modern microscopy for education, industry and laboratory

SOFTWARE

EduPad is supplied with ImageFocus 4 software is compatible with all above mentioned USB-2 cameras. Besides live imaging, the software captures images in Jpeg, Tiff or Bmp formats or video recording in Avi format. The software has a wide range of functions and measurements can be done on still and live images. The brightness, contrast and saturation of captured images can be adjusted. Camera parameters for exposure time, white balance and color control are easily accessible

Compatible with Windows XP, Vista, Windows 7, 8 and 10, both 32 and 64 bits configuration



HIGHLIGHTS

- 8" Tablet with microscope camera
- 1280 x 800 pixels touchscreen
- Full Windows 8.1, 32 bit system
- ImageFocus 4 capture software for PC
- ImageFocus Alpha for WiFi enabled PC and Android devices
- Tablet can be fully detached from camera



EduPad; take it anywhere

SPECIFICATION

Processor	Quad Core 1.33 GHz with HD graphics processor
Screen	1280 x 800 (WGXA) touchscreen, LED backlight
Memory	1 GB DDR RAM, 2 MB cache
Storage	32 GB intern SDD, micro SD up to 32 GB
Webcam	2 MP, 1600 x 1200 pixels front and rear cameras
Connectivity	Micro USB 2.0, Wi-Fi 802.11 b/g/n and Bluetooth 4.0
Audio	Stereo with 3.5 mm audio jack and internal microphone
Battery	Lithium, 4420 mAh, 17 Wh
Housing	Aluminium, white colour, 214 x 128 x 9.8 mm
Weight	370 gram
System	Windows 8.1, 32 bit

MODELS

	Camera (MP)	Sensor size	Resolution	Pixels size (µm)	ADC	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Interface	Product number
EduPad-1	1.3	1/3"	1280x1024	3.6 x3.6	10 bits	24 bits	55 db	72 db	1.3	USB-2	EP.1300c
EduPad-3	3.2	1/2"	2048x1536	3.2 x3.2	10 bits	24 bits	44 db	72 db	1.3	USB-2	EP.3000c
EduPad-5	5	1/2.5"	2592x1944	2.2 x 2.2	10 bits	24 bits	42 db	65 db	1.3	USB-2	EP.5000c
EduPad-WIFI	5	1/2.5"	1280x720	2.2 x 2.2	12 bits	24 bits	40.5 db	66.5 db	0.53	WiFi	EP5000-WIFI



ProPad tablet with microscope camera and keyboard-docking station

The ProPad Full HD (1280x800) display reveals bright colours and crisp, microscopic images. The ProPad consists out of a high quality microscope camera system and a fully detachable tablet running the latest ImageFocus versions. You can take it anywhere

Together with the included attachable keyboard, you can use it as a microscope imaging system, tablet and laptop. The keyboard connects to the tablet using magnets to provide a latchless docking solution that lets you smoothly remove and re-attach the keyboard to the ProPad

SOFTWARE

ProPad-1, ProPad-3 and ProPad-5 are supplied with ImageFocus 4. ProPad-WIFI is supplied with ImageFocus Alpha software for image and video capture and measuring



HIGHLIGHTS

- 10.1" Tablet with microscope camera
- 1280 x 800 pixels HD touchscreen
- Full Windows 8.1, 32 bit system
- ImageFocus 4 capture software for PC
- ImageFocus Alpha for WiFi enabled PC and Android devices
- Tablet can be fully detached from camera
- Including keyboard
- The keyboard uses a magnetic docking solution so you can loosen it easily and snap on the ProPad



ProPad and keyboard-docking station



SPECIFICATION

Processor	Quad Core 1.33 GHz with HD graphics processor
Screen	1280 x 800 (WGXA) touchscreen, LED backlight
Memory	2 GB DDR RAM, 2 MB cache
Storage	32 GB intern SDD, micro SD up to 32 GB
Webcam	2 MP, 1600 x 1200 pixels front and rear cameras
Connectivity	Micro USB 2.0, WiFi 802.11 b/g/n and Bluetooth 4.0
Audio	Stereo with 3.5 mm audio jack and internal microphone
Battery	Lithium, 4420 mAh, 17 Wh
Housing	Aluminium, white colour, 214 x 128 x 9.8 mm
Weight	788 gram
System	Windows 8.1, 32 bit
Supplied with	Keyboard-docking station

MODELS

	Camera (MP)	Sensor size	Resolution	Pixels size (µm)	ADC	Color rendering	Signal/ Noise(db)	Dynamic (db)	Sensibility V/lux-sec	Interface	Product number
ProPad-1	1.3	1/3"	1280x1024	3.6 x3.6	10 bits	24 bits	55 db	72 db	1.3	USB-2	PP.1300c
ProPad-3	3.2	1/2"	2048x1536	3.2 x3.2	10 bits	24 bits	44 db	72 db	1.3	USB-2	PP.3000c
ProPad-5	5	1/2.5"	2592x1944	2.2 x 2.2	10 bits	24 bits	42 db	65 db	1.3	USB-2	PP.5000c
ProPad-WIFI	5	1/2.5"	2592x1944	2.2 x 2.2	12 bits	24 bits	40.5 db	66.5 db	0.53	WiFi	PP.5000-WIFI



VC.3032

CCD color camera - 580 lines with composite and S-video output

The Euromex analogue camera VC.3032 offers the perfect solution to modern microscopy for industry and laboratories where real time images are needed. These high resolution cameras can be used for either biological or stereo microscopes. The cameras are equipped with very sensitive sensors with brightfield and dark field applications as well for phase contrast and with coaxial illumination

DIGITAL

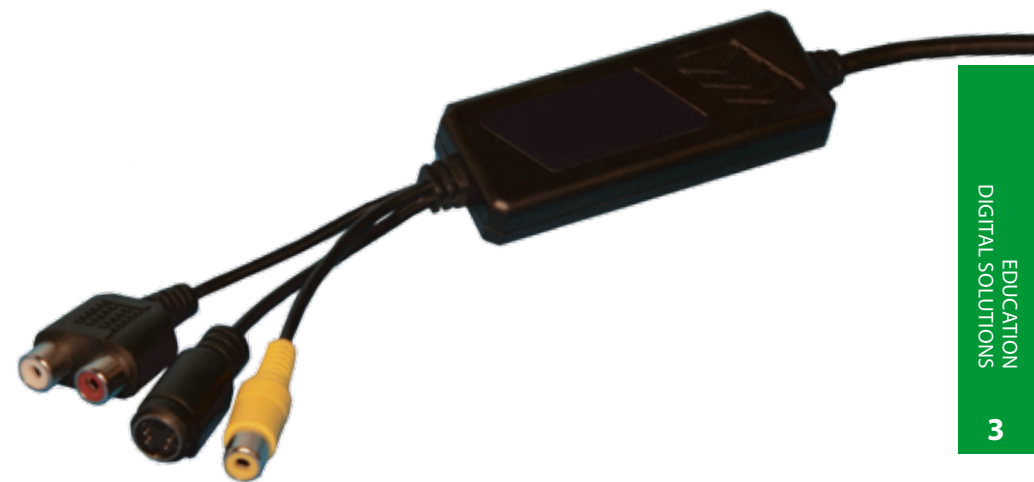
Digitizing the images of this analogue camera can be done using the VC.5491 frame grabber. Connected to PC using USB-2 this device allows storage of images and videos

REALTIME

The real time images generated with this camera provide extremely well true- to-live colors without any delay. Most camera settings are done automatically and makes the cameras ideal for real time inspection, education and demonstrations. Connection is done using BNC(composite), SCART or S-video for connection to HDMI TV, monitors or beamers

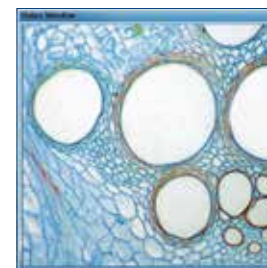
MODEL

	Sensor	Sensor size (inches)	Number of pixels	Number of image lines	White balance	Sensitivity	Output	Connection
VC.3032	CCD	1/2"	297,984	580	auto/manual	auto/manual	Composite/S-Video	C-mount



Mini USB-2 Video Grabber for CCD color camera

This mini VC.5491 USB-2 video grabber converts composite or a S-video signal from any analogue camera into digital images and sends them to a computer via a USB-2 connection



Video Window

MODEL

Images	Saving in BMP, JPG, TIFF format
Image resolution	640 x 480 pixels (fixed image)
Video movies	Saving in AVI, MPEG-2, MPEG-4, VCD, SVCD, WMV format
Video resolution	730 x 480, 640 x 480, 640 x 240, 320 x 240 pixels
Video system	PAL, SECAM, NTSC
Settings	Brightness, contrast, hue and saturation
Video input	Composite and S-video (Y/C)
Audio input	Cinch connection - stereo left/right
Power supply	5 Vdc, max 330 mA via USB-port 2
Minimum requirements	PC Pentium 4, 1 GHz, 128 MB RAM internal memory, a free USB-2 port, soundcard
Operation system	Windows 2000 SP3, Windows XP SP 1 (or higher), Windows Vista, Windows 7 and 8
Product number	VC.5491

ADAPTERS

FOR ALL
MICROSCOPE
CAMERAS



Adapter Guide Microscope and camera

This comprehensive guide will help you select the right adapters for your camera and microscope. Most cameras are plug and play with most microscopes, if not the applicable adapter is indicated.

Simply order the adapter with your camera and the system is ready to use. Do you want to connect our cameras to another microscope brand? Euromex offers high quality adapters for most brands on the market, please contact us for models

MODELS

	DC.1300c	DC.1300s / DC.3000s / DC.3000c / DC.5000c / DC.10000p / DC.3000p / DC.5000p / DC.18000p / DC.5000-WIFI / VC.3030	DC.5000i	VC.3031 VC.3032	VC.3036	DSLR camera (need brand specific T2 adapter)
AP series	Plug & Play**	Plug & Play**	DC.1335 + DC.1323	DC.1335 + DC.1324	DC.1335 + DC.1326	AE.5130 + DC.1335 + T2
B and B+ series	Monocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
B and B+ series	Binocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
B and B+ series	Trinocular	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
BioBlue	Monocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
BioBlue	Binocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
BioBlue	Trinocular	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2
BioBlue.Lab	Binocular*	Plug & Play**	DC.1330 + DC.1323	DC.1330 + DC.1324	DC.1330 + DC.1326	AE.5130 + DC.1330 + T2
BioBlue.Lab	Trinocular	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2

* Camera substitutes one eyepiece

** Using the supplied 30/30.5 mm conversion adapters (DC.1330/DC.1335)

ACCESSORIES AND SPARE PARTS

- DC.1320** C-mount adapter with 1x objective for standard Ø 23.2 mm tubes
- DC.1323** C-mount adapter with 0.67x objective for standard 23.2 mm tubes and 2/3" camera
- DC.1324** C-mount adapter with 0.45x objective for standard Ø 23.2 mm tubes and 1/2" camera
- DC.1326** C-mount adapter with 0.35x objective for standard Ø 23.2 mm tubes and 1/3" camera
- NZ.9833** C-mount adapter with 0.33x objective for NexiusZoom microscopes and 1/3" cameras
- NZ.9850** C-mount adapter with 0.5x objective for NexiusZoom microscopes and 1/2" cameras
- SB.9833** C-mount adapter with 0.33x objective for StereoBlue microscopes and 1/3" cameras
- SB.9850** C-mount adapter with 0.5x objective for StereoBlue microscopes and 1/2" cameras

- DC.1330** 30 mm to 23.2 mm conversion adapters for stereo microscopes
- DC.1335** 30.5 mm to 23.2 mm conversion adapters for stereo microscopes

- OX.5120** Standard 23.2 mm diameter tube for Oxion photo port
- AE.5130** Universal SLR camera adapter for 23.2 mm tubus with built-in 2x magnification lens. Needs T2 adapter
- AE.5025** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR cameras
- OX.9833** C-mount adapter with 0.33x objective for Oxion microscopes and 1/3" cameras
- OX.9850** C-mount adapter with 0.5x objective for Oxion and Oxion Inverso microscopes and 1/2" cameras



MODELS

	DC.1300c	DC.1300s / DC.3000s / DC.3000c / DC.5000c / DC.10000p / DC.3000p / DC.5000p / DC.18000p / DC.5000-WIFI / VC.3030	DC.5000i	VC.3031 VC.3032	VC.3036	DSLR camera (need brand specific T2 adapter)	other available items
EduBlue	Plug & Play**	Plug & Play**	DC.1330 + DC.1323	DC.1330 + DC.1324	DC.1330 + DC.1326	AE.5130 + DC.1330 + T2	
EcoBlue	Monocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2	
EcoBlue	Binocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2	
MicroBlue	Monocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2	
MicroBlue	Binocular*	Plug & Play	DC.1323	DC.1324	DC.1326	AE.5130 + T2	
NexiusZoom	Binocular*	Plug & Play**	DC.1330 + DC.1323	DC.1330 + DC.1324	DC.1330 + DC.1326	AE.5130 + DC.1330 + T2	
NexiusZoom	Trinocular	Plug & Play	NZ.9850 or DC.1323	NZ.9850 or DC.1324	NZ.9833 or DC.1326	AE.5130 + T2	NZ.9850
StereoBlue	Binocular*	Plug & Play**	DC.1330 + DC.1323	DC.1330 + DC.1324	DC.1330 + DC.1326	AE.5130 + DC.1330 + T2	
StereoBlue	Trinocular	Plug & Play	DC.1323 or SB.9850	DC.1324 or SB.9850	DC.1326 or SB.933	AE.5130 + T2	

