

VWR® for microscopy

01. MICROSCOPES

02. ILLUMINATION
SYSTEMS

03. CAMERAS

04. CONSUMABLES
& CHEMICALS



VWR® for microscopy

Welcome to the VWR branded range of products for microscopy

It doesn't matter if you're using microscopes to train scientists of the future, pushing back the boundaries in research, or striving for consistency in industry – everything you need is here.

You'll notice several things about the VWR range of products for microscopy:

Choice – extensive range of microscopes, cameras, light sources, plus a large selection of accessories

Performance – market leading consistency and reliability backed up with warranties that run to many years

VWR microscopes for sustainability

- Very low energy consumption - 3 W only
- Several models offer an environmentally advantageous solar power source as an accessory
- LED lifetime is 50 000 hours compared to only 1500 hours of an ordinary halogen lamp



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SCHOOL MICROSCOPE, VISISCOPE® MSL100

Educational microscope for transmitted light observations in routine applications.

- Objective locking system
- Ultra-bright light, ergonomic control and contrast
- Die-cast frame with high stability and ergonomy
- Cordless use, through rechargeable Ni-MH batteries

Supplied ready to use with eyepieces, objectives, dust cover and instruction manual.



MSL100

Model	MSL100
Observation method	Brightfield
Head	45° inclined, 360° rotating
Eyepieces	WF 10×/18 mm
Nosepiece	Triple
Objectives	Achromatic 4×, 10×, 40×
Stage	Round, 90 mm diameter
Condenser	0,65 N.A. pre-centred
Illumination	Long life LED (0,3 W)
W×D×H	140×182×315 mm

Description	Type	Model	Pk	Cat. No.
School microscope	Monocular	MSL100	1	630-2643

Avantor Services



Equipment Services

Our equipment services optimise your uptime, ensuring your equipment is fully compliant and performing to specifications. We offer:

- Multi-vendor technical services
 - Installation
 - Repairs
 - Relocation
 - Calibration
 - Validation
 - Preventive maintenance
 - Warranty
- Asset management



PB19033-EN

UPRIGHT MICROSCOPES, VISISCOPE® 100

Educational microscopes for transmitted light observations in routine applications.

- Coated eyepieces, anti-fungus objectives
- Focusing mechanism with limit stop
- Efficient and energy saving LED
- Die-cast frame with high stability and ergonomy

Conform EUP 205/32/EC. Achromatic DIN objectives.

Supplied ready to use with eyepieces, objectives, dust cover and manual.



Model	ML103	ML114	ML124	BL114	BL124
Observation method	Brightfield				
Head	30° inclined, 360° rotating				
Eyepieces	WF 10x/18 mm, high eyepoint, secured by screw				
Nosepiece	Quadruple				
Objectives	Achromatic HC 4x, 10x, 40x	Achromatic HC 4x, 10x, 40x, 60x	Achromatic HC 4x, 10x, 40x, 100x	Achromatic HC 4x, 10x, 40x, 60x	Achromatic HC 4x, 10x, 40x, 100x
Stage	Fixed, 130x120 mm	Double layer stage, 125x116 mm (70x30 movement)			
Condenser	Abbe N.A. 0,65, pre-centered with iris diaphragm	Abbe N.A. 1,2, pre-centered, focusable, with iris diaphragm			
Focusing system	Coaxial coarse and fine knobs				
Illumination	LED (1 W)				
WxDxH	170x210x350 mm				
Weight	4 kg				

Description	Type	Model	Magnification	Pk	Cat. No.
Upright microscope	Monocular	ML103	4x, 10x, 40x	1	630-1550
Upright microscope	Monocular	ML114	4x, 10x, 40x, 60x	1	630-1551
Upright microscope	Monocular	ML124	4x, 10x, 40x, 100x	1	630-1552
Upright microscope	Binocular	BL114	4x, 10x, 40x, 60x	1	630-1553
Upright microscope	Binocular	BL124	4x, 10x, 40x, 100x	1	630-1554

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5x	1	630-1624
Widefield eyepiece	10x (18 mm)	1	630-1625
Widefield eyepiece	16x (12 mm)	1	630-1626
Widefield micrometric eyepiece	10x (18 mm)	1	630-1627
High contrast achromatic objectives for VisiScope®			
Achromatic objective	4x/0,10	1	630-1628
Achromatic objective	10x/0,25	1	630-1629
Achromatic objective	20x/0,40	1	630-1630
Achromatic objective	40x/0,65	1	630-1631
Achromatic objective	60x/0,85	1	630-1632
Achromatic objective	100x/1,25	1	630-1633
Accessories			
Attachable mechanical stage for ML103		1	630-1634
Blue filter (Ø 32 mm)		1	630-1690
Yellow filter (Ø 32 mm)		1	630-1692
Frosted glass filter (Ø 32 mm)		1	630-1693
Polarising set (filters only)		1	630-1635

UPRIGHT MICROSCOPES, VISISCOPE® ML134 R LED / BL134 R LED

These monocular and binocular microscopes are ideal for educational purposes.

- Energy efficient LED illumination with light intensity control for constant pure-white colour temperature
- Coaxial coarse and fine focusing mechanism with limit stop to prevent contact between objective and specimen
- Adjustable tension of coarse focusing knob
- Smooth movement of the mechanical stage enables precise, accurate positioning of the slide
- N-plan objectives with anti-fungus treatment
- Cordless operation thanks to rechargeable Li-Ion battery (charging time: 6 hours)

Supplied ready to use with eyepieces, objectives and external power supply with EU, UK and US plug for charging the Li-Ion battery.



BL134R

ML134R

Model	ML134 R LED	BL134 R LED
Observation method	Brightfield	
Head	30° inclined, 360° rotating	
Eyepieces	WF 10×/18 mm	
Nosepiece	Quadruple	
Objectives	N-plan achromatic 4×, 10×, 40×, 100× (i)	
Stage	125×116 mm (XY movement: 70×30 mm)	
Condenser	Abbe 1,25 N.A., pre-centred, focusable, with iris diaphragm	
Focusing system	Coaxial coarse and fine knobs	
Illumination	LED (white, 1 W)	
W×D×H	170×320×350 mm	
Weight	4 kg	

Description	Type	Model	Pk	Cat. No.
Upright microscope	Monocular	ML134 R LED	1	630-2980
Upright microscope	Binocular	BL134 R LED	1	630-2981

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
Eyepiece with pointer	10× (18 mm)	1	630-1966
Accessories			
Blue filter (Ø 32 mm)		1	630-1690
Yellow filter (Ø 32 mm)		1	630-1692
Frosted glass filter (Ø 32 mm)		1	630-1693
Polarising set (filters only)		1	630-1635
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009

UPRIGHT MICROSCOPES, VISISCOPE® ALC

VisiScope ALC microscopes have been designed to fulfil all the requirements of an advanced biology educational laboratory.

