Choose the right EuromexMicroscope

FIELD OF APPLICATION

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

RECOMMENDED MODELS

EDUCATION

UNIVERSITY LABS FIELD OF APPLICATION RECOMMENDED MODELS

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 iScope (material), Oxion (material), B+ series (material), StereoBlue, NexiusZoom, DZ series Earth Science; Study of solids, rocks and processes. Identification and classification of rocks and minerals • Geology, petrology Identification by means of petrographic microscope iScope (polarization), StereoBlue, NexiusZoom, DZ series iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series • Glass industry Quality control, before, during and after the production of glass and coatings 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 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. iScope (polarization), StereoBlue, NexiusZoom, DZ series Identification by means of polarization microscopes Pharmaceutics Development and production of drugs for medication. iScope (polarization), StereoBlue, NexiusZoom, DZ series Quality assurance and inspection of produced products 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. iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), StereoBlue, NexiusZoom, DZ series Quality assurance and inspection • Textile Development and production of all kind of textile based products. iScope (material), Oxion (material), B+ series (material), AP series, StereoBlue, NexiusZoom, DZ series Quality assurance and inspection 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 BioBlue.Lab, B and B+ series, iScope, Oxion Study and diagnosis of viruses and virus-like agents • Water treatment BioBlue.Lab, B and B+ series, iScope, Oxion Production of drinking water and wastewater treatment. Quality control and disease prevention Wood production iScope (material), Oxion (material), Oxion Inverso (material), B+ series (material), AP series, StereoBlue, NexiusZoom, DZ series Wood production for construction material, fuel. Quality control

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

NexiusZoom, DZ series, Z series

BioBlue.Lab, B and B+ series, iScope, Oxion, StereoBlue, NexiusZoom, DZ series

• Embryo collection

Zoology

Embryo collection and transfer in mares, pigs, cows. Quality control

Animal biology. Study of invertebrated and vertebrated animals and related branches

LIFE SCIENCE LABORATORIES

FIELD OF APPLICATION

RECOMMENDED MODELS

LABORATORIES		
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 an 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 filed), iScope (dark field), Oxion, Oxion (dark field), iScope, Oxion

LIFE SCIENCE LABORATORIES

FIELD OF APPLICATION RECOMMENDED MODELS

LABORATORIES		
• 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
Pharmaceutics	Development and production of drugs for medication. Ouality assurance and inspection of produced products	iScope (polarization), StereoBlue, NexiusZoom, DZ series





INDUSTRY FIELD OF APPLICATION

• 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











Infinity

NeoLED™

illumination





 Rechargeable battery

Binocular





condenser

· Zoom stereo

objective

Abbe







100-240V

 Internal power supply

Mains adapter

• Trinocular









ZOOM



 Rotating head 360°









 Transmitted light

Polarized

Incident

light













 Halogen illumination



NeoLED





 Köhler illumination

illumination

HG-HBO



HG-HBO

 10 years warranty

2 years

 5 years warranty

warranty

RECOMMENDED MODELS