Accessories

for microscopy



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Accessories

for microscopy

Euromex offers a one-stop solution for all microscopy related accessories needed during microscopy sessions. From dissection instruments to stains, cold light sources to LED ring light illuminators, Euromex can provide a wide selection of product accessories

Extend the life of your microscope(s) with our dedicated tools to clean and maintain the mechanical and optical parts



Illumination Solutions

for stereo microscopy



For stereo microscopy choosing the right illumination is essential to obtain a perfect image with maximum resolution. LED light sources have a much longer lifetime, less energy consumption and less heating than halogen light sources

The major advantage of LED illumination is the constant light spectrum at all light intensity levels. These light sources are suitable for all kind of applications in industry, Life Sciences and Materials Sciences

ILLUMINATION SOLUTIONS

The right light source solution can enhance and reveal the details you want to examine



Multifunctional 150 W halogen or 30 W PowerLED cold light source

A powerful multifunctional 150 W halogen (LE.5211) and 30 W PowerLED cold light source is ideal for the advanced requirements of numerous applications in life and materials science. The intensity is adjustable and has a built-in forced air cooling. The LE.5211 and LE.5211-LED light sources require a light fiber conductor like the single LE.5213, dual LE.5214, triple LE.5215 or the LE.5239 or LE.5240 ring light fiber conductors

The LE.5213, LE.5214 and LE.5215 light conductors can be equipped with a lens holder (LE.5222) and a focusing lens (LE.5224)



LE.5211-LED/LE.5211 + LE.5214 + 2x LE.5222 + 2x LE.5224

Power	150 W halogen	30 W PowerLED (equivalent to 120 W halogen)
Color temperature	3,000 K	6,500 K
Operating voltage	100-240 V AC / 12 V DC (50/60 Hz)	00-240 V AC / 12 V DC (50/60 Hz)
Dimensions	(h) 150 x (w) 150 x (d) 230 mm	(h) 150 x (w) 150 x (d) 230 mm
Weight	2.8 kg	3.9 kg
Model	LE.5211	LE.5211-LED

Multifunctional 100 W halogen cold light source

This popular multifunctional cold light source contains a 100 W halogen light source. The intensity is adjustable and it has a built-in forced air cooling. The LE.5210 light source requires a light fiber conductor like the single LE.5213, dual LE.5214, triple LE.5215 or the LE.5239 or LE.5240 ring light fiber conductors.

The LE.5213, LE.5214 and LE.5215 light conductors can be equipped with a lens holder (LE.5222) and a focusing lens (LE.5224).

Ideal for all kind of applications in Life- and Material Sciences, various industrial applications and for stereo microscopy



Power	100 W halogen
Color temperature	3,000 K
Operating voltage	100-240 V AC / 12 V DC (50/60 Hz)
Dimensions	(h) 115 x (w) 320 x (d) 215 mm
Weight	3.8 kg
Model	LE.5210

Compact single 20 W light source

Compact cold light source with single 40 cm, 6 mm diameter fibre light conductor.

Equipped with a 20 W halogen lamp. Light intensity is factory preset and can not be adjusted



Power	20 W halogen
Color temperature	3,000 K
Operating voltage	110 V AC and 230 V AC versions (50/60 Hz)
Dimensions	(h) 80 x (w) 110 x (d) 165 mm
Weight	2.0 kg
Model	LE.5209

Economical and compact dual 2 W LED light source

Economical dual LED intensity adjustable light source with two 44 cm flexible Gooseneck arms each mounted with a 1 W LED. Ideal for applications in Life and Materials Sciences, various industrial applications and for stereo microscopy



Power	22x 1 W LED = 2x 20 W halogen equivalent
Color temperature	6,500 K
Operating voltage	100-240 V AC / 12 V DC (50/60 Hz)
Dimensions	(h) 70 x (w) 120 x (d) 170 mm
Weight	1.6 kg
Model	LE.5208

Fluorescence 40 Hz ring light source for Z serie zoom objective

Suitable for Z series stereo zoom objectives, except for ZE.1659. Integrated 240 V AC power supply



Ring illumination	Fluorescent 40 kHz ring, fixed intensity
Color temperature	5,200 K
Illuminance	6,500 Lux at 100 mm distance
Working distance:	35-160mm
Mounting	48 mm with adapter for ZE series microscopes
Power supply	230-250 V
External diameter	100 mm
Model	LE.1863

Economical 56 LEDs ring light source

Entry-level 8,000 lux LED ring light source



Ring illumination	56 LEDs with adjustable intensity
Color temperature	6,500 K
Illuminance	12,000 Lux at 100 mm distance
Working distance:	from 55 and 120 mm
Mounting	for stereo head with diameter 25 to 60 mm
Power supply	100-240 V AC /12 V DC (50/60 Hz)
External diameter	100 mm
Model	LE.1970

Professional high PowerLED ring light sources LE.1980/ LE.1981

LED ring light source with maximum illuminance and metal construction for professional usage. With adjustable intensity, optional power supply/ segment controller, diffuser, polarizers and fresnel focusing lenses for perfect illumination of objects



MODELS	Number of LEDs	Color temperature	Illuminance	For mounting diameters	Internal/ external diameter	Controls	Required power supply
LE.1980	48	6,000 K	17,000 lux	from 30 to 66 mm	45/90 mm	Analog controller, Intensity adjustable from 0-100 %	LE.1992
LE.1981	48	6,000 K	17,000 lux	from 30 to 66 mm	45/90 mm	Digital segments controller for 8, 4 or 1 segment, intensity adjustable from 0-100 %	LE.1993

144 LEDs ring light source with segment illumination

LED ring light source with high illuminance and segment illumination for all kind of demanding applications



Ring illumination	144 LEDs with adjustable intensity and 4 segment illumination
Color temperature	6,500 K
Illuminance	230,000 Lux at 100 mm distance
Working distance:	from 55 to 200 mm
Mounting	for stereo head with diameter from 25 to 61 mm
Power supply	100-240 V AC /12 V DC (50/60 Hz)
External diameter	100 mm
Model	LE.1973

Compact 60 LEDs ring light source

Compact 20,000 lux LED ring light source



Ring illumination	60 LEDs with adjustable intensity and 4 segment illumination
Color temperature	6,500 K
Illuminance	20,000 Lux at 100 mm distance
Working distance:	from 50 to 180 mm
Mounting	for stereo head with diameter from 25 to 61 mm
Power supply	100-240 V AC /12 V DC (50/60 Hz)
External diameter	100 mm
Model	LE.1972

Professional high PowerLED ring light sources LE.1990/ LE.1991

LED ring light source with maximum illuminance and metal construction for professional usage. With adjustable intensity, optional power supply/ segment controller, diffuser, polarizers and fresnel focusing lenses for perfect illumination of objects



MODELS	Number of LEDs	Color temperature	Illuminance	For mounting diameters	Internal/ external diameter	Controls	Required power supply
LE.1990	72	6,000 K	21,000 lux	from 40 to 66 mm	60/110 mm	Analog controller, Intensity adjustable from 0-100 %	LE.1992
LE.1991	72	6,000 K	21,000 lux	from 40 to 66 mm	60/110 mm	Digital segments controller for 8, 4 or 1 segment, intensity adjustable from 0-100 %	LE.1993

ACCESSORIES AND SPARE PARTS

FOR LE.5210, LE.5211 AND LE.5211-LED COLD LIGHT SOURCES

FIBER LIGHT CONDUCTOR

- LE.5213** Single arm fiber light conductor, Gooseneck self-sustaining, 50 cm long, 4 mm diameter
- LE.5214** Dual arm fiber light conductor, Gooseneck self-sustaining, 50 cm long, 4 mm diameter
- LE.5215** Triple arm fiber light conductor, Gooseneck self-sustaining, 50 cm long, 4 mm diameter
- LE.5219** Dual arm fiber light conductor, Gooseneck self-sustaining, 70 cm long, 4 mm diameter
- LE.5239** Slit ring-shaped fiber light conductor 60 cm long, 8 mm diameter
- LE.5240** Slit ring shaped fiber light conductor 100 cm long, 8 mm diameter
- LE.5241** Flexible fiber light conductor, curved 90°, 60 cm long, 4 mm diameter
- LE.5216** Single arm flexible fiber light conductor, 100 cm long, 4 mm diameter
- LE.5235** Dual arm flexible fiber light conductor, 100 cm long, 4 mm diameter
- LE.5235-3** Dual arm flexible fiber light conductor, 300 cm long, 4 mm diameter
- LE.5217** Triple arm flexible fiber light conductor, 100 cm long, 4 mm diameter
- LE.5218** Single arm flexible fiber light conductor, 100 cm long, 8 mm diameter
- LE.5220** Single arm flexible fiber light conductor, 200 cm long, 8 mm diameter

- LE.5222** Focusing head for focusing lens LE.5224, LE.5228 or filters LE.5223, LE.5229 and LE.5231 *(for fiber light conductors)*
- LE.5224** Focusing lens. Requires LE.5222 or LE.5228 for mounting on LE.5213, LE.5214 and LE.5215
- LE.5228** Focusing head with iris diaphragm *(for fiber light conductors)*
- LE.5223** Set of 3 color filters (red, blue, green), suitable for LE.5222 and LE.5228
- LE.5229** Polarization filter
- LE.5231** Conversion KB12/80B filter

HALOGEN BULBS AND FUSES

- SL.5208** Halogen 20 W 12 V bulb with reflector (3,000 hrs nominal), GU4 fits LE.5209
- SL.5219** Halogen 100 W 12 V bulb with reflector (50 hrs nominal), MR16 fits LE.5210
- SL.5230** Halogen 100 W 12 V 'Long Life' bulb (1,000 hrs nominal), MR16 fits LE.5210
- SL.5235** Halogen 150 W 15 V bulb (50 hrs nominal), MR16 fits LE.5211
- SL.5240** Halogen 150 W 15 V 'Long Life' bulb (500 hrs nominal), MR16 fits LE.5211
- AE.5227** Spare fuses 1A/250 V, 10 pieces

FOR LE.1863

- SL.1864** Spare fluorescence lamp

FOR LE.1980 AND LE.1981

- LE.1984-050** Fresnel lens, working distance from 40 to 80 mm
- LE.1984-100** Fresnel lens, working distance from 80 to 150 mm
- LE.1984-200** Fresnel lens, working distance from 150 to 240 mm

- LE.1984** Diffusing filter, for working distance from 40 to 300 mm
- LE.1985** Glass protection window
- LE.1887** Polarizing filter
- LE.1888** Rotatable polarizing filter

- LE.1992** 100-230 V power supply analog controller. Intensity adjustable from 0-100%
- LE.1993** 100-230 V power supply digital segment controller. Intensity adjustable from 0-100%

FOR LE.1990 AND LE.1991

- LE.1994-050** Fresnel lens, working distance from 40 to 80mm
- LE.1994-100** Fresnel lens, working distance from 80 to 150 mm
- LE.1994-200** Fresnel lens, working distance from 150 to 240 mm

- LE.1994** Diffusing filter, for working distance from 40 to 300 mm
- LE.1995** Glass protection window
- LE.1897** Polarizing filter
- LE.1898** Rotatable polarizing filter

- LE.1992** 100-230 V power supply analog controller. Intensity adjustable from 0-100%
- LE.1993** 100-230 V power supply digital segment controller. Intensity adjustable from 0-100%

PREPARATION ACCESSORIES

Euromex offers the right tools for preparing samples. Before using a microscope good samples are necessary to get the most accurate results



DISSECTION INSTRUMENTS

- PB.5050** Dissecting needle, straight tip with plastic handle
- PB.5054** Dissecting needle, lancet-shaped with plastic handle
- PB.5056** Blunt-pointed probe, Ø2 mm, length 140 mm
- PB.5058** Section lifter with wooden handle
- PB.5060** Serrated thumb dressing forceps, length 13 mm
- PB.5062** Dressing forceps with blunt tips, length 13 cm
- PB.5064** Dressing forceps with blunt tips, length 20 cm
- PB.5067** Dissecting forceps with sharp tips, length 13 cm
- PB.5069** Dissecting forceps with finely curved sharp tips, length 13 cm
- PB.5077** Cover glass forceps, length 11 cm



SCISSORS AND BLADES

- PB.5080** Dressing scissors with blunt/sharp tip, length 14 cm
- PB.5084** Dissecting scissors, sharp tips, length 11 cm
- PB.5092** Scalpel with blunt tip, length 15 cm
- PB.5094** Scalpel handle no. 4 (for blades PB.5095 and PB.5096)
- PB.5095** Scalpel blades with sharp tip, 5 pieces per set
- PB.5096** Scalpel blades with blunt tip, 5 pieces per set
- PB.5103** Strop, double sided for stropping of scalpels, microtome knives. Includes stropping paste
- PB.5105** Razor plano/concave, for sectioning. With plastic handle
- PB.5106** Microtome knife plano/concave. With fixed handle, length 17 cm



HANDHELD MICROTOMES

- MT.5500** Cylinder microtome. Round stage Ø 70 mm with flat black glass top. Height adjustable with micrometer division 0.01 mm. Complete with plano-concave knife PB.5106 and wooden cabinet
- MT.5501** Cylinder microtome. Identical to MT.5500 but without knife and wooden cabinet
- MT.5503** Handheld microtome. Box type with table clamp and razor blade holder. Thickness adjustment by 0.025 mm intervals. Complete with wooden cabinet