- Automatic light control (ALC): Correct illumination for each objective
- Anti-fungus coated eyepieces and objectives
- Focusing mechanism with limit stop prevents contact between the objective and the specimen
- Efficient LED energy saving lamp

Conform to EUP 205/32/EC. DIN objectives.

Supplied ready to use with eyepieces, objectives, dust cover and multi-plug external power supply.



BL124 ALC

Observation method	Brightfield
Eyepieces	WF 10×/18 mm
Nosepiece	Quadruple
Objectives	Achromatic HC 4×, 10×, 40×, 100× (i)
Stage	125×116 mm (70×30 mm movement)
Condenser	Abbe N.A. 1.25, pre-centered, focusable, with iris diaphragm
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (1 W)
W×D×H	170×210×350 mm
Weight	4 kg

Type	Model	Pk	Cat. No.
Monocular	ML124	1	630-1925
Binocular	BL124	1	630-1927

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	10× (18 mm)	1	630-1625
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
High contrast achromatic objectives for VisiScope®			
Achromatic objective	4×/0,10	1	630-1628
Achromatic objective	10×/0,25	1	630-1629
Achromatic objective	20×/0,40	1	630-1630
Achromatic objective	40×/0,65	1	630-1631
Achromatic objective	60×/0,85	1	630-1632
Achromatic objective	100×/1,25	1	630-1633

POLARISING MICROSCOPES, VISISCOPE®
ML113 POL / BL113 POL

These polarising microscopes with rechargeable battery for very long outdoor operation (up to 15 hours) are ideal for educational purposes.

- Energy efficient LED illumination with light intensity control for constant pure-white colour temperature
- Coaxial coarse and fine focusing mechanism with limit stop to prevent contact between objective and specimen
- Adjustable tension of coarse focusing knob
- Rotatable round stage, 120 mm diameter
- N-plan objectives with anti-fungus treatment
- Cordless operation thanks to rechargeable Li-Ion battery (charging time: 6 hours)

Supplied ready to use with eyepieces, objectives, dust cover and external power supply with EU, UK and US plug for charging the Li-Ion battery. Also includes a rotating polariser (swing-out) and a fixed analyser (sliding-out).



ML113 POL

BL113 POL

Observation method	Brightfield and polarisation
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/18 mm
Nosepiece	Quadruple
Objectives	N-plan achromatic 4×, 10×, 40×
Stage	Round, Ø 120 mm
Condenser	Fixed, 1.25, pre-centered, with iris diaphragm
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 1 W)

Description	Type	Model	Pk	Cat. No.
Polarising microscope	Monocular	ML113 POL	1	630-2977
Polarising microscope	Binocular	BL113 POL	1	630-2976

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	10× (18 mm)	1	630-1625
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009

DIGITAL MICROSCOPES, VISISCOPE® DML113 / DBL134

These monocular and binocular microscopes, with integrated camera, are ideal for educational purposes.

- Energy efficient LED illumination with light intensity control for constant pure-white colour temperature
- Coaxial coarse and fine focusing mechanism with limit stop to prevent contact between objective and specimen
- Adjustable tension of coarse focusing knob
- Smooth movement of the mechanical stage enables precise and accurate positioning of the slide
- N-plan objectives with anti-fungus treatment
- Cordless operation thanks to rechargeable Li-Ion battery (charging time: 6 hours)

Supplied ready to use with eyepieces, objectives and external power supply with EU, UK and US plug for charging the Li-Ion battery.



DML113

DBL134

Model	DML113	DBL134
Observation method	Brightfield	
Head	30° inclined, 360° rotating	
Eyepieces	WF 10×/18 mm	
Nosepiece	Quadruple	
Objectives	N-plan achromatic 4×, 10×, 40×	N-plan achromatic 4×, 10×, 40×, 100× (i)
Stage	125×116 mm (movement: 70×30 mm)	
Condenser	Abbe N.A. 1.25, pre-centred, focusable, with iris diaphragm	
Focusing system	Coaxial coarse and fine knobs	
Illumination	LED (white, 1 W)	
Camera	1,3 MP	3,2 MP
Sensor	CMOS	
W×D×H	170×320×365 mm	
Weight	4 kg	

Description	Type	Model	Resolution	Magnification	Pk	Cat. No.
Digital microscope	Monocular	DML113	1,3 MP	40× - 400×	1	630-2979
Digital microscope	Binocular	DBL134	3,2 MP	40× - 1000×	1	630-2978

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
Eyepiece with pointer	10× (18 mm)	1	630-1966
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009

UPRIGHT MICROSCOPES, VISISCOPE® 200

Reliable, advanced microscopes for educational purposes.
Particularly recommended for secondary schools.

- Powered illumination system with adjustable intensity – efficient LED energy saving lamp
- Constant pure-white colour temperature at all intensity levels
- Large opening behind the nosepiece for use as a handle
- Optical components treated to prevent the formation of moulds and fungi

Objectives conform to DIN standards. Strict controls on materials and production processes optimised by ISO 9001:2008 quality system.

Supplied ready to use with eyepieces, objectives and multi-plug external power supply.



Model	ML214 PL	BL214 PL	ML224 PL	BL224 PL	TL224 PL
Observation method	Brightfield				
Head	30° inclined, 360° rotating				
Eyepieces	WF 10×/18 mm				
Nosepiece	Quadruple				
Objectives	N-plan HC 4×, 10×, 40×, 60×		N-plan HC 4×, 10×, 40×, 100× (i)		
Stage	125×115 mm (movement: 70×30 mm)				
Condenser	Abbe 1,25 N.A., pre-centered, adjustable height, with iris diaphragm				
Focusing system	Coaxial coarse and fine knobs				
Illumination	LED (3 W)				
W×D×H	235×290×370 mm				
Weight	6.5 kg				

Description	Type	Model	Magnification	Pk	Cat. No.
Upright microscope, N-plan objectives	Monocular	ML214 PL	4×, 10×, 40×, 60×	1	630-3295
Upright microscope, N-plan objectives	Binocular	BL214 PL	4×, 10×, 40×, 60×	1	630-3292
Upright microscope, N-plan objectives	Monocular	ML224 PL	4×, 10×, 40×, 100× (i)	1	630-3294
Upright microscope, N-plan objectives	Binocular	BL224 PL	4×, 10×, 40×, 100× (i)	1	630-3291
Upright microscope, N-plan objectives	Trinocular	TL224 PL	4×, 10×, 40×, 100× (i)	1	630-3293

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	10× (18 mm)	1	630-1625
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
Eyepiece with pointer	10× (18 mm)	1	630-1966
Accessories			
Blue filter (Ø 32 mm)		1	630-1690
Yellow filter (Ø 32 mm)		1	630-1692
Green filter (Ø 32 mm)		1	630-1691
Frosted glass filter (Ø 32 mm)		1	630-1693
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009

UPRIGHT MICROSCOPES, VISISCOPE® 254

These upright microscopes are ideal for use in universities and routine laboratories.