DISSECTION KIT

4-PC Dissection kit PB.5110 in imitation leather case

Kit with dissecting needle straight (PB.5050), dissecting forceps (PB.5067), dissecting scissors (PB.5084) and scalpel (PB.5092).
Supplied with imitation leather case



PB.5110

6-PC Dissection kit PB.5111 in plastic case

Kit with dissecting needle straight (PB.5050), dissecting needle lancet-shaped (PB.5054), dissecting forceps (PB.5067), dissecting scissors (PB.5084), scalpel handle no. 4 (PB.5094) and blades (PB.5096). Supplied with plastic case



PB.5111

10-PC Dissection kit PB.5112 in imitation leather case

Kit with two dissecting needles straight (PB.5050), dissecting needle lancet-shaped (PB.5054), dressing forceps (PB.5062), dissecting forceps (PB.5067), scissors (PB.5080), dissecting scissors (PB.5084), 2 scalpels (PB.5094), 5 scalpel blades with straight tip and 5 blades with blunt tip (PB.5095/PB.5096).
Supplied with imitation leather case



PB.5112

9-PC Dissection kit PB.5114 in wooden cabinet

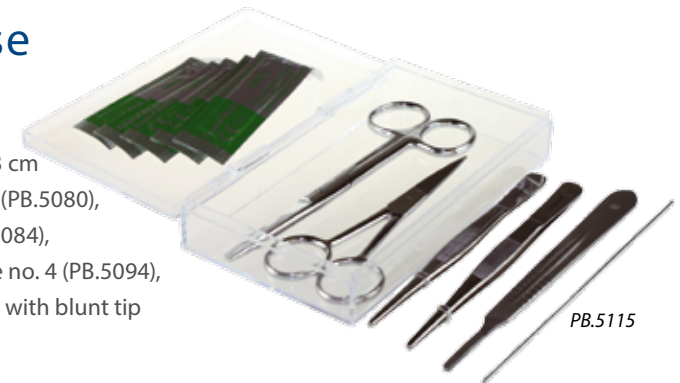
Kit with two dissecting needles straight (PB.5050), dissecting needle lancet-shaped (PB.5054), dressing forceps (PB.5062), dissecting forceps (PB.5067), scissors (PB.5080), dissecting scissors (PB.5084), 2 scalpels (PB.5094), 5 scalpel blades with straight tip and 5 blades with blunt tip (PB.5095/PB.5096).
Supplied with wooden cabinet



PB.5114

6-PC Dissection kit for Koi fish PB.5115 in plastic case

Dissecting set for Koi fish.
Consisting of plastic box with forceps with 1 x 2 points (PB.5060), forceps blunt points, 13 cm (PB.5062), scissors, blunt/ sharp points, 14 cm (PB.5080), microscope scissors, sharp points, 11 cm (PB.5084), blunt-pointed probe (PB.5056), scalpel handle no. 4 (PB.5094), 5 scalpel blades with straight tip and 5 blades with blunt tip (PB.5095/PB.5096)



PB.5115

Professional slide preparation kit PB.5125 in plastic deluxe case

Kit with 3 prepared slides, 50 microscope slides (PB.5150) and 100 cover glasses (PB.5165). Two microscope slides with cavity. Canada balsam, dissecting needle (PB.5050 and PB.5054). Dissecting forceps (PB.5067), dissecting scissors (PB.5084) and scalpel (PB.5092).
Supplied with plastic box



PB.5125

MICROSCOPE PREPARED SLIDES

Euromex offers both teachers, students and microscopy amateurs a wide range of quality microslides, which can be used immediately in biology classes as introduction to zoology and botany



25 Slides set of human histology, zoology and botany PB. 5211 for education

Set with 25 microscopy slides for education: human histological samples of men and mammals, zoology and botany. All microscope slides supplied in a plastic box for 25 slides. The set contains:

HISTOLOGY

- SH.1011** Hard bone grinding, human, section
- SH.1045** Skeletal muscle, dog, l.s and c.s.
- SH.1072** Skin section through hair follicle, human
- SH.1078** Stratified flat epithelium, dog, section
- SH.1150** Blood smear human, Giemsa stained

ZOOLOGY

- SZ.1510** Amoeba proteus, w.m.
- SZ.1580** Hydra with bud, w.m.
- SZ.1640** Lumbricus - earthworm, c.s.
- SZ.1655** Daphnia sp., water flea, w.m.
- SZ.1715** Musca domestica, house fly, mouth parts
- SZ.1717** Musca domestica, house fly, leg with clinging pads
- SZ.1719** Musca domestica, house fly, wing w.m.

BOTANY

- SB.2006** Allium cepa, onion, scale epidermis, w.m.
- SB.2009** Allium cepa, onion, mitosis root tip, l.s.
- SB.2055** Zea mays, corn, stem, cs.
- SB.2060** Triticum aestivum, wheat, stem, c.s.
- SB.2070** Helianthus, sunflower, young stem, c.s.
- SB.2130** Helianthus, sunflower, leaf, c.s.
- SB.2205** Monocot/dicot flower, ze a mays/ranunculus, c.s.
- SB.2212** Lilium, lily, ovary, c.s.
- SB.2335** Mnium, w.m.
- SB.2355** Rhizopus nigricans, bread mold, developed sporangia
- SB.2377** Diatoms, w.m.
- SB.2381** Spirogyra sp., vegetative mass, w.m.
- SB.2405** Dental plaque, smear

25 Slides set of human histology, zoology and botany PB. 5212 for education

Set with 25 microscopy slides for education: human histological samples of men and mammals, zoology and botany. All microscope slides supplied in a plastic box for 25 slides. The set contains:

HISTOLOGY

- SH.1001** Loose connective tissue, rabbit
- SH.1005** Hyaline cartilage rabbit, section
- SH.1160** Lymph node, rabbit, section
- SH.1230** Small intestine, dog, c.s.
- SH.1250** Liver, pig, section
- SH.1430** Cerebrum section, dog

ZOOLOGY

- SZ.1520** Paramecium, w.m.
- SZ.1625** Schistosoma Japonicum, fluke eggs, bilharziose
- SZ.1630** Taenia, tapeworm pig, mature proglottid, w.m.
- SZ.1635** Ascaris megalcephala, horse roundworm, female + male, c.s.
- SZ.1708** Apis mellifica, honey bee, mouth parts
- SZ.1725** Periplaneta, cockroach, mouth parts of chewing type
- SZ.1730** Pieres brassicae, cabbage-white butterfly, mouth, w.m.
- SZ.1750** Periplaneta, cockroach, spiracle of insect, w.m.

BOTANY

- SB.2095** Monocot/dicot stem, ze a mays/pumpkin, c.s.
- SB.2105** Hibiscus, young stem, c.s.
- SB.2110** Cucurbita, pumpkin, stem, l.s.
- SB.2115** Sambucus, elderberry or Morus Alba, mulberry, stem with cork cambium + lenticels, c.s.
- SB.2160** Lilium, lily leaf, c.s.
- SB.2225** Zea mays, corn, corn seed with embryo, l.s.
- SB.2235** Pirus, pear, stone cells, section
- SB.2240** Triticum aestivum, wheat, kernel, l.s.
- SB.2305** Cyrtomium, holly fern, c.s. of rhizom
- SB.2310** Cyrtomium, holly fern, section
- SB.2386** Oscillatoria, blue-green algae

USED ABBREVIATIONS

c.s.	cross section
l.s.	longitudinal section
w.m.	whole mount

25 Slides set of human histology, zoology and botany PB. 5213 for education

Set with 25 microscopy slides for education: human histological samples of men and mammals, zoology and botany. All microscope slides supplied in a plastic box for 25 slides. The set contains:

HISTOLOGY

- SH.1006** Elastic cartilage, rabbit
- SH.1040** Smooth muscle, teased preparation, rabbit, l.s.+c.s.
- SH.1110** Lung with injected blood vessels, rabbit, c.s.
- SH.1130** Artery and vein, rabbit, c.s.
- SH.1410** Nerve, rabbit, c.s. and l.s.

ZOOLOGY

- SZ.1535** Euglena virides, a flagellate with eyespot
SZ.1586 Hydra, w.m. of tentacles
SZ.1620 Schistosoma Japonicum, female, w.m.
SZ.1705 Apis mellifica, honey bee, posterior leg, w.m.
SZ.1733 Pieris brassicae, cabbage-white butterfly, part of wing
SZ.1738 Locusta, grasshopper, mouth parts, w.m.
SZ.1780 Insects - four types of legs, honey bee, house fly, house mosquito, spider
SZ.1877 Rana sp, frog, blood smea

25 Slides set of human histology, zoology and botany PB. 5214 for education

Set with 25 microscopy slides for education: human histological samples of men and mammals, zoology and botany. All microscope slides supplied in a plastic box for 25 slides. The set contains:

HISTOLOGY OF HUMAN AND MAMMALS

- SH.1060** Tendon l.s. (Dense connective tissue), dog
SH.1075 Skin section with sweat gland, human
SH.1330 Testis rabbit, c.s.
SH.1340 Ovary rabbit with developed eggs
SH.1360 Sperm human, smear
SH.1490 Retina, rabbit, sec.

ZOOLOGY

- SZ.1522** Paramecium conjugation w.m.
SZ.1524 Paramecium in fission, w.m.
SZ.1540 Trachelomonas, a free swimming type euglena
SZ.1585 Hydra with endoderm + ectoderm, c.s.
SZ.1710 Apis mellifica - honey bee compound eye, w.m.
SZ.1720 Culex pipiens - house mosquito, larva w.m.
SZ.1724 Giant chromosomes of salivary gland, w.m.
SZ.1810 Mya arenaria, clam gill, c.s.
SZ.1860 Section through gonads and gills, l.s.

BOTANY

- SB.2011** Zea mays, corn root tip with hairs, l.s.
SB.2020 Helianthus, sunflower, old root, c.s.
SB.2025 Monocot/dicot plant roots, zea mays/helantius, c.s.
SB.2040 Solanum tuberosum, potato, starch grains
SB.2075 Tilia, lime tree, one year stem, c.s.
SB.2091 Ceratophyllum Demersum, hornwort, leave with air stomas, c.s.
SB.2100 Pelargonium hortorum, geranium, stem c.s.
SB.2337 Mnium, antheridial branch, l.s.
SB.2339 Mnium, archegonial branch, l.s.
SB.2373 Coprinus, ink caps mushroom, section of pleus
SB.2380 Spirogyra sp. in conjugation
SB.2420 3 types of bacteria, cocci, bacilli, spirelli

BOTANY

- SB.2015** Ranunculus, buttercup, root c.s.
SB.2076 Tilia, lime tree, 1, 2 & 3 year stem, c.s. on one slide
SB.2080 Pinus - pine tree, stem l.s.
SB.2140 Triticum, wheat, leaf, c.s.
SB.2150 Monocot/dicot leaves, zea mays/ligustrum lucidum, c.s.
SB.2230 Pinus, pine tree, male (cone) globose fruit l.s.
SB.2232 Pinus, pine tree, female (cone) globose fruit l.s.
SB.2315 Sporophyt w.m.
SB.2320 Cyrtomium, fern, leaf with sporangia
SB.2384 Volvox sp. w.m.

25 Slides set of human histology, zoology and botany PB. 5215 for education

Set with 25 microscopy slides for education: human histological samples of men and mammals, zoology and botany. All microscope slides supplied in a plastic box for 25 slides. The set contains:

HISTOLOGY

- SH.1043** Cardiac muscle, dog, l.s.
SH.1070 Squamous epithelium, human, isolated cells from mouth, smear
SH.1315 Kidney rat, sec. cortex & medulla
SH.1420 Cerebellum section, dog
SH.1450 Spinal cord, rabbit, c.s.
SH.1470 Taste buds, rabbit, l.s.

ZOOLOGY

- SZ.1610** Planaria, flat worm, injected intestinal tube, w.m.
SZ.1636 Ascaris megalcephala, horse roundworm, mitosis eggs
SZ.1760 Ctenocephalus canis, dog flea, w.m.
SZ.1770 Tetranychus, red spider mite, w.m.
SZ.1930 Bird, wing and down feather, section
SZ.1940 Chicken, embryo 48 hours, sagittal section

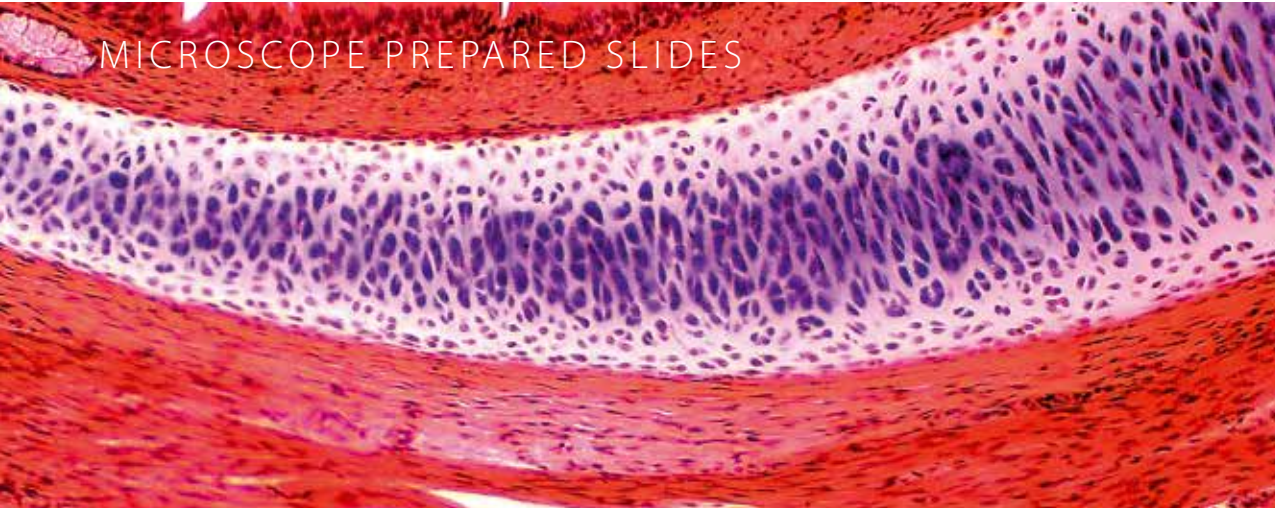
BOTANY

- SB.2090** Hydrilla verticillata, hydrilla stem tip, l.s.
SB.2112 Cucurbita, pumpkin, stem, c.s.
SB.2135 Nerium oleander, leaf with sunken stomata, c.s.
SB.2210 Lilium, lily, anther with mature pollen, c.s.
SB.2214 Lilium, lily, pollen, different stages of meiosis
SB.2220 Capsella, shepherds' purse, ovary w. embryo in pre-cotyledon stadium, l.s.
SB.2222 Capsella, shepherds' purse, ovary w. embryo in cotyledon stadium, l.s.
SB.2234 Pinus, pine tree, pollen, w.m.
SB.2330 Marchantia, liverworts, thallus with gemma cup, c.s.
SB.2360 Saccaromyces sp., yeast, budding, w.m.
SB.2365 Penicillium sp., w.m.
SB.2410 Streptococcus lactis, milk bacteria, smear
SB.2415 Bacillus subtilis, hay bacteria, smear

USED ABBREVIATIONS

c.s.	cross section
l.s.	longitudinal section
w.m.	whole mount

MICROSCOPE PREPARED SLIDES



23 Slides of human and mammal histology PB. 5221 set for education

Set with 23 microscopy slides for education: human histological samples of men and mammals.
All microscope slides supplied in a plastic box for 25 slides. The set contains:

EPITHELIUM AND CONNECTIVE TISSUES

- SH.1001** Loose connective tissue, rabbit
- SH.1005** Hyaline cartilage rabbit, section
- SH.1011** Hard bone grinding, human, section
- SH.1049** Muscle types, striated, smooth, heart muscle, dog, l.s.
- SH.1060** Tendon, dog, l.s.
- SH.1070** Squamous epithelium, human, isolated cells from mouth, smear
- SH.1072** Skin section through hair follicle, human
- SH.1078** Stratified flat epithelium, dog, section

RESPIRATORY, BLOOD CIRCULATION AND ENDOCRINE SYSTEM

- SH.1120** Trachea rabbit, c.s.
- SH.1130** Artery and vein, rabbit, c.s.
- SH.1150** Blood smear human, Giemsa stained

DIGESTIVE SYSTEM

- SH.1210** Stomach wall, dog, section
- SH.1230** Small intestine, dog, c.s.
- SH.1250** Liver, pig, section

URINARY AND GENITAL SYSTEM

- SH.1310** Injected kidney rabbit, sec.
- SH.1330** Testis rabbit, c.s.
- SH.1340** Ovary rabbit with developed eggs
- SH.1376** Human chromosomes in blood, female

NERVOUS SYSTEM AND SENSORY ORGANS

- SH.1410** Nerve, rabbit, c.s. and l.s.
- SH.1430** Cerebrum section, dog
- SH.1450** Spinal cord, rabbit, c.s.
- SH.1470** Taste buds, rabbit, l.s.
- SH.1490** Retina, rabbit, sec.



23 Slides of human and mammal histology PB. 5222 set for education

Set with 23 microscopy slides for education: human histological samples of men and mammals.
All microscope slides supplied in a plastic box for 25 slides. The set contains:

EPITHELIUM AND CONNECTIVE TISSUES

- SH.1006** Elastic cartilage, rabbit
- SH.1012** Hard bone grinding of rabbit, tooth, de-calcium
- SH.1040** Smooth muscle, teased preparation, rabbit, l.s.+c.s.
- SH.1043** Cardiac muscle, dog, l.s.
- SH.1045** Skeletal muscle, dog, l.s and c.s.
- SH.1075** Skin section with sweat gland, human
- SH.1080** Ciliated epithelium, trachea, rabbit

RESPIRATORY, BLOOD CIRCULATION AND ENDOCRINE SYSTEM

- SH.1110** Lung with injected blood vessels, rabbit, c.s.
- SH.1140** Pancreas, rabbit, section
- SH.1160** Lymph node, rabbit, section
- SH.1170** Thyroid gland, rabbit, section
- SH.1180** Adrenal gland, rabbit, section

DIGESTIVE SYSTEM

- SH.1220** Oesophagus dog, c.s.
- SH.1235** Large intestine, dog, c.s.
- SH.1260** Gall bladder, dog, section
- SH.1280** Golgi apparatus in epithelial cells of intestine, dog

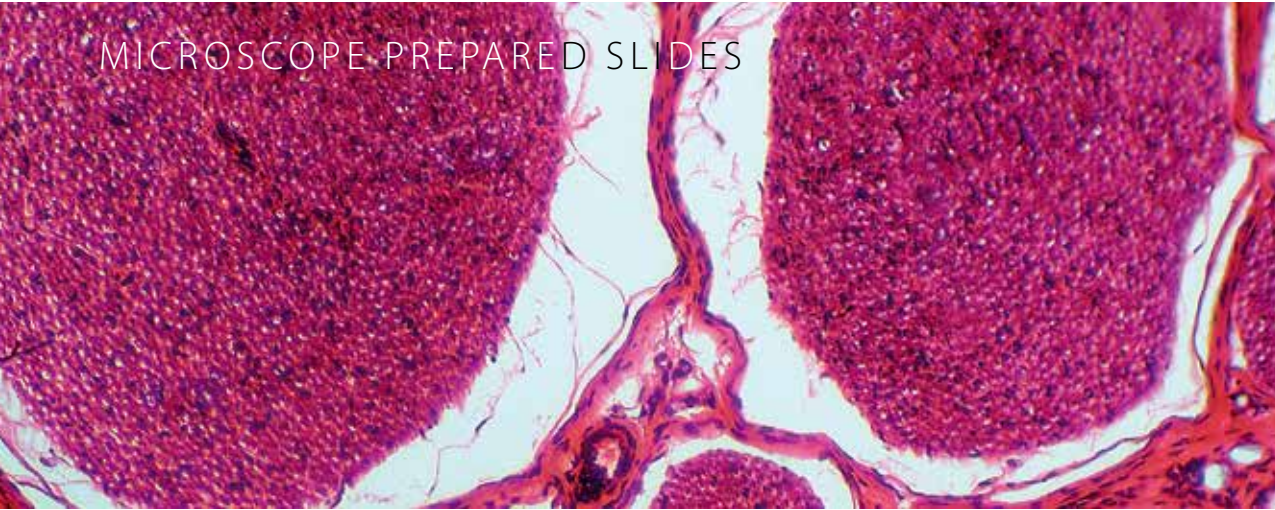
URINARY AND GENITAL SYSTEM

- SH.1315** Kidney rat, sec. cortex & medulla
- SH.1360** Sperm human, smear
- SH.1375** Human chromosomes in blood, male
- SZ.1724** Fruitfly, drosophila, giant chromosomes of salivary gland, w.m.

NERVOUS SYSTEM AN SENSORY ORGANS

- SH.1415** Motor nerve cells with end plates, rabbit, w.m.
- SH.1420** Cerebellum section, dog
- SH.1480** Eyeball section, rabbit, sagittal section

MICROSCOPE PREPARED SLIDES



10 Prepared slides of zoology and botany slides

PB. 5204 set for hobby

Set with 10 prepared microscopy slides for hobby: zoology and botany.

All microscope slides supplied in a plastic box with transparent cover for 25 slides. The set contains:

ZOOLOGY

- SH.1040** Smooth muscle, teased preparation, rabbit, l.s. and c.s.
- SH.1110** Lung with injected blood vessels, rabbit, c.s.
- SZ.1708** Apis mellifica, honey bee, mouth parts
- SZ.1733** Pieris brassicae, cabbage-white butterfly, part of wing
- SZ.1877** Rana sp, frog, blood smear
- SB.2015** Ranunculus, buttercup, root, c.s.

BOTANY

- SB.2160** Lilium, lily leaf, c.s.
- SB.2222** Capsella, shepherds' purse, ovary w. embryo in cotyledon stadium, l.s.
- SB.2374** Aspergillus, brown mold, w.m.
- SB.2384** Volvox sp., w.m.

USED ABBREVIATIONS	
c.s.	cross section
l.s.	longitudinal section
w.m.	whole mount



25 Prepared slides of zoology and botany slides

PB. 5218 set for hobby

Set with 25 prepared microscopy slides for hobby: zoology and botany.

All microscope slides supplied in a plastic box with transparent cover for 25 slides. The set contains:

HISTOLOGY OF HUMAN AND MAMMALS

- SH.1072** Skin section through hair follicle, human
- SH.1150** Blood smear human, Giemsa stained
- SH.1415** Motor nerve cells with end plates, rabbit w.m.
- SH.1470** Taste buds, rabbit, l.s.

BOTANY

- SB.2009** Allium cepa, onion, mitosis root tip, l.s.
- SB.2055** Zea mays, corn, stem, c.s.
- SB.2075** Tilia, lime tree, one year stem, c.s.
- SB.2100** Pelargonium hortorum, geranium, stem c.s.
- SB.2112** Cucurbita, pumpkin, stem, c.s.
- SB.2130** Helianthus, sunflower, leaf, c.s.
- SB.2135** Nerium oleander, leaf with sunken stomata, c.s.
- SB.2210** Lilium, lily, anther with mature pollen, c.s.
- SB.2225** Zea mays, corn, corn seed with embryo, l.s.

ZOOLOGY

- SZ.1520** Paramecium, w.m.
- SZ.1535** Euglena virides, a flagellate with eyespot
- SZ.1580** Hydra with bud, w.m.
- SZ.1630** Taenia, tapeworm pig, mature proglottid, w.m.
- SZ.1635** Ascaris megaloccephala, horse roundworm, female and male, c.s.
- SZ.1640** Lumbricus, earthworm, c.s.
- SZ.1655** Daphnia sp., water flea, w.m.
- SZ.1705** Apis mellifica, honey bee, posterior leg, w.m.
- SZ.1710** Apis mellifica, honey bee compound eye, c.s.
- SZ.1719** Musca domestica, house fly, wing w.m.
- SZ.1722** Culex pipiens, house mosquito, female, mouth parts
- SZ.1724** Fruitfly, drosophila, giant chromosomes of salivary gland, w.m.

MICROSCOPE PREPARED SLIDES



Individual EuroSlides Prepared slides

Euromex supplies complete sets and individual prepared microscope slides for educational use as well as for the hobby market

These high quality microscope slides are usually supplied directly from stock, at the very best prices. The following slides are available separately



HOW TO ORDER INDIVIDUAL EUROSLIDES

- Minimum purchase quantity is 10 pieces of the same slide
- The individual slides always have to be ordered together with a box.
Available is: plastic box PB.5181 (for 25 slides)

Individual EuroSlides for Histology

These histology microscope slides consist of sample of epithelium and connective tissues, the respiratory system, blood circulation, endocrine system, digestive system, urinary and genital systems, nervous system and sensory organs

EPITHELIUM AND CONNECTIVE TISSUES

- SH.1001** Loose connective tissue, rabbit
- SH.1005** Hyaline cartilage rabbit, section
- SH.1006** Elastic cartilage, rabbit
- SH.1011** Hard bone grinding, human, section
- SH.1012** Hard bone grinding of rabbit, tooth, decalcium
- SH.1040** Smooth muscle, teased preparation, rabbit, l.s. and c.s.
- SH.1045** Skeletal muscle, dog, l.s. and c.s.
- SH.1049** Muscle types, striated, smooth, heart muscle, dog, l.s.
- SH.1060** Tendon dog, l.s.
- SH.1072** Skin section through hair follicle, human
- SH.1078** Stratified flat epithelium, dog, section
- SH.1080** Ciliated epithelium, trachea, rabbit

RESPIRATORY, BLOOD CIRCULATION AND ENDOCRINE SYSTEM

- SH.1110** Lung with injected blood vessels, rabbit, c.s.
- SH.1120** Trachea rabbit, c.s.
- SH.1130** Artery and vein, rabbit, c.s.
- SH.1140** Pancreas, rabbit, section
- SH.1150** Blood smear human, Giemsa stained
- SH.1160** Lymph node, rabbit, section

DIGESTIVE SYSTEM

- SH.1220** Oesophagus dog, c.s.
- SH.1230** Small intestine, dog, c.s.
- SH.1250** Liver pig, section

URINARY AND GENITAL SYSTEM

- SH.1310** Injected kidney rabbit, section
- SH.1330** Testis rabbit, c.s.
- SH.1340** Ovary rabbit with developed eggs
- SH.1360** Sperm human, smear

NERVOUS SYSTEM AND SENSORY ORGANS

- SH.1410** Nerve rabbit, c.s. and l.s.
- SH.1415** Motor nerve cells with end plates, rabbit, w.m.
- SH.1420** Cerebellum section, dog
- SH.1450** Spinal cord, rabbit, c.s.
- SH.1470** Taste buds, rabbit, l.s.
- SH.1490** Retina rabbit, section

USED ABBREVIATIONS

c.s.	cross section
l.s.	longitudinal section
w.m.	whole mount

Individual EuroSlides for Zoology

This serie of zoology microscopy slides consists of samples with single-cell organisms (protozoa), coelenterate, worms (helminthes), Crustaceans (crustaceae), insects and amphibians

PROTOZOA

SZ.1510 Amoeba proteus, w.m.