- Die-cast frame with high stability
- N-plan objectives (160 mm or IOS)
- Fixed Koehler illumination for crisp images
- LED illumination with adjustable intensity; constant pure-white colour temperature (6300 K)
- Optical components treated to prevent the formation of moulds and fungi

Objectives conform to DIN standards.

Strict controls on materials and production processes optimised through the procedures established by the ISO 9001:2008 quality system.

Supplied ready to use with eyepieces, objectives and multi-plug external power supply.



TL254

Observation method	Brightfield
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/20 mm
Nosepiece	Quadruple
Objectives	(IOS) N-plan achromatic 4×, 10×, 40×, 100× (i)
Stage	150×139 mm (movement: 75×33 mm), rackless
Condenser	Abbe N.A. 1,25 with iris diaphragm, focusable and centerable
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 3,6 W)
W×D×H	235×290×370 mm
Weight	6,5 kg

Description	Type	Model	Pk	Cat. No.
Upright microscope	Binocular	BL254	1	630-1928
Upright microscope	Trinocular	TL254	1	630-1929
Upright microscope with IOS objectives	Binocular	BL254 PI	1	630-2684
Upright microscope with IOS objectives	Trinocular	TL254 PI	1	630-2688

Description	Magnification	Pk	Cat. No.
Accessories			
Rotating table for polarising set (for models with 150×139 mm rackless stage)		1	630-2011
Polarising set (filters only)		1	630-2010
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
N-plan objectives			
IOS N-plan achromatic objective	4×/0,10 mm	1	630-1639
IOS N-plan achromatic objective	10×/0,25 mm	1	630-1640
IOS N-plan achromatic objective	20×/0,40 mm	1	630-1641
IOS N-plan achromatic objective	40×/0,65 mm	1	630-1642
IOS N-plan achromatic objective	60×/0,80 mm	1	630-2049
IOS N-plan achromatic objective (oil/water)	100×/ 1,25 mm (i)	1	630-1643
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009
Microscope cleaning set			
Cleaning kit (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)		1	630-2081

UPRIGHT MICROSCOPES, VISISCOPE® 384

Mid-level microscopes for use in universities, laboratories and in industry.

- Energy saving LED with adjustable brightness and constant pure white colour temperature (6300 K)
- ALC (Automatic Light Control): Light intensity is automatically adjusted by the microscope in case of objective or diaphragm changes
- Modern, ergonomic stand plus adjustable focusing tension with limit stop
- Rackless stage with belt-driven mechanism allows smooth movement

NOTE: Pi/Phi models = IOS (infinity corrected) objectives.

Supplied with eyepieces, four objectives and multi-plug external power supply.



Model	BL384 P	TL384 P	BL384 Pi	TL384 Pi	BL384 Ph	TL384 Ph	BL384 Phi	TL384 Phi
Observation method	Brightfield				Brightfield, phase contrast and darkfield			
Head	30° inclined, 360° rotating							
Eyepieces	WF 10×/20 mm							
Nosepiece	Quintuple							
Objectives	IOS N- or W-plan achromatic 4×, 10×, 40×, 100× (i)							
Stage	150×139 mm (movement 75×33 mm)		233×147 mm (movement 78×54 mm)		150×139 mm (movement 75×33 mm)		233×147 mm (movement 78×54 mm)	
Condenser	Abbe N.A. 1.25, with iris diaphragm, focusable and centreable				Phase condenser (10×/20×, 40×, 100×) with darkfield (dry) and brightfield positions			
Focusing system	Coaxial coarse and fine knobs							
Illumination	LED (white, 3,6 W)							
W×D×H	210×370×480 mm							
Weight	4 kg							

Description	Type	Model	Additional features	Pk	Cat. No.
Brightfield microscope	Binocular	BL384 P	N-plan achromatic objectives, 4×/0,10; 10×/0,25; 40×/0,65; 100×/1,25 (oil/water), anti-fungus	1	630-1930
Brightfield microscope	Trinocular	TL384 P	N-plan achromatic objectives, 4×/0,10; 10×/0,25; 40×/0,65; 100×/1,25 (oil/water), anti-fungus	1	630-1931
Brightfield microscope with IOS objectives	Binocular	BL384 Pi	IOS N-plan achromatic objectives, 4×/0,10; 10×/0,25; 40×/0,65; 100×/1,25 (oil/water), anti-fungus	1	630-1932
Brightfield microscope with IOS objectives	Trinocular	TL384 Pi	IOS N-plan achromatic objectives, 4×/0,10; 10×/0,25; 40×/0,65; 100×/1,25 (oil/water), anti-fungus	1	630-1933
Phase contrast microscope	Binocular	BL384 Ph	W-plan achromatic objectives, 4×/0,10; Ph 10×/0,25; Ph 40×/0,65; Ph 100×/1,25 (oil/water), anti-fungus	1	630-1934
Phase contrast microscope	Trinocular	TL384 Ph	W-plan achromatic objectives, 4×/0,10; Ph 10×/0,25; Ph 40×/0,65; Ph 100×/1,25 (oil/water), anti-fungus	1	630-1935
Phase contrast microscope with IOS objectives	Binocular	BL384 Phi	IOS W-plan achromatic objectives, Ph 10×/0,25; Ph 20×/0,40; Ph 40×/0,65; Ph 100×/1,25 (oil/water), anti-fungus	1	630-2529
Phase contrast microscope with IOS objectives	Trinocular	TL384 Phi	IOS W-plan achromatic objectives, Ph 10×/0,25; Ph 20×/0,40; Ph 40×/0,65; Ph 100×/1,25 (oil/water), anti-fungus	1	630-2530

Description	Magnification	Pk	Cat. No.
Plan achromatic phase contrast objectives, VisiScope®			
Plan achromatic objective	10×/0,25	1	630-2050
Plan achromatic objective	20×/0,40	1	630-2051
Plan achromatic objective	40×/0,65	1	630-2052
Plan achromatic objective (i)	100×/1,25 (i)	1	630-2053
Accessories			
Rotating table for polarising set (for models with 150×139 mm rackless stage)		1	630-2011
Polarising set (filters only)		1	630-2285
Phase contrast set, complete, incl. W-Plan objectives (10×, 40×, 100×) and BF/DF/PH condenser		1	630-2058
Darkfield condenser for dry objectives		1	630-2060
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
Spare parts			
Dust cover, medium, L×H: 600×500 mm		1	630-2823

TRINOCULAR MICROSCOPES, VISISCOPE® 534

Advanced routine microscopes for transmitted light applications in laboratories. Also ideal for teaching and training students, especially in the medical field.

- Anti-fungus treatment on all objectives
- Full Köhler illumination system for homogeneous, bright light
- Efficient, energy saving LED lamp
- IOS W-plan objectives for high contrast, sharp images
- Die-cast frame with high stability

Supplied ready to use with eyepieces, objectives, dust cover and multi-plug external power supply.