SZ.1520 Paramecium, w.m.

SZ.1522 Paramecium in conjugation w.m.

SZ.1535 Euglena virides, a flagellate with eyespot

SZ.1540 Trachelomonas, a free swimming type euglena

COELENTERATA

SZ.1580 Hydra with bud, w.m.

HELMINTHES

SZ.1630 Taenia, tapeworm pig, mature proglottid, w.m.

SZ.1635 Ascaris megalcephala, horse roundworm, female + male c.s.

SZ.1636 Ascaris megalcephala, horse roundworm, mitosis eggs

SZ.1640 Lumbricus, earthworm, c.s.

CRUSTACEANS

SZ.1655 Daphnia sp., water flea, w.m.

INSECTS

SZ.1705 Apis mellifica, honey bee, posterior leg, w.m.

SZ.1708 Apis mellifica, honey bee, mouth parts

SZ.1710 Apis mellifica, honey bee compound eye, c.s.

SZ.1719 Musca domestica, house fly, wing, w.m.

SZ.1720 Culex pipiens, house mosquito, larva, w.m.

SZ.1722 Culex pipiens, house modquito, female, mouth parts

SZ.1724 Drosophila, fruit fly, giant chromosomes of salivary gland, w.m.

SZ.1730 Pieres brassicae, cabbage-white butterfly, mouth, w.m.

SZ.1733 Pieres brassicae, cabbage-white butterfly, part of wing

SZ.1738 Locusta, grasshopper, mouth parts, w.m.

SZ.1760 Ctenocephalus canis, dog flea, w.m.

SZ.1780 Insects- four types of legs, honey bee, house fly, house modquito, spider

AMPHIBIANS

SZ.1877 Rana sp, frog, blood smear

SZ.1880 Frog uncleaved egg, c.s.

SZ.1881 Frog egg, two cells stadium, c.s.

SZ.1883 Frog egg, advanced cleavage c.s.

SZ.1885 Frog egg, blastula phase, c.s.

SZ.1887 Frog egg, early gastrula phase, c.s.

SZ.1889 Frog egg, advanced gastrula phase, c.s.

Individual EuroSlides for Botany

This serie of botanic microscopy slides consists of samples of sections of roots, stems, leaves, flowers, fruits and seeds, ferns and mosses, fungi, algae and bacteria

ROOTS

SB.2006 Allium cepa, onion, scale epidermis, w.m.

SB.2009 Allium cepa, onion, mitosis root tip, l.s.

SB.2015 Ranunculus, buttercup, root, c.s.

SB.2020 Helianthus, sunflower, old root, c.s.

SB.2025 Monocot/dicot plant roots, zea mays/helantius, c.s.

SB.2040 Solanum tuberosum, potato, starch grains

STEMS

SB.2055 Zea mays, corn, stem, c.s.

SB.2060 Triticum aestivum, wheat, stem, c.s.

SB.2070 Helianthus, sunflower, young stem, c.s.

SB.2076 Tilia, lime tree, 1, 2 and 3 year stems on one slide, c.s.

SB.2095 Monocot/dicot stem, corn/pumpkin, c.s.

SB.2100 Pelargonium hortorum, geranium, stem, c.s.

SB.2105 Hibiscus, young stem, c.s.

SB.2115 Sambucus, elderberry or Morus Alba, mulberry, stem with crok cambium and lenticels, c.s.

LEAVES

SB.2130 Helianthus, sunflower, leaf, c.s.

SB.2135 Nerium oleander, leaf with sunken stomata, c.s.

SB.2140 Triticum, wheat, leaf, c.s.

SB.2150 Monocot/dicot leaves, zea mays/ligustrum lucidum, c.s.

SB.2160 Lilium, lily leaf, c.s.

FLOWERS, FRUITS AND SEEDS

SB.2205 Monocot/dicot flower, zea mays/ranunculus, c.s.

SB.2210 Lilium, lily, anther with mature pollen, c.s.

SB.2212 Lilium, lily, overy, c.s.

SB.2214 Lilium, lily, pollen, different stages of meiosis

SB.2220 Capsella, shepherds' purse, ovary w. embryo in pre-cotyledon stadium, l.s.

SB.2222 Capsella, sheperd's purse, ovary w. embryo in cotyledon statium, l.s.

SB.2225 Zea mays, corn seed with embryo, l.s.

SB.2232 Pinus, pine tree, female (cone) globose fruit, l.s.

SB.2240 Triticum aestivum, wheat, kernel, l.s.

FERNS AND MOSSES

SB.2315 Cyrtomium, holly fern, prothallium with young sporophyt, w.m.

SB.2337 Mnium, antheridial branch, l.s.

SB.2339 Mnium, archegonial branch, l.s.

FUNGI

SB.2360 Saccaromyces sp., yeast, budding, w.m.

SB.2365 Penicillium sp., w.m.

SB.2373 Coprinus, ink caps mushroom, section of pileus

SB.2374 Aspergillus, brown mold, w.m.

ALGAE

SB.2377 Diatoms, w.m.

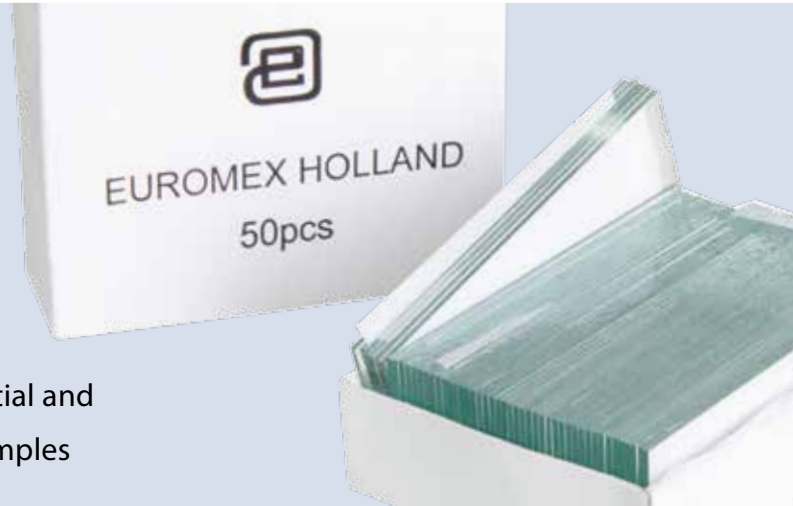
SB.2380 Spirogyra sp. in conjugation

SB.2384 Volvox sp., w.m.

BACTERIA

SB.2420 3 types of bacteria, cocci, bacilli, spirelli

DISPOSABLES



Microscope slides are essential and are the platform for your samples

MICROSCOPE SLIDES AND COVER GLASSES

- PB.5150** Microscope slides 76 x 26 mm, half white glass, cut edges. 50 pieces per pack
- PB.5155** Microscope slides 76 x 26 mm white glass, grinded edges. 50 pieces per pack
- PB.5160** Microscope slides 76 x 26 mm with concavity, grinded edges. 10 pieces per pack
- PB.5165** Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm. 100 pieces per packs
- PB.5168** Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm. 100 pieces per pack
- PB.5170** Cover glasses Ø18 mm, thickness 0.13-0.17 mm. 100 pieces per pack

MICROSCOPE SLIDE BOXES

- PB.5180** Wooden slide box for 25 slides. White interior with index
- PB.5185** Wooden slide box for 100 slides. White interior with index
- PB.5181** Black plastic slide box for 25 slides



PB.5150



PB.5180



PB.5168 / PB.5170

STAINS

Staining samples/cells enables better visualization under the microscope.
Euromex offers a range of common stains



MISCELLANEOUS ACCESSORIES

- PB.5200** Staining trough for 10 slides
- PB.5210** Fine pointed brush
- PB.5245** Lens paper. 100 sheets per pack
- PB.5250** Solid paraffin. Melting point 60°C, 200 gram packed
- PB.5255** Immersion oil, refractive index nD = 1.482. In bottle (25 ml)
- PB.5256** Entellan, quick drying Canada balsam. In bottle (25 ml)
- PB.5270** Xylol (bottle), lens cleaner, intermediate agent for section slide preparation. In bottle (100 ml)
- PB.5274** Isopropyl alcohol 99%. In bottle (200 ml)
- PB.5277** Formalin 40%, fixing agent. In bottle (200 ml)
- PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs



PB.5275

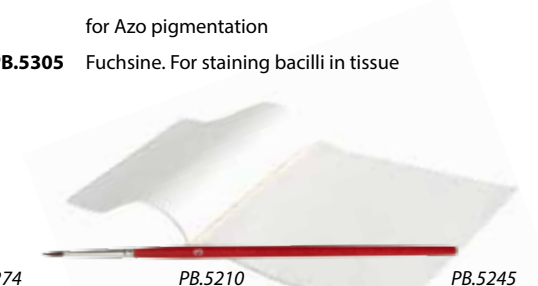


PB.5280 / PB.5274

(DISSOLVED) STAINS

Supplied in 25 ml bottles

- PB.5280** Azo carmine-G. Biological stains for animal tissues. Also suitable for bacteria pigmentation
- PB.5283** Eosin yellow. Stain for general overall-view colouring
- PB.5286** Haematoxylin according to Ehrlich. General purpose nuclear stain
- PB.5289** Astra Blue. Stain for vegetal cells. To be used in combination with safranin
- PB.5292** Orange-G, stain for most elementary structures of animal tissues
- PB.5295** Safranin. A general stain for showing nuclei and cellulose walls. To be used in combination with Astra Blue
- PB.5297** Methylene Blue. Biological and bacteriological stain
- PB.5300** Analin Blue, to be used as third colour for Azo pigmentation
- PB.5305** Fuchsin. For staining bacilli in tissue



PB.5210

PB.5245

OtherOptical instruments



Euromex offers a large range of optical products for a wide variety of applications in different fields

Our high-quality magnifiers, refractometers and other optical instruments all ensure an excellent optical quality and unmatched durability

- **MAGNIFIERS & MEASURING MICROSCOPES** PAGE 304
- **REFRACTOMETERS** PAGE 308
- **POLARIMETERS** PAGE 316
- **SPECTROSCOPES** PAGE 318
- **PATHOLOGY SCANNER** PAGE 320

MAGNIFIERS & MEASURING MICROSCOPES

Magnifiers are widely used by biologists, jewelers, watchmakers and philatelists to accurately observe all details of the object



HANDHELD MAGNIFIERS AND MAGNIFIERS WITH HANDLES

- PB.5020** Magnifier with handle 4x, lens Ø 50 mm and handle Ø 8 mm. Fits PB.5022
- PB.5021** Magnifier with handle 10x, aplanatic lens Ø 25 mm and handle Ø 8 mm. Fits PB.5022

- PB.5022** Heavy stand with adjustable cross clamp, Base Ø 70 mm. Weight 450 grams. For PB.5022 and PB.5021
- PB.5026** Handheld magnifier 10x with illuminator, aplanatic lens Ø 28 mm. Field of view 30 mm. Supplied without batteries



PB.5020



PB.5026

PB.5022



PB.5021

FOLDING MAGNIFIERS

- PB.5016** Aplanatic magnifier 6x, doublet. Lens Ø 20 mm. Field of view 25 mm
- PB.5018** Aplanatic magnifier 15x, doublet. Lens Ø 18 mm. Field of view 14 mm
- PB.5032** Achromatic magnifier 10x, triplet. Lens Ø 21 mm. Field of view 15 mm
- PB.5033** Achromatic magnifier 20x, triplet. Lens Ø 21 mm. Field of view 8 mm
- PB.5034** Achromatic magnifier 10x, triplet. Lens Ø 18 mm. Field of view 15 mm
- PB.5036** Aplanatic magnifier 10x, doublet. Lens Ø 20 mm. Field of view 20 mm
- PB.5037** Achromatic diamond magnifier 10x with 4 lenses Ø 21 mm. Field of view 25 mm



PB.5032



PB.5016



FOLDING MAGNIFIERS WHITE LED ILLUMINATION

- PB.5034-LED** Achromatic magnifier 10x triplet. Lens Ø 21 mm. White LED illumination
- PB.5018-LED** Achromatic magnifier 15x triplet. Lens Ø 21mm. White LED illumination
- PB.5033-LED** Achromatic magnifier 20x, triplet. Lens Ø 21 mm. White LED illumination
- PB.5035-LED** Achromatic magnifier 30x triplet. Lens Ø 21 mm. White LED illumination



PB.5034-LED

FOLDING MAGNIFIERS WHITE LED AND UV ILLUMINATION

- PB.5034-LUV** Achromatic magnifier 10x triplet. Lens Ø 21 mm. White LED and UV illumination
- PB.5018-LUV** Achromatic magnifier 15x triplet. Lens Ø 21mm. White LED and UV illumination
- PB.5033-LUV** Achromatic magnifier 20x, triplet. Lens Ø 21 mm. White LED and UV illumination
- PB.5035-LUV** Achromatic magnifier 30x triplet. Lens Ø 21 mm. White LED and UV illumination



PB.5034-LUV

MAGNIFIERS & MEASURING MICROSCOPES

Measuring microscopes are built with a microscope objective for magnification from 20 to 100x times



TABLE MAGNIFIERS

- PB.5039** Table magnifier, 15x magnification.
Glass achromatic lens Ø 19 mm, field of view 15 mm
- PB.5041** Table magnifier, 10x magnification.
Glass lens Ø 26 mm, field of view 25 mm
- PB.5043** Table magnifier, 4x magnification.
Plastic lens Ø 57 mm, field of view 55 mm
- PB.5040** Table magnifier, 8x magnification.
Plastic lens Ø 23 mm, field of view 30 mm.
10mm/100 reticle



PB.5039 / PB.xxxx

PB.5043 / PB.5040

MISCELLANEOUS MAGNIFIERS

- PB.5030** Dual sliding magnifier with 3x and 6x magnification.
Lens aperture 23 x 23 mm.
Fields of view 50 x 50 mm and 25 x 25 mm.
Plastic housing
- PB.5049** Linen tester folding magnifier with 6x lens.
A 25 x 25 mm base with millimeter scale.
Metal casing lacquered in black.
Supplied with plastic case



PB.5030

PB.5049

MEASURING MAGNIFIERS WITH RETICLE

- PB.5044** Measuring magnifier 7x.
Eyepiece Ø 18 mm. Field of view 24 mm.
Measuring scale 10-0-10 mm divided into 0.1 mm and cross hair
- PB.5045** Measuring magnifier 7x.
Eyepiece Ø 18 mm. Field of view 24 mm.
Measuring scale 10-0-10 mm divided into 0.1 mm and cross hair. With 5 interchangeable scales for angle, thickness and linear measurements
- PB.5046** Measuring magnifier 10x.
Eyepiece Ø 20 mm. Field of view 35 mm.
Measuring scale 15-0-15 mm with 0.1, 0.2 and 0.5 mm graduations
- PB.5048** Measuring magnifier 4x.
Eyepiece Ø 30 mm. Field of view 65 mm.
Measuring scale 25-0-25 mm with 0.1 mm graduations
- PB.5047** Measuring magnifier 10x.
Eyepiece Ø 25 mm. Field of view 32 mm.
Measuring scale 13-0-13 mm



PB.5044 / PB.5048

PB.5046 / PB.5047

MEASURING MICROSCOPES

- PB.5044** Measuring magnifier 7x.
Eyepiece Ø w18 mm. Field of view 24 mm.
Measuring scale 10-0-10 mm divided into 0.1 mm and cross hair
- PB.5008** Measuring microscope 20x with LED illumination. Field of view 7.2 mm
- PB.5010** Measuring microscope 40x with LED illumination. Field of view 3.8 mm
- PB.5012** Measuring microscope 60x with LED illumination. Field of view 1.45 mm
- PB.5014** Measuring microscope 100x with LED illumination. Field of view 0.7 mm



PB.5008

PB.5045

RefractoMeters



Refractometers are used for the identification of substances and concentration measurement of fluids. Because the refractive index (R.I.) of a solution is proportional to the concentration it is easy to identify the substance or to measure the purity and concentrations of solutions

The Euromex refractometers are calibrated at 20° Celsius. Most refractometers are equipped with Automatic Temperature Compensation (ATC)

REFRACTOMETERS



RF.5562

Handheld refractometers Sugar concentration

A few drops on the measurement prism of the refractometer are sufficient to read the refraction index of a liquid under test. The reflected light beam projects a shadow line onto a small glass reticle inside the instrument. The line and scale can be read through a magnifying eyepiece. The reading of most refractometers are corrected with an automatic temperature compensation (ATC)

The food industry intensively uses refractometers to determine the exact Brix concentration in marmalades, fruit, fruit juices, honey, treacle, wine and other food products. In the chemistry and oil industry refractometers are used to measure water / oil emulsions

Only a few drops of the liquid are necessary to read the refractive index straight from the built-in scale. All refractometers are equipped with an ATC (except RF.5190) and are supplied with specific scales

MODELS

Concentrations of sugar in marmalades, fruits, honey, syrups, wine and monitoring of oil emulsions

Model	Scales	Accuracy	ATC	Analog	Model	Scales	Accuracy	ATC	Analog
RF.5190	0-90 Brix	0.2 Brix	•	•	RF.5562	28-62 Brix	0.2 Brix	•	•
RF.5510	0-10 Brix	0.1 Brix	•	•	RF.5580	0-80 Brix	0.5 Brix	•	•
RF.5520	0-20 Brix	0.1 Brix	•	•	RF.5582	40-82 Brix	0.5 Brix	•	•
RF.5532	0-32 Brix	0.2 Brix	•	•	RF.5592	58-92 Brix	0.5 Brix	•	•

HIGHLIGHTS

- Portable
- Accurate
- Fast
- Automatic Temperature Correction (ATC)



RD.6535

Digital handheld refractometer Sugar concentration in juices

A focused light beam of a LED source is reflected by the substance on a linear array of photo diodes. The refractometer correlate the position of the light beam on the array of photo diodes to refractive index or to another unit of measure related to the substance under observation. The value can be read from a digital LCD readout. The digital refractometers are equipped with an automatic temperature compensation (ATC)

Especially designed to measure sugar concentrations in fresh fruit juices. Latest technology for measuring refractive indices. The sample is illuminated by LED light source while an optical sensor measures the percentage of reflection from the sample. With the refractive index the device calculates the concentration

Units in Brix, °Oe (Oechsle) and °KMW. With ATC

MODELS

Concentrations of grapes and fruit

Model	Scales	Accuracy	Remarks	ATC	Digital
RF.5635	0-140 °Oe	1 °Oe	Oechsle units	•	•
	0-32 Brix	0.2 Brix	Sugar concentration	•	•
	0-25 °KMW	0.2 °KMW	Babo units	•	•

MODELS

Concentrations of sugar, nD indices (only for sugar)

Model	Scales	Accuracy	ATC	Digital
RD.5635	0-35 Brix	0.1 Brix	•	•
RD.5645	0-45 Brix	0.1 Brix	•	•
RD.5645	1.33-1.40 R.I.	0.0001 R.I.	•	•
RD.5665	28-65 Brix	0.1 Brix	•	•

REFRACTOMETERS



98.490

Abbe laboratory refractometer Substance identification

The Abbe laboratory refractometer is a bench-top instrument for high-precision measurements of an index of refraction. The Abbe refractometer is also suitable for determination of the refractive index of solid samples, such as glass, plastics, and polymer films. The instrument is equipped with a built-in thermometer and water connection to control fluid temperatures. Also equipped with a Brix and a refraction index scale and is supplied with a test plate

Abbe refractometers are more accurate with an extended scale to measure concentrations of sugar and refractive indices. Capable of measuring all kinds of concentrations and identifying several types of substances

The Abbe refractometer can be connected to a water bath for measuring at a controlled temperature. During the use of this type of refractometer the use of a cold light source like the LE.5209 is recommended.

This Abbe table refractometer has scales for measurement of sugar concentrations and refractive indices. Delivered with carrying case, thermometer 0-50° Celsius, calibration plate and adjusting tool

MODEL

Substance identification of sugar concentration

Model	Scales	Accuracy	Remarks	Analog
98.490	0-95 Brix 1.300-1.700 RI	0.5 Brix 0.0002 RI	Abbe table refractometer without light source	•

HIGHLIGHTS

- Portable
- Accurate
- Fast
- Automatic Temperature Correction (ATC)

Gemmological refractometer Gemstones

Gemmological refractometers are the key instruments for research in gemological laboratories. Gemstones can be examined using the optical principles on which these refractometers are based



RF.5381

Refractive index, one of the principal properties used in determining the type of a gemstone, is a material constant, dependent on the chemical composition of a substance. This allows users to identify gem materials by measuring their refractive index

Determination of the refractive index is done at the wavelength of the sodium line D-line (NaD) of ~589 nm. This is filtered out from daylight with a dedicated optical filter

MODEL

Identification of precious stones

Model	Scales	Accuracy	Remarks	Bench-top instrument	Analog
RF.5381	1.30-1.81 I.R.	0.01 I.R.	With filter 590 nm	•	•

REFRACTOMETERS

The Euromex refractometers are ideal for determining concentrations, testing and measuring of fluids



Alcohol and alcohol-sugar solutions Handheld refractometer

The measure concentrations of alcohol, sugar and alcohol-sugar % solutions. Using refractometers permits the growers to choose the moment of the vintage by monitoring the "must". With ATC



MODEL

Sugar concentration, % alcohol and alcohol/sugar solutions

Model	Scales	Accuracy	ATC	Analog
RF.5625	0-25% 0-40 Brix	0.2 % 0.2 Brix	•	•

Sugar and salt Handheld refractometer

For concentrations of salt, water-soluble salt solutions of sugar. The handheld refractometers are equipped with a Brix scale. With ATC



MODEL

Substance identification of sugar concentration

Model	Scales	Accuracy	ATC	Analog
RF.5610	0-100° 0-10 Brix	1° 0.1 Brix	•	•

Substance identification of sugar concentration

Model	Scales	Accury	ATC	Digital
RD.5728	0-28 % 0-35 Brix 1.30-1.39 RI	0.1% 0.1 Brix 0.0001RI	•	•

Battery acid and Coolant Handheld refractometer

Testing water-soluble coolants and battery acid solutions. The refractometer features a coolant temperature scale for ethylene glycol and propylene glycol. It also has a specific acid. With ATC



MODEL

For testing water-soluble coolants and battery acid solutions.

Model	Scales	Accuracy	Remarks	ATC	Analog
RF.5650	1.15-1.30 RI 0/-50 °C 0/-50 °C	0.01RI 5 °C 5 °C	Battery acid Ethylene glycol Propylene glycol	•	•

Clinical applications Handheld refractometer

Clinical refractometers are commonly used to measure Serum Protein, Specific Gravity of Urine and Refractive Index. With ATC



MODELS

For measuring clinical applications as Serum Protein, Specific Gravity of Urine and Refractive Index

Model	Scales	Accuracy	Remarks	ATC	Analog	Model	Scales	Accuracy	Remarks	ATC	Digital
RF.5612	0-12 g/dl	0.2 g/dl	Proteins in Serum	•	•	RD.5712	0-12 g/dl	0.2 g/dl	Proteins in Serum	•	•
	1-1.05 sg	0.002 sg	Urine specific gravity	•	•		1-1.05 sg	0.001 sg	Urine specific gravity	•	•
	1.333-1.360 RI	0.0005 RI		•	•		1.33-1.39 RL	0.0001 RL		•	•

ACCESSORIES AND SPARE PARTS

- RF.5295** Test slide 78.8 Brix for calibration of RF.5190
- RF.5384** 5 ml immersion nD 1.79 liquid for RF.5381
- LE.5209** 20 W 12 V cold light source with single fiber light conductor

- SL.5208** Spare 20 W 12 V halogen bulb
- 98.492** Thermometer 0-50° C (for Abbe refractometer 98.490)
- 98.496** Calibration slide nD 1.5163 (for Abbe refractometer 98.490)

Polarimeters & Spectroscopes



A polarimeter measures the angle of rotation caused by passing polarized light through an optically active substance. The rotation angle of the polarization plane of linear polarized light, is different for each optical active substance as described in the Law of Biot

Polarimetry is a non-destructive test method for measuring optical activity of organic and inorganic substances. It is very useful to analyze expensive non-reproducible samples. Polarimeters are extensively used for quality and process control in research laboratories in the chemical and food industry

Spectroscopes are used to visualise the light spectrum of the light source of transparent substances



POLARIMETERS

99.400

Polarimeter

Polarimeters are suitable for fast and accurate measurements of sugars, glucose, perfume, chemical substances and medical drugs. Equipped with a built-in 230 V 589.3 nm sodium lamp with ballast for 230 volt operation with cable and plug

Polar scale, range $\pm 180^\circ$ with 0.1° readings. Supplied with observation tubes of 100 mm and 200 mm. Bright light measuring field permits reading with accuracy of 0.1° with aid of Vernier

Range $0-180^\circ$ to left and right . Accuracy 0.1° . Polarizing device: Glam Thomson prism and Laurent Quartz plate

HIGHLIGHTS

- The polarimeters are delivered with 100 and 200 mm observation tubes
- Equipped with a built-in 230 V 589.3 nm sodium lamp
- Fast and accurate
- Short warm-up time

ACCESSORIES FOR 99.400

- 99.410** Measuring tube, 100 mm long
- 99.415** Measuring tube, 200 mm long
- 99.430** Cover glass for measuring tube $\varnothing 15$ mm
- 99.431** Rubber ring (for 99.430)
- 99.197** Spare sodium 589.3 nm lamp

MODEL

Model	Scales	Accuracy	Observation tubes 100 and 200 mm	230 V sodium lamp (with 589.3 nm filter)
99.400	$\pm 180^\circ$	$\pm 0.1^\circ$ polar scale	•	•

SPECTROSCOPES

Euromex handheld spectroscopes are used for optical experiments in natural sciences, industry and education



Handheld spectroscope SP.5100

Handheld spectroscope with fixed slit

- Direct vision type
- Adjustable eyelens
- Fixed slit
- Angle dispersion C - F 6°
- Linear dispersion 40 mm



SP.5100

MODEL

Model	Dimensions	Weight (gram)	Adjustable slit	Comparison prism	Angle dispersion	Linear dispersion	Wavelength scale	589 nm indication	With 5 glass cuvettes
SP.5100	90 x 18 mm Ø	72			C-F 6°	40 mm			