TL534 PH

TL534

Model	TL534	TL534 PH
Observation method	Brightfield	Brightfield, phase contrast and darkfield
Head	30° inclined, 360° rotating	
Eyepieces	WF 10×/22 mm	
Nosepiece	Quintuple	
Objectives	IOS W-plan achromatic 4×, 10×, 40×, 100× (i)	
Stage	233×147 mm (movement: 78×54 mm)	
Condenser	Swing-out N.A. 0,2/0,9, with iris diaphragm, focusable and centreable	Phase condenser (10×/20×, 40×, 100×) with darkfield (dry) and brightfield
Focusing system	Coaxial coarse and fine knobs	
Illumination	LED (white, 3,6 W)	
W×D×H	255×400×420 mm	
Weight	5 kg	

Description	Type	Model	Pk	Cat. No.
Brightfield microscope	Trinocular	TL534	1	630-2943
Phase contrast microscope	Trinocular	TL534 PH	1	630-2944

Description	Magnification	Pk	Cat. No.
Eyepieces			
Widefield eyepieces	10×/22 mm	2	630-1967
Widefield micrometer eyepiece with 0,1 mm division	10×/22 mm	1	630-1968
Widefield eyepiece	15×/16 mm	1	630-1969
IOS W-Plan objectives			
IOS W-Plan objective	2×/0,08	1	630-2948
IOS W-Plan objective	4×/0,10	1	630-2949
IOS W-Plan objective	10×/0,25	1	630-2950
IOS W-Plan objective	20×/0,40	1	630-2951
IOS W-Plan objective	40×/0,65	1	630-2952
IOS W-Plan objective	60×/0,80	1	630-2953
IOS W-Plan objective (oil)	100×/1,25 (i)	1	630-2955
IOS W-Plan objective (oil) with iris for Darkfield	100×/1,25 (i)	1	630-2954
IOS W-Plan phase contrast objectives			
IOS W-Plan phase contrast objective	PH 10×/0,25	1	630-1976
IOS W-Plan phase contrast objective	PH 20×/0,40	1	630-1977
IOS W-Plan phase contrast objective	PH 40×/0,65	1	630-1978
IOS W-Plan phase contrast objective	PH 100×/1,25 (i)	1	630-1979

UPRIGHT MICROSCOPES, VISISCOPE® 800

VisiScope 800 laboratory microscopes are designed for research projects.

- Die-cast frame with high stability and ergonomics
- Transmitted light observations
- High efficiency pure white LED
- IOS objectives with anti-fungus treatment

A full range of accessories are available. Please contact your local VWR sales office for further details.

Supplied ready to use with eyepieces, objectives, dust cover and power supply.



TL824 (BF)

Model	TL824 (BF)	TL824 (PH)
Observation method	Brightfield	Brightfield, phase contrast and darkfield
Head	30° inclined, 360° rotating	
Eyepieces	WF 10×/22 mm	
Nosepiece	Sextuple	
Objectives	IOS W-plan achromatic 4×, 10×, 20×, 40×, 60×, 100× (i)	IOS W-Ph plan achromatic 10×, 20×, 40×, 100× (i)
Stage	243×160 mm (movement: 100×60 mm)	
Condenser	Swing-out type, N.A.0,9 with centering system	Phase contrast condenser 10×, 20×, 40×, 100×, BF, DF
Focusing system	Coaxial coarse and fine knobs	
Illumination	LED (white, 3,6 W)	
W×D×H	250×394×460 mm	
Weight	10 kg	

Description	Type	Model	Pk	Cat. No.
Brightfield microscope	Trinocular	TL824 (BF)	1	630-1940
Phase contrast microscope	Trinocular	TL824 (PH)	1	630-1941

Description	Magnification	Pk	Cat. No.
Eyepieces			
Widefield eyepieces	10×/22 mm	2	630-1967
Widefield micrometer eyepiece with 0,1 mm division	10×/22 mm	1	630-1968
Widefield eyepiece	15×/16 mm	1	630-1969

Description	Magnification	Pk	Cat. No.
Accessories			
Heating stage		1	630-1980
Green filter (Ø 45 mm)		1	630-1753
Polarisation filter set		1	630-1982
Lambda filter for polarisation		1	630-1983
Phase contrast condenser N.A. 1,25		1	630-2283
Centering telescope for phase contrast		1	630-1981
Eyecups (1 pair)		1	630-1756
IOS W-Plan phase contrast objectives			
IOS W-Plan phase contrast objective	PH 10×/0,25	1	630-1976
IOS W-Plan phase contrast objective	PH 20×/0,40	1	630-1977
IOS W-Plan phase contrast objective	PH 40×/0,65	1	630-1978
IOS W-Plan phase contrast objective	PH 100×/1,25 (i)	1	630-1979
Spare parts			
Dust cover, XL, L×H: 820×550 mm		1	630-2825

FLUORESCENCE MICROSCOPE, VISISCOPE® TL384B FL1 B

These fluorescence microscopes are designed for routine lab applications.

- Observation methods: Brightfield and LED fluorescence
- Energy saving LED technology with higher light intensity for bright images and improved colour fidelity
- Automatic light control and adjustment
- Rackless stage with belt-driven mechanism allows a smooth movement
- Five objectives with anti-fungus treatment

The extremely powerful LED fluorescence illuminator is combined with blue excitation filter set for the visualization of the following fluorochromes: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP.

LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related lamp replacement and adjustment. Transmitted light through the exclusive X-LED to ensure great-looking, rich and high-quality specimen view.

Supplied ready to use with eyepieces, objectives, multi-power supply, dust cover and blue filter set.



TL384B FL1 B

Model	TL384B FL1 B
Observation method	Brightfield and fluorescence
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/20 mm
Nosepiece	Quintuple
Objectives	4×, 10×, 20×, 40×, 60×, 100× (i)
Stage	233×147 mm (movement: 78×54 mm)
Condenser	Abbe N.A. 1.25, with iris diaphragm, focusable and centerable
Focusing system	Coaxial coarse and fine knobs
Illumination	Transmitted illumination (fixed Koehler type): LED (white 3,6 W); Epi-illumination: High power blue LED with brightness control; 1-position filter holder (blue filter included)
W×D×H	210×370×480 mm
Weight	5 kg

Description	Type	Model	Pk	Cat. No.
VisiScope® fluorescence microscope	Trinocular	TL384B FL1 B	1	630-3242

Description	Magnification	Pk	Cat. No.
Accessories			
Polarising set (filters only)		1	630-2285
Darkfield condenser for dry objectives		1	630-2060
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Phase contrast set, complete, incl. IOS W-Plan objectives (10×, 20×, 40×, 100×) and BF/DF/PH condenser		1	630-2059
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
N-plan objectives			
IOS N-plan achromatic objective	4×/0,10 mm	1	630-1639
IOS N-plan achromatic objective	10×/0,25 mm	1	630-1640
IOS N-plan achromatic objective	20×/0,40 mm	1	630-1641
IOS N-plan achromatic objective	40×/0,65 mm	1	630-1642
IOS N-plan achromatic objective	60×/0,80 mm	1	630-2049
Camera adapters for VisiCam®			
C-mount adapter for 1/3" sensor		1	630-2720
CCD camera adapters, VisiScope®			
C-mount projection lens, 0,75×		1	630-2993

FLUORESCENCE MICROSCOPES, VISISCOPE® TL534B FL4

Advanced routine fluorescence microscope for transmitted brightfield and fluorescence observations with high quality IOS W-Plan or IOS W-Plan F (Semi-Apo) objectives. Suitable for educational and laboratory applications.

- Die-cast frame with high stability and ergonomics
- Double layer rackless mechanical stage with Vernier scale on two axes
- Anti-fungus treatment for all objectives
- Infinity-corrected optical system (IOS)
- Energy saving LED technology with higher light intensity for bright images and improved colour fidelity

The extremely powerful LED fluorescence illuminators are combined with corresponding excitation filter sets for the visualisation of most fluorochromes. LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related to lamp replacement and adjustment. Transmitted light through the exclusive X-LED ensures great looking, rich, high quality specimen view.

The LED fluorescence attachment is a revolutionary solution. It consists of a 4-position selector for the use of 4 fluorescent illuminators, called LED fluorescence cubes. Each cube is composed of a filter set mounted on a filter block and a high power LED with emission corresponding to the filters installed. For various analysis a selection of 9 LED fluorescence filter cubes are available.

Supplied ready to use with eyepieces, objectives, multi-plug power supply, dust cover and immersion oil (10 ml). Article 630-3270 additionally includes two LED fluorescence cubes (blue and green).



TL534B FL4

Model	TL534B FL4	TL534B FL4 BG	TL534B-SA FL4
Observation method	Brightfield and fluorescence		
Head	30° inclined, 360° rotating		
Eyepieces	WF 10×/22 mm		
Nosepiece	Quintuple		
Objectives	IOS W-plan achromatic 4×, 10×, 40×, 100× (i)		IOS W-plan F (Semi-Apo) achromatic 4×, 10×, 40×, 100× (i)
Stage	233×147 mm (movement: 78×54 mm)		
Condenser	Swing-out N.A. 0,2/0,9, with iris diaphragm, focusable and centerable		
Focusing system	Coaxial coarse and fine knobs		
Illumination	Transmitted illumination (Full Koehler type): X-LED (white, 3,6 W) with brightness control Epi-illumination: High-power wide spectrum LED with brightness; 4-position filter holder (empty)		
WxD×H	276×395×490 mm		
Weight	11,5 kg		

Description	Type	Model	Pk	Cat. No.
Microscopes				
Fluorescence microscope with IOS W-Plan objectives	Trinocular	TL534B FL4	1	630-3243
Fluorescence microscope with IOS W-Plan objectives and two LED fluorescence cubes (blue + green)	Trinocular	TL534B FL4 BG	1	630-3270
Fluorescence microscope with IOS W-Plan F (Semi-Apo) objectives	Trinocular	TL534B-SA FL4	1	630-3244

Description	Optical features	Magnification	Pk	Cat. No.
LED fluorescence cubes				
Blue LED fluorescence cube for TL534B FL	LED emission 460 nm, Excitation filter 455-495 nm, Dichroic mirror cut-off 500 nm, Emission filter 510 LP nm		1	630-3245
Green LED fluorescence cube for TL534B FL	LED emission 523 nm, Excitation filter 510-550 nm, Dichroic mirror cut-off 570 nm, Emission filter 575 LP nm		1	630-3246
Violet LED fluorescence cube for TL534B FL	LED emission 405 nm, Excitation filter 390 - 420 nm, Dichroic mirror cut-off 440 nm, Emission filter 450 LP nm		1	630-3247
UV LED fluorescence cube for TL534B FL	LED emission 365 nm, Excitation filter 325 - 375 nm, Dichroic mirror cut-off 415 nm, Emission filter 435 LP nm		1	630-3248
Red 1 LED fluorescence cube for TL534B FL	LED emission 623 nm, Excitation filter 590 - 650 nm, Dichroic mirror cut-off 660 nm, Emission filter 665 LP nm		1	630-3249
Red 2 LED fluorescence cube for TL534B FL	LED emission 623 nm, Excitation filter 595-645 nm, Dichroic mirror cut-off 655 nm, Emission filter 665 - 715 nm		1	630-3250
Deep red LED fluorescence cube for TL534B FL	LED emission 660 nm, Excitation filter 623 - 678 nm, Dichroic mirror cut-off 685 nm, Emission filter 690 - 750 nm		1	630-3251
Far red LED fluorescence cube for TL534B FL	LED emission 740 nm, Excitation filter 720 - 760 nm, Dichroic mirror cut-off 770 nm, Emission filter 780 LP nm		1	630-3252
Amber LED fluorescence cube for TL534B FL	LED emission 590 nm, Excitation filter 582 - 603 nm, Dichroic mirror cut-off 610 nm, Emission filter 615 - 645 nm		1	630-3253

Description	Optical features	Magnification	Pk	Cat. No.
Accessories				
Darkfield condenser for dry objectives			1	630-2060
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)			1	630-1650
Phase contrast set, complete, incl. IOS W-Plan objectives (10×, 20×, 40×, 100×) and BF/DF/PH condenser			1	630-2059
Eyepieces				
Widefield eyepieces	10×/22 mm		2	630-1967
Widefield micrometer eyepiece with 0,1 mm division	10×/22 mm		1	630-1968
Widefield eyepiece	15×/16 mm		1	630-1969
IOS W-Plan objectives				
IOS W-Plan objective	2×/0,08		1	630-2948
IOS W-Plan objective	4×/0,10		1	630-2949
IOS W-Plan objective	10×/0,25		1	630-2950
IOS W-Plan objective	20×/0,40		1	630-2951
IOS W-Plan objective	40×/0,65		1	630-2952
IOS W-Plan objective	60×/0,80		1	630-2953
IOS W-Plan objective (oil)	100×/1,25 (i)		1	630-2955
IOS W-Plan objective (oil) with iris for Darkfield	100×/1,25 (i)		1	630-2954
Camera adapters for VisiCam®				
C-mount adapter for 1/3" sensor			1	630-2720
CCD camera adapters, VisiScope®				
C-mount projection lens, 0,75×			1	630-2993

POLARISING MICROSCOPE, VISISCOPE® TL384 POL

Upright microscope for brightfield and polarising light observations with strain-free IOS N-plan POL objectives. Perfect for accurate polarisation analysis in biology and materials science.