Handheld spectroscope SP.5150

Handheld spectroscope with adjustable slit from 0 tot 1 mm

- Direct vision type
- Adjustable eyelens
- Adjustable slit 0 - 1 mm
- Angle dispersion C - F 7°
- Linear dispersion 60 mm



SP.5150

MODEL

Model	Dimensions	Weight (gram)	Adjustable slit	Comparison prism	Angle dispersion	Linear dispersion	Wavelength scale	589 nm indication	With 5 glass cuvettes
SP.5150	90 x 18 mm Ø	92	0-1 mm		C-F 7°	60 mm			

Euromex handheld spectroscope SP.5155

Handheld spectroscope with adjustable slit and comparison prism, mirror and 5 glass cuvettes

- Direct vision type
- Adjustable eyelens
- Adjustable slit 0 - 1 mm
- Angle dispersion C - F 7°
- Linear dispersion 60 mm
- Comparison prism for comparison between products
- Mirror
- 5 Glass cuvettes



SP.5155

MODEL

Model	Dimensions	Weight (gram)	Adjustable slit	Comparison prism	Angle dispersion	Linear dispersion	Wavelength scale	589 nm indication	With 5 glass cuvettes
SP.5155	h45x l105xp23	125	0-1 mm	•	C-F 7°	60 mm			•

Euromex handheld spectroscope SP.5200

Handheld spectroscope with adjustable slit, comparison prism, mirror, 5 glass mini-cuvettes and wavelength scale 400 - 700 nm with 589 nm indication. Divisions 10 nm

- Direct vision type
- Adjustable eyelens
- Adjustable slit 0 - 1 mm
- Angle dispersion C - F 7°
- Linear dispersion 60 mm
- Comparison prism for comparison between products
- Mirror
- 5 Glass cuvettes
- Wavelength scale 400 - 700 nm

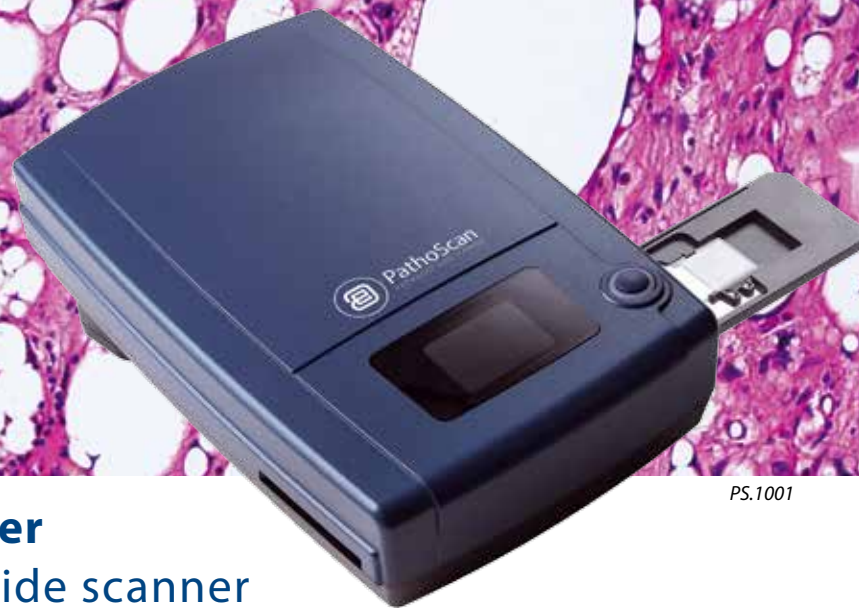


SP.5200

MODEL

Model	Dimensions	Weight (gram)	Adjustable slit	Comparison prism	Angle dispersion	Linear dispersion	Wavelength scale	589 nm indication	With 5 glass cuvettes
SP.5200	h50x l115xp23	250	0-1 mm	•	C-F 7°	60 mm	•	•	•

PATHOLOGY SCANNER



PS.1001

PathoScanner 10,000 DPI slide scanner

In pathology, histology and other medical fields, medical professionals look at tissue slides under a microscope. Often the tissue are stained to highlight certain structures enabling the specialists to perform their analysis. Euromex now introduces a digital solution for these specialists

The PathoScan digital microscope slide scanner produces quick, reliable and high-resolution digital images of cells. Once the slides are digitized there are numerous advantages against classic microscopy

The users now have the ability to upload the scanned images onto a network for sharing and collaboration among colleagues, resolving in better and faster diagnostics. The scanned slides can also be used for education purposes. Digitized slides also can be analyzed using the specialists own dedicated software. The software can be used to automate the manual counting of structures, or for classifying the condition of tissue such as is used in grading tumors

PATHOVIEW SCANNING SOFTWARE

- Easy Preview and Scan Slide
- Quick setting exposure time
- Scan resolution from 1,000~10,000 dpi
- File format: TIF and JPEG
- Images can also be used with ImageFocus Alpha basic microscopy analysis software, see chapter 9.

PS.1001	
Dimensions	Weight
(h) 70 x (w) 150 x (d) 260 mm	1.0 kg

HIGHLIGHTS

- Supports standard microscopy slide 76 x 26 mm
- From basic histology research to life science education
- Scans full slide
- Simple user interface
- Superior quality, 3-line CCD sensor
- 48-bit, 10,000 dpi, 5 µm resolution
- Industry-leading scanning speeds
- Holder for 2 slides included
- Polarization attachment available



PS.1001 / PS.3001

SPECIFICATION

Resolution	10,000 x 10,000 dpi
Signal Expression	Color
Dynamic Range	3.8
Scanning Area	24.3 x 36.5 mm (H x W)
Scanning medium	76 x 26 mm slides
File Format	Saving in JPG, TIFF format
Light Source	Transmission white LED
Operating System	Windows XP/Vista/7/8/10 Intel-based Mac OS X 10.5/10.6 /10.7/10.8
Power supply	100- 240 AC Adapter, 12V 1.5 A
Supplied with	Double slide holder, 100-240 V power supply, USB-2 cable, PathoView scanning software and user manual
Model	PS.1001

MODEL

PS.1001	PathoScanner 10,000 DPI slide scanner
PS.3001	Double slide holder
PS.3002	Polarization slide holder, for one slide

Choose the right EuromexMicroscope

Euromex offers a large range of microscope series and selecting the right microscope for your application might be challenging and time consuming.

To simplify this process we have listed our recommended models for most common applications in education, laboratories and industry

EDUCATION	FIELD OF APPLICATION	RECOMMENDED MODELS
• Botany	Study of plants as branch of biology. Plant anatomy and morphology. Plant genetics and ecology. Plant biochemistry	MicroBlue, EcoBlue, BioBlue, BioBlue.Lab, AP series, EduBlue, StereoBlue
• Digital imaging	Observation and perform analysis on microscope images, storage and share captured and videos	CMEX cameras, CCD cameras, HD cameras, EduPad
• Electronics	Development, production, assembling and inspection of electronic components or circuitry	B+ series (material), EduBlue, StereoBlue, NexiusZoom
• Entomology	Study of insects as branch of zoology. Identification and classification of beetles, flies, termites, moths and butterflies, bees, ants, wasps	MicroBlue, EcoBlue, BioBlue, BioBlue.Lab, AP series, EduBlue, StereoBlue
• Geology, mineralogy	Earth Science; Study of solids, rocks and processes. Identification and classification of rocks and minerals	EcoBlue (polarization), BioBlue (polarization), AP series, EduBlue, StereoBlue
• Geology, petrology	Identification by means of petrographic microscope	EcoBlue (polarization), BioBlue (polarization), AP series, EduBlue, StereoBlue
• Mechanics	Manufacturing and quality inspection of mechanical parts	B+ series (material), EduBlue, StereoBlue, NexiusZoom
• Microbiology	Study of microscopic uni-, multi- or acellular small organisms such as protozoa, algae, bacteria and more. Identification and classification	EcoBlue, BioBlue, B and B+ series
• Mycology	Study of fungi as branch of biology. Identification and classification	EcoBlue, BioBlue, BioBlue.Lab, B and B+ series, AP series, EduBlue, StereoBlue
• Petrology	Study of the composition and structure of rocks as branch of geology. Identification by means of polarization microscopes	EcoBlue (polarization), BioBlue (polarization), AP series, EduBlue, StereoBlue
• Zoology	Animal biology. Study of invertebrated and vertebrated animals and related branches	EcoBlue, BioBlue, BioBlue.Lab, B and B+ series, AP series, EduBlue, StereoBlue
UNIVERSITY LABS	FIELD OF APPLICATION	RECOMMENDED MODELS
• Agronomy & forestry	Selective breeding of plants, fruit and production of food from plants, wood from trees, fuel. Plant physiology and genetics research	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Anatomopathology	Diagnosis of diseases of organs or tissues. Cytopathology and forensic pathology	BioBlue.Lab, B and B+ series, iScope, Oxion, NexiusZoom, DZ series
• Asbestos control	Research of asbestos fibers, environmental protection during restauration of older buildings	iScope (asbestos and polarization), NexiusZoom, DZ series, Z series
• Bacteriology	Study of bacteria as subdivision of microbiology. Identification, classification	BioBlue.Lab, B and B+ series, iScope, Oxion

UNIVERSITY LABS FIELD OF APPLICATION
RECOMMENDED MODELS

• Biochemistry	Study of chemical processes within living organism. Identification and classification of enzymes and structure of biomolecules	BioBlue.Lab, B and B+ series, iScope, Oxion
• Biomedical	Study of medical microbiology, virology, epidemiology, biomedical engineering	BioBlue.Lab, iScope, Oxion
• Biotechnology	Study of living organism in order to make food products, for plant protection (genetically modified organism) and other bioprocess engineering. Development of pharmaceutical drugs, genetic testing, enzymes production, biofuels, textile	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Botany	Study of plants as branch of biology. Plant anatomy and morphology. Plant genetics and ecology. Plant biochemistry	BioBlue.Lab, B and B+ series, StereoBlue, NexiusZoom, DZ series
• Cell Culture	Controlled grown of cells and tissues, fungal culture and microbiological culture	Oxion Inverso, NexiusZoom, DZ series
• Chemistry	Study of the composition and properties of chemicals	iScope (material and polarization), Oxion (material), B+ series (material), NexiusZoom, DZ series
• Cosmetics	Research, development and testing (safety) of substances for make-up or perfume	iScope (material), Oxion (material), B+ series (material), NexiusZoom, DZ series
• Cytology	Study of cell structure, function and chemistry. Detection of cellular diseases	BioBlue.Lab, iScope, Oxion
• Dermatology	Study and diagnosis, treatment of skin, nails and hair diseases	iScope, Oxion, NexiusZoom, StereoBlue, DZ series
• Digital imaging	Observation and perform analysis on microscope images, save and share captured images and videos	CMEX cameras, CCD cameras, HD cameras, Cooled cameras, ProPad
• Electronics	Development, production, assembling and inspection of electronic components or circuitry	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series, Z series
• Embryology	Study of gametes, embryos and fetuses	BioBlue.Lab, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Entomology	Study of insects as branch of zoology. Identification and classification of beetles, flies, termites, moths and butterflies, bees, ants, wasps	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Environmental	Monitoring of environmental conditions like water, atmosphere, ecosystems, soil and pollution control	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Fluorescence	Study of living and non living material with the help of fluorescence markers (fluorochromes)	iScope (fluorescence), Oxion (fluorescence), Oxion Inverso (fluorescence), B+ series (fluorescence), DZ series
• Food and beverages	Quality and safety controls, before, during and after the production of food and beverages	BioBlue.Lab, B and B+ series, iScope, Oxion
• Forensics	Analysis of scientific evidence. Toxicology, fingerprints, Forensic anthropology and archeology, forensic botany and entomology	BioBlue.Lab, iScope, iScope (material and polarization), Oxion, Oxion (material), Oxion Inverted, Oxion Inverted (material), NexiusZoom, DZ series, Z series
• Genetics	Study of genes, heredity in living organism including bacteria, plants, animals and humans	iScope, Oxion, DZ series

UNIVERSITY LABS FIELD OF APPLICATION

RECOMMENDED MODELS

• Geology, mineralogy	Earth Science; Study of solids, rocks and processes. Identification and classification of rocks and minerals	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Geology, petrology	Identification by means of petrographic microscope	iScope (polarization), StereoBlue, NexiusZoom, DZ series
• Glass industry	Quality control, before, during and after the production of glass and coatings	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Hematology	Study and diagnosis, treatment and prevention of diseases of the blood	iScope, B and B+ series (dark field), iScope (dark field), Oxion, Oxion (dark field)
• Histopathology	Microscopic examination of tissue , diagnosis of diseases	iScope, Oxion
• Horticulture	Selective breeding of plants and fruit for production of food	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• In vitro fertilization	In vitro fertilization IFV. Quality control of collected egg and sperm	StereoBlue, NexiusZoom, DZ series, Z series
• Histopathology	Microscopic examination of tissue , diagnosis of diseases	iScope, Oxion
• Marine Biology	Study of organisms living in the ocean or sea's as branch of biology	B and B+ series, BioBlue.Lab, iScope, Oxion
• Mechanics	Manufacturing and quality inspection of mechanical parts	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Metallurgy	Manufacturing and quality inspection of metallic elements, intermetallic compounds and alloys	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Microbiology	Study of microscopic uni-, multi- or acellular small organisms such as protozoa, algae, bacteria and more. Identification and classification	iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Mining	Extraction of minerals for identification, quantitative and qualitative evaluation of minerals	iScope (material and polarization), Oxion (material and polarization), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Mycology	Study of fungi as branch of biology. Identification and classification	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Neuropathology	Study and diagnosis of diseases in nervous system tissue	iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Oncology	Study and diagnosis, treatment and prevention of cancers	iScope, Oxion
• Ornithology	Study of birds as branch of zoology. Diagnosis of diseases in birds like competition pigeons	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Paleontology	Study of fossils in order to determinate organisms evolution	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Paper industry	Production of paper related products. Quality inspection	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series