- Transmitted LED illumination for bright and clear images
- Rotatable stage with locking mechanism
- Rotatable analyser from 0° to 90° with graduated scale
- Bertrand lens for conoscopic observation
- All objectives with anti-fungus treatment
- Coaxial coarse (adjustable tension) and fine focusing mechanism with limit stop to prevent contact between objective and specimen

Supplied ready to use with eyepieces, objectives and multi-plug power supply.



Model	TL384 POL
Observation method	Brightfield and polarisation
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/20 mm
Nosepiece	Quadruple
Objectives	IOS POL N-plan achromatic 4×, 10×, 40×, 60×
Stage	Ø 160 mm
Condenser	Abbe N.A. 1,25, with iris diaphragm, focusable and centerable; with rotating polarising filter
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 3,6 W)
W×D×H	210×370×480 mm
Weight	5 kg

Type	Model	Pk	Cat. No.
Trinocular	TL384 POL	1	630-1936

Description	Magnification	Pk	Cat. No.
Accessories			
Darkfield condenser for dry objectives		1	630-2060
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
Spare parts			
Dust cover, medium, L×H: 600×500 mm		1	630-2823

METALLURGICAL MICROSCOPE, VISISCOPE® TL384 M

Upright metallurgical microscope with IOS W-plan MET objectives for routine and educational laboratory applications. With LED lighting source both for incident and transmitted illumination.

- Observation modes: Brightfield (incident and transmitted light), simple polarisation (incident light)
- Efficient and energy saving LED lamp with brightness control
- Abbe condenser with iris diaphragm and graduated N.A. scale
- Specimen stage with tempered glass plate
- Modern, ergonomic stand, adjustable focusing tension and limit stop

Supplied ready to use with eyepieces, objectives and multi-plug power supply.



Model	TL384 M
Observation method	Brightfield and polarisation
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/20 mm
Nosepiece	Quintuple
Objectives	IOS MET W-plan achromatic 4×, 10×, 20×, 50×
Stage	216×150 mm (movement: 78×54 mm)
Condenser	Abbe N.A. 1.25, with iris diaphragm, focusable and centerable
Illumination	Transmitted illumination (fixed Koehler): LED (white, 3,6 W) Incident: LED (white, 3,6 W); with field and aperture diaphragms, polariser & analyser filters
W×D×H	210×370×480 mm
Weight	5 kg

Description	Type	Model	Pk	Cat. No.
Metallurgical microscope	Trinocular	TL384 M	1	630-1939

Description	Magnification	Pk	Cat. No.
Accessories			
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
IOS W-Plan MET objectives			
IOS W-Plan MET objectives (no cover glass)	4×/0,10 mm	1	630-2160
IOS W-Plan MET objectives (no cover glass)	10×/0,25 mm	1	630-2161
IOS W-Plan MET objectives (no cover glass)	20×/0,40 mm	1	630-2162
IOS W-Plan MET objectives (no cover glass)	50×/0,75 mm	1	630-2159
Spare parts			
TNT dust cover, large, L×H: 700×550 mm (for models SZB360 OH, SZT360 OH and IT400 series)		1	630-2824

DIGITAL MICROSCOPE, VISISCOPE® BL224PL T1

Educational and laboratory microscope with integrated camera and removable tablet.

- Die-cast frame for high stability and ergonomics during transmitted light observations
- Tablet on the microscope rotatable in all directions and easily detached
- Large opening behind the revolving nosepiece can be used as a handle
- N-plan objectives
- White illumination with light intensity controlled via a knob
- Efficient LED energy saving lamp

Multilingual tablet with touch screen LCD for wireless or Bluetooth® connection and powered by a two-cell Li-Ion battery. Please see the attached documentation for more information.

Keyboard for tablet is sold separately.

Supplied ready to use with eyepieces, objectives, OTG cable (micro-B to USB-A), USB camera cable (micro-B to USB-B), and touch pen. Includes image analysis VisiCam® software, and full view function for wider live camera view, as well as a battery for up to 10 hours in continuous camera live view mode.



Model	BL224PL T1
Observation method	Brightfield
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/18 mm
Nosepiece	Quadruple
Objectives	N-plan 4×, 10×, 40×, 100× (i)
Stage	125×115 mm (movement: 70×30 mm)
Condenser	Abbe N.A. 1,25, pre-centered, adjustable height with iris diaphragm
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 3 W)
Camera	3,1 MP
Sensor	CMOS 1/2,5"
Display	1920×1200 full HD active matrix TFT colour LCD (8,9")
Output	USB (camera) and OTG cables
Computer requirements	Windows® 8.1 (32-bit), Microsoft Office 365 Personal (one-year subscription)
Software	VisiCam®
W×D×H	235×290×400 mm
Weight	7,0 kg

Description	Type	Model	Resolution	Pk	Cat. No.
Digital microscope	Binocular	BL224PL T1	3,1 MP	1	630-3290

Description	Magnification	Pk	Cat. No.
Eyepieces for microscopes, VisiScope®			
Huygens eyepiece	5×	1	630-1624
Widefield eyepiece	10× (18 mm)	1	630-1625
Widefield eyepiece	16× (12 mm)	1	630-1626
Widefield micrometric eyepiece	10× (18 mm)	1	630-1627
Eyepiece with pointer	10× (18 mm)	1	630-1966
Accessories			
Blue filter (Ø 32 mm)		1	630-1690
Yellow filter (Ø 32 mm)		1	630-1692
Green filter (Ø 32 mm)		1	630-1691
Frosted glass filter (Ø 32 mm)		1	630-1693
Keyboard for tablets		1	630-3129
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009
Spare parts			
Dust cover, medium, L×H: 600×500 mm		1	630-2823

DIGITAL MICROSCOPE, VISISCOPE® BL254 T1

Educational and laboratory microscope with integrated camera and removable tablet.

- Die-cast frame for high stability and ergonomics during transmitted light observations
- Tablet on the microscope rotatable in all directions and easily detached
- Large opening behind the revolving nosepiece can be used as a handle
- N-plan objectives with anti-fungus treatment
- White illumination with light intensity controlled via a knob
- Efficient LED energy saving lamp

Multilingual tablet with touch screen for wireless or Bluetooth® connection and powered by a two-cell Li-Ion battery. Please see the attached documentation for more information.

Keyboard for tablet is sold separately.

Supplied ready to use with eyepieces, objectives, OTG cable (micro-B to USB-A), USB camera cable (micro-B to USB-B), and touch pen. Includes image analysis VisiCam® software, and full view function for wider live camera view, as well as a battery for up to 10 hours operation.



Model	BL254 T1
Observation method	Brightfield
Head	30° inclined, 360° rotating
Eyepieces	WF 10×/20 mm
Nosepiece	Quadruple
Objectives	4×, 10×, 40×, 100× (i)
Stage	150×139 mm (movement: 75×33 mm)
Condenser	Abbe N.A. 1,25, with iris diaphragm, focusable and centerable
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 3,6 W)
Camera	3,1 MP
Sensor	CMOS 1/2,5"
Display	1280×800 IPS Multi Touch Screen (10,1")
Output	USB (camera) and OTG cables
Computer requirements	Windows® 10 Microsoft Office 365 Personal (one-year subscription)
Software	VisiCam®
W×D×H	235×290×430 mm
Weight	7,0 kg

Description	Type	Model	Resolution	Pk	Cat. No.
Digital microscope	Binocular	BL254 T1	3,1 MP	1	630-2673

Description	Magnification	Pk	Cat. No.
Accessories			
Rotating table for polarising set (for models with 150×139 mm rackless stage)		1	630-2011
Polarising set (filters only)		1	630-2010
Keyboard for tablets		1	630-3129
Eyepieces for microscopes, VisiScope®			
Eyepiece, high eyepoint, with rubber cup	10×/20 mm	1	630-2000
Eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm) and rubber cup	10×/20 mm	1	630-2003
Eyepiece, with rubber cup	15×/16 mm	1	630-2001
Widefield eyepiece	20×/12 mm	1	630-2002
N-plan objectives			
N-plan objective	4×/0,10 mm	1	630-2004
N-plan objective	10×/0,25 mm	1	630-2005
N-plan objective	20×/0,40 mm	1	630-2006
N-plan objective	40×/0,65 mm	1	630-2007
N-plan objective	60×/0,80 mm	1	630-2008
N-plan objective (oil/water)	100×/1,25 mm (i)	1	630-2009
Spare parts			
Dust cover, medium, LxH: 600×500 mm		1	630-2823

INVERTED MICROSCOPE, VISISCOPE® IT415 PH

This brightfield, phase contrast microscope is the ideal solution for fast and reliable routine inspections, especially in *in vivo* cell culture applications.

- High efficiency LED illumination with brightness control:
Ideal for all transmitted light observations
- Condenser can be removed to extend the working distance up to 150 mm
- Fixed specimen stage for fatigue-free operation
- Two-stage insert (glass and metal) with hole for small dimension specimens
- Plan achromatic LWD objectives (IOS) with anti-fungus treatment

Supplied ready to use with eyepieces, objectives, dust cover, green filters (IF550) and multi-plug power supply.



Model	IT415 PH
Observation method	Brightfield and phase contrast
Head	45° inclined
Eyepieces	WF 10×/22 mm
Nosepiece	Quintuple
Objectives	IOS LWD W-Ph plan achromatic 10×, 20×, 40×
Working distance	72 - 150 mm
Stage	Fixed, 250×160 mm
Condenser	N.A. 0,30, pre-centred
Focusing system	Coaxial coarse and fine knobs
Illumination	LED (white, 8 W)
W×D×H	230×540×495 mm
Weight	9 kg

Description	Type	Model	Pk	Cat. No.
Inverted microscope	Trinocular	IT415 PH	1	630-2729
Complete set IT415PH-1, including Inverted microscope VisiScope IT415 PH with Camera VisiCam P6 and adapter	Trinocular	IT415 PH	1 SET	630-3098

Description	Magnification	Pk	Cat. No.
Digital USB camera, VisiCam® P6			
USB camera		1	630-2958
Accessories			
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Eyepieces			
Widefield micrometer eyepiece with 0,1 mm division	10×/22 mm	1	630-1968
IOS LWD W-Plan objectives			
IOS LWD W-Plan objective	4×/0,13	1	630-2164
IOS LWD W-Plan objective	60×/0,70	1	630-2168
IOS LWD W-Plan PH objectives (phase contrast)			
IOS LWD W-Plan PH objective	4×/0,13	1	630-2719
IOS LWD W-Plan PH objective	10×/0,25	1	630-2165
IOS LWD W-Plan PH objective	20×/0,40	1	630-2166
IOS LWD W-Plan PH objective	40×/0,60	1	630-2167
CCD camera adapters, VisiScope®			
C-mount Adapter for VisiScope TL524; Focusable C-mount adapter (on upright and inverted microscopes)		1	630-1749
Holders			
Holder for Petri dishes, Ø: 38 mm (for 630-2698)		1	630-2697
Holder for Terasaki and Petri dishes, Ø: 65 mm		1	630-2698
Holder for slide and Petri dish, Ø: 54 mm		1	630-2699
Holder for 2+2 slides		1	630-2700
Holder for Utermöhl chamber (for 630-2699)		1	630-2701
Extension			
Load-bearing side extension for VisiScope® IT405 and IT415 (order 2 for each side of the stage)		1	630-2702
Stages			
Mechanical stage for VisiScope® IT415 PH		1	630-2173
Spare parts			
NT dust cover, large, L×H: 700×550 mm (for models SZB360 OH, SZT360 OH and IT400 series)		1	630-2824

INVERTED TRINOCULAR FLUORESCENCE MICROSCOPES, VISISCOPE® IT406 FL

Routine inverted fluorescence microscopes for transmitted brightfield, phase contrast (optional for IT406 FL4 and IT406 FLD4 FLD) and fluorescence observations with IOS LWD W-Plan PH or U-Plan F objectives. Ideal for tissue culture research in clinical and biotechnology laboratories.

- No warm-up, cool-down times for 60 minute time saving
- High efficiency LED illumination with brightness control
- Interchangeable LED filter sets and LED cubes
- Condenser can be removed to extend the working distance up to 150 mm
- Fixed specimen stage for fatigue-free operation
- Two-stage insert (glass and metal) with hole for small dimension specimens
- Plan achromatic objectives (IOS) with anti-fungus treatment

The extremely powerful LED fluorescence illuminators are combined with corresponding excitation filter sets for the visualisation of most fluorochromes. LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related to lamp replacement and adjustment. Transmitted light through the exclusive X-LED to ensure great looking, rich, high quality specimen view.

The LED fluorescence attachment is a revolutionary solution. It consists of an up to four-position selector for the use of four fluorescent illuminators, called LED fluorescence cubes. Each cube is composed of a filter set mounted on a filter block and a high power LED with emission corresponding to the filters installed. For various analysis a selection of nine LED fluorescence filter cubes are available.

Supplied ready to use with eyepieces, objectives, multi-plug power supply, dust cover, without LED fluorescence cubes (IT406 FL2 BG is supplied with blue and green LED cube). The digital model IT406 FLD4 FLD is also supplied with wireless mouse and keyboard as well as software.