UNIVERSITY LABS FIELD OF APPLICATION

UNIVERSITY LABS	FIELD OF APPLICATION	RECOMMENDED MODELS
• Parasitology	Study of parasites, medical and veterinary	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Pathology	Study and diagnosis of diseases	iScope, Oxion
• Petrochemical	Research and transformation of crude oil and natural gas	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Petrology	Study of the composition and structure of rocks as branch of geology. Identification by means of polarization microscopes	iScope (polarization), StereoBlue, NexiusZoom, DZ series
• Pharmaceuticals	Development and production of drugs for medication. Quality assurance and inspection of produced products	iScope (polarization), StereoBlue, NexiusZoom, DZ series
• Phytopathology	Study and diagnosis of plant diseases	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Plastics	Development and production of plastics and plastic based compounds. Quality assurance and inspection	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Textile	Development and production of all kind of textile based products. Quality assurance and inspection	iScope (material), Oxion (material), B+ series (material), AP series, StereoBlue, NexiusZoom, DZ series
• Veterinary medicine	Prevention, diagnosis and treatment of diseases, injuries in animals	BioBlue.Lab, B and B+ series, iScope, Oxion, Oxion Inverso, StereoBlue, NexiusZoom, DZ series
• Virology	Study and diagnosis of viruses and virus-like agents	BioBlue.Lab, B and B+ series, iScope, Oxion
• Water treatment	Production of drinking water and wastewater treatment. Quality control and disease prevention	BioBlue.Lab, B and B+ series, iScope, Oxion
• Wood production	Wood production for construction material, fuel. Quality control	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), AP series, StereoBlue, NexiusZoom, DZ series
• Embryo collection	Embryo collection and transfer in mares, pigs, cows. Quality control	NexiusZoom, DZ series, Z series
• Zoology	Animal biology. Study of invertebrated and vertebrated animals and related branches	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series

LIFE SCIENCE LABORATORIES FIELD OF APPLICATION

LIFE SCIENCE LABORATORIES	FIELD OF APPLICATION	RECOMMENDED MODELS
• Agronomy & forestry	Selective breeding of plants, fruit and production of food from plants, wood from trees, fuel. Plant physiology and genetics research	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Anatomopathology	Diagnosis of diseases of organs or tissues. Cytopathology and forensic pathology	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Bacteriology	Study of bacteria as subdivision of microbiology. Identification, classification	BioBlue.Lab, B and B+ series, iScope, Oxion, Oxion Inverso

**LIFE SCIENCE
LABORATORIES**

FIELD OF APPLICATION

RECOMMENDED MODELS

• Biochemistry	Study of chemical processes within living organism. Identification and classification of enzymes and structure of biomolecules	BioBlue.Lab, B and B+ series, iScope, Oxion
• Biomedical	Study of medical microbiology, virology, epidemiology, biomedical engineering	BioBlue.Lab, iScope, Oxion
• Biotechnology	Study of living organism in order to make food products, for plant protection (genetically modified organism) and other bioprocess engineering. Development of pharmaceutical drugs, genetic testing, enzymes production, biofuels, textile	BioBlue.Lab, B and B+ series, iScope, Oxion, NexiusZoom, DZ series
• Botany	Study of plants as branch of biology. Plant anatomy and morphology. Plant genetics and ecology. Plant biochemistry	BioBlue.Lab, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Cell Culture	Controlled growth of cells and tissues, fungal culture and microbiological culture	Oxion Inverso, NexiusZoom, DZ series
• Chemistry	Study of the composition and properties of chemicals	iScope (material and polarization), Oxion (material), B+ series (material), NexiusZoom, DZ series
• Cosmetics	Research, development and testing (safety) of substances for make-up or perfume	B+ series (material), iScope (material), NexiusZoom, Oxion (material), DZ series
• Cytology	Study of cell structure, function and chemistry. Detection of cellular diseases	BioBlue.Lab, iScope, Oxion
• Dermatology	Study and diagnosis, treatment of skin, nails and hair diseases	iScope, Oxion, NexiusZoom, StereoBlue, DZ series
• Digital imaging	Observation and perform analysis on microscope images, save and captured the images and videos	CMEX cameras, CCD cameras, HD cameras, Cooled cameras, ProPad
• Embryology	Study of gametes, embryos and fetuses	BioBlue.Lab, B and B+ series, iScope, Oxion, NexiusZoom, DZ series, Z series
• Entomology	Study of insects as branch of zoology. Identification and classification of beetles, flies, termites, moths and butterflies, bees, ants, wasps	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Environmental	Monitoring of environmental conditions like water, atmosphere, ecosystems, soil and pollution control	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Fluorescence	Study of living and non living material with the help of fluorescence markers (fluorochromes)	iScope (fluorescence), Oxion (fluorescence), Oxion Inverso (fluorescence), B+ series (fluorescence), DZ series
• Food and beverages	Quality and safety controls, before, during and after the production of food and beverages	BioBlue.Lab, B and B+ series, iScope, Oxion
• Forensics	Analysis of scientific evidence. Toxicology, fingerprints, Forensic anthropology and archeology, forensic botany and entomology	BioBlue.Lab, B and B+ series, B+ series (material), iScope, iScope (material and polarization), Oxion, Oxion (material), Oxion Inverted, Oxion Inverted (material), NexiusZoom, DZ series, Z series
• Genetics	Study of genes, heredity in living organism including bacteria, plants, animals and humans	iScope, Oxion, DZ series
• Hematology	Study and diagnosis, treatment and prevention of diseases of the blood	iScope, B+ series (dark field), iScope (dark field), Oxion, Oxion (dark field), iScope, Oxion

**LIFE SCIENCE
LABORATORIES**

FIELD OF APPLICATION

RECOMMENDED MODELS

• Histopathology	Microscopic examination of tissue , diagnosis of diseases	iScope, Oxion
• Horticulture	Selective breeding of plants and fruit for production of food	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• In vitro fertilization	In vitro fertilization IVF. Quality control of collected egg and sperm	StereoBlue, NexiusZoom, DZ series, Z series
• Histopathology	Microscopic examination of tissue , diagnosis of diseases	iScope, Oxion
• Marine Biology	Study of organisms living in the ocean or sea's as branch of biology	iScope, Oxion, NexiusZoom, DZ series
• Microbiology	Study of microscopic uni-, multi- or acellular small organisms such as protozoa, algae, bacteria and more. Identification and classification	iScope, Oxion, NexiusZoom, DZ series
• Mycology	Study of fungi as branch of biology. Identification and classification	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Neuropathology	Study and diagnosis of diseases in nervous system tissue	iScope, Oxion, NexiusZoom, DZ series
• Oncology	Study and diagnosis, treatment and prevention of cancers	iScope, Oxion
• Parasitology	Study of parasites, medical and veterinary	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Pathology	Study and diagnosis of diseases	iScope, Oxion
Pharmaceutics	Development and production of drugs for medication. Quality assurance and inspection of produced products	iScope (polarization), StereoBlue, NexiusZoom, DZ series
• Phytopathology	Study and diagnosis of plant diseases	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Veterinary medicine	Prevention, diagnosis and treatment of diseases, injuries on animals	BioBlue.Lab, B and B+ series, iScope, Oxion, Oxion Inverso, StereoBlue, NexiusZoom, DZ series
• Virology	Study and diagnosis of viruses and virus-like agents	BioBlue.Lab, B and B+ series, iScope, Oxion
• Water treatment	Production of drinking water and wastewater treatment. Quality control and disease prevention	BioBlue.Lab, B and B+ series, iScope, Oxion
• Embryo collection	Embryo collection and transfer in mares, pigs, cows. Quality control	NexiusZoom, DZ series, Z series
• Zoology	Animal biology. Study of invertebrated and vertebrated animals and related branches	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series

INDUSTRY	FIELD OF APPLICATION	RECOMMENDED MODELS
• Aerospace	Manufacturing and quality inspection of rockets and space vehicles related parts	iScope (material), Oxion (material), NexiusZoom, DZ series, Z series
• Agronomy & forestry	Selective breeding of plants, fruit and production of food from plants, wood from trees, fuel. Plant physiology and genetics research	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Asbestos control	Research of asbestos fibers, environmental protection during restauration of older buildings	iScope (asbestos and polarization), NexiusZoom, DZ series, Z series
• Automotive	Manufacturing and quality inspection of automotive related parts	iScope (material), Oxion Inverso (material), NexiusZoom, DZ series, Z series
• Avionics	Manufacturing and quality inspection of aircrafts related parts	iScope (material), NexiusZoom, DZ series
• Biochemistry	Study of chemical processes within living organism. Identification and classification of enzymes and structure of biomolecules	BioBlue.Lab, iScope, Oxion, NexiusZoom, DZ series
• Chemistry	Study of the composition and properties of chemicals	iScope (material), Oxion (material)
• Cosmetics	Research, development and testing (safety) of substances for make-up or perfume	B+ series (material), iScope (material), Oxion (material), NexiusZoom, DZ series
• Digital imaging	Observation and perform analysis on microscope images, save and captured the images and videos	CMEX cameras, CCD cameras, HD cameras, ProPad
• Electronics	Development, production, assembling and inspection of electronic components or circuitry	iScope (material), Oxion (material), NexiusZoom, DZ series, Z series, BE-50 LED
• Environmental	Monitoring of environmental conditions like water, atmosphere, ecosystems, soil and pollution control	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Food and beverages	Quality and safety controls, before, during and after the production of food and beverages	BioBlue.Lab, B and B+ series, iScope, Oxion
• Forensics	Analysis of scientific evidence. Toxicology, fingerprints, Forensic anthropology and archeology, forensic botany and entomology	BioBlue.Lab, B and B+ series, B+ series (material), iScope, iScope (material and polarization), Oxion, Oxion (material), Oxion Inverted, Oxion Inverted (material), NexiusZoom, DZ series, Z series
• Geology, mineralogy	Earth science that study the solid, rocks and processes. Identification and classification of rocks and minerals	iScope (material), Oxion (material), Oxion Inverso (material), B+ (material), StereoBlue, NexiusZoom, DZ series
• Geology, petrology	Identification by means of an petrographic microscope	iScope (polarization)
• Glass industry	Quality control, before, during and after the production of glass and coatings	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Horticulture	Selective breeding of plants and fruit for production of food	BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series
• Jewelry	Precise manufacturing of very small decorative items such as brooches, rings, bracelets and more	BE-50 LED series, StereoBlue, NexiusZoom, DZ series, Z series
• Mechanics	Manufacturing and quality inspection of mechanical parts	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Metallurgy	Manufacturing and quality inspection of metallic elements, intermetallic compounds and alloys	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Mining	Extraction of minerals such. Identification, quantitative and qualitative evaluation of minerals	iScope (material and polarization), Oxion (material and polarization), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Paper industry	Production of paper related products. Quality inspection	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Petrochemical	Research and transformation of crude oil and natural gas	iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Petrology	Study of the composition and structure of rocks as branch of geology. Identification by means of polarization microscopes	iScope (polarization), StereoBlue, NexiusZoom, DZ series
• Pharmaceuticals	Development and production of drugs for medication. Quality assurance and inspection of produced products	iScope (polarization), StereoBlue, NexiusZoom, DZ series

INDUSTRY	FIELD OF APPLICATION	RECOMMENDED MODELS
• Plastics	Development and production of plastics and plastic based compounds. Quality assurance and inspection	iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series
• Printing industry	Production of relief printing, lithography	iScope (material), Oxion (material), B+ series (material), AP series, StereoBlue, NexiusZoom, DZ series
• Textile	Development and production of all kind of textile based products. Quality assurance and inspection	iScope (material), Oxion (material), Oxion Inverso (material), B+ (material), AP series, StereoBlue, NexiusZoom, DZ series
• Water treatment	Production of drinking water and wastewater treatment . Quality control and disease prevention	BioBlue.Lab, B and B+ series, iScope, Oxion,
• Wood production	Wood production for construction material, fuel. Quality control	iScope (material), Oxion (material), Oxion Inverso (material), B+ (material), AP series, StereoBlue, NexiusZoom, DZ series



























MORE INFORMATION?

If you need further information or have any questions please feel free to contact our area sales managers or offices.

Contact details can be found at the back of this catalogue

ICONS EXPLANATION

In this catalog icons are used to indicate the several functions of a microscope. Please find below more detail about the meaning of each icon

- **Monocular**   • **Phase contrast illumination**
- **Binocular**   • **Abbe condenser**
- **Trinocular**   • **Zoom stereo objective**
- **Rotating head 360°**   • **Digital product**
- **Incident light**   • **WiFi connection**
- **Transmitted light**   • **USB connection**
- **Polarized light**   • **ESD safe coating**
- **Infinity corrected**   • **Rechargeable battery**
- **LED illumination**   • **Internal power supply**
- **NeoLED™ illumination**   • **Mains adapter**
- **Halogen illumination**   • **2 years warranty**
- **HG-HBO illumination**   • **5 years warranty**
- **Köhler illumination**   • **10 years warranty**

Euromex 
**MICROSCOPE
COLLECTION**
2016

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