IT406 FL2 BG

Model	IT406 FL2 BG	IT406 FL4	IT406 FLD4 FLD
Observation method	Brightfield, phase contrast and fluorescence	Brightfield and fluorescence	Brightfield and fluorescence
Head		45° inclined	
Eyepieces		WF 10×/22 mm	
Nosepiece		Quintuple	
Objectives	IOS LWD W-Plan PH 10×, 20× and 40×	IOS LWD U-Plan F 10×, 20× and 40×	
Stage	Fixed, 250×160 mm	Fixed (250×160 mm) and attachable mechanical stage (250×290 mm, movement: 120×80 mm)	
Condenser	Abbe, N.A. 0,30, slider for PH, WD = 72 mm, pre-centered, with diaphragm	Abbe, N.A. 0,30, WD = 72 mm, pre-centered, with diaphragm	
Focusing system		Coaxial coarse and fine knobs	
Illumination	Transmitted: LED (white, 8 W), with brightness control Epi-illumination: LED fluorescence cubes, with brightness control; 3-position filter holder	Transmitted: LED (white, 8 W), with brightness control Epi-illumination: LED fluorescence cubes, with brightness control; 4-position filter holder	
Camera			6 MP USB 3.0 camera with 12" monitor (1920×1080)
Sensor			CMOS
W×D×H	230×540×495 mm	365×540×495 mm	365×540×625 mm
Weight	10,5 kg	12 kg	13,5 kg

Description	Type	Model	Magnification	Additional features	Pk	Cat. No.
Microscopes						
Inverted microscope with IOS LWD W-Plan PH objectives	Trinocular	IT406 FL2 BG	10×, 20×, 40×	3-position filter holder, incl. blue + green LED fluorescence cubes	1	630-3254
Inverted microscope with IOS LWD U-Plan F objectives	Trinocular	IT406 FL4	10×, 20×, 40×	4-position filter holder (empty)	1	630-3255
Inverted digital microscope with IOS LWD U-Plan F objectives	Trinocular	IT406 FLD4 FLD	10×, 20×, 40×	6 MP Camera; 4-position filter holder (empty)	1	630-3256

Description	Optical features	Magnification	Pk	Cat. No.
LED fluorescence cubes				
Blue LED fluorescence cube for IT 406	LED emission 460 nm, Excitation filter 455-495 nm, Dichroic mirror cut-off 500 nm, Emission filter 510 LP nm		1	630-3257
Green LED fluorescence cube for IT 406	LED emission 523 nm, Excitation filter 510-550 nm, Dichroic mirror cut-off 570 nm, Emission filter 575 LP nm		1	630-3258
Violet LED fluorescence cube for IT 406	LED emission 405 nm, Excitation filter 390 - 420 nm, Dichroic mirror cut-off 440 nm, Emission filter 450 LP nm		1	630-3259
UV LED fluorescence cube for IT 406	LED emission 365 nm, Excitation filter 325 - 375 nm, Dichroic mirror cut-off 415 nm, Emission filter 435 LP nm		1	630-3260
Red 1 LED fluorescence cube for IT 406	LED emission 623 nm, Excitation filter 590 - 650 nm, Dichroic mirror cut-off 660 nm, Emission filter 665 LP nm		1	630-3261
Red 2 LED fluorescence cube for IT 406	LED emission 623 nm, Excitation filter 595-645 nm, Dichroic mirror cut-off 655 nm, Emission filter 665 - 715 nm		1	630-3262
Deep red LED fluorescence cube for IT 406	LED emission 660 nm, Excitation filter 623 - 678 nm, Dichroic mirror cut-off 685 nm, Emission filter 690 - 750 nm		1	630-3263
Far red LED fluorescence cube for IT 406	LED emission 740 nm, Excitation filter 720 - 760 nm, Dichroic mirror cut-off 770 nm, Emission filter 780 LP nm		1	630-3264
Amber LED fluorescence cube for IT 406	LED emission 590 nm, Excitation filter 582 - 603 nm, Dichroic mirror cut-off 610 nm, Emission filter 615 - 645 nm		1	630-3265
Accessories				
Mechanical stage for IT406 FL2 BG			1	630-3266
Eyepieces				
Widefield micrometer eyepiece with 0,1 mm division		10x/22 mm	1	630-1968
IOS LWD W-Plan objectives				
IOS LWD W-Plan objective		4x/0,13	1	630-2164
IOS LWD W-Plan objective		60x/0,70	1	630-2168
IOS LWD W-Plan PH objectives (phase contrast)				
IOS LWD W-Plan PH objective		4x/0,13	1	630-2719
IOS LWD W-Plan PH objective		10x/0,25	1	630-2165
IOS LWD W-Plan PH objective		20x/0,40	1	630-2166
IOS LWD W-Plan PH objective		40x/0,60	1	630-2167
IOS LWD U-Plan objectives for fluorescence applications, F series				
IOS LWD U-Plan F objective		10x/0,30	1	630-2706
IOS LWD U-Plan F objective		20x/0,45	1	630-2707
IOS LWD U-Plan F objective		40x/0,65	1	630-2708
IOS LWD U-Plan F objective		60x/0,75	1	630-2709
CCD camera adapters, VisiScope®				
CCD camera adapter, 1/3" sensor, for 500 series, 0,35x			1	630-1748
C-mount Adapter for Visiscope TL524; Focusable C-mount adapter (on upright and inverted microscopes)			1	630-1749
Holders				
Holder for Petri dishes, Ø: 38 mm (for 630-2698)			1	630-2697
Holder for Terasaki and Petri dishes, Ø: 65 mm			1	630-2698
Holder for slide and Petri dish, Ø: 54 mm			1	630-2699
Holder for 2+2 slides			1	630-2700
Holder for Utermöhl chamber (for 630-2699)			1	630-2701
Spare parts				
TNT dust cover, large, LxH: 700x550 mm (for models SZB360 OH, SZT360 OH and IT400 series)			1	630-2824

FLUORESCENCE MICROSCOPE, INVERTED TRINOCULAR, VISISCOPE® IT600 FLD

Routine inverted fluorescence microscope for transmitted brightfield, darkfield, phase contrast and fluorescence observations. Ideal for tissue culture research in clinical and biotechnology laboratories.

- No warm-up, cool-down times for 60 minute time saving
- High efficiency LED illumination with brightness control
- Interchangeable LED-Filtersets
- Condenser can be removed/ rotated to extend the working distance up to 220 mm
- Full range of objectives to choose, for highest flexibility

The extremely powerful LED Fluorescence Illuminators are combined with corresponding excitation filter sets for the visualization of most fluorochromes. LED fluorescence ensures unparalleled convenience eliminating warm-up/cool-down times and all the inconveniences related lamp replacement and adjustment. Transmitted light through the exclusive X-LED to ensure great-looking, rich and high-quality specimen view.

The 4-position epi-fluorescence attachment is powered by extremely powerful 5 W LEDs fluorescence illuminator and combined with blue, green and UV excitation filters for the visualization of the following fluorochromes: Acridine Yellow, Acridine Orange, Auramine, DiO, DTAF, FITC, GFP, YFP (blue filter) plus Rhodamine, Texas Red and TRITC (green filter) plus Alexa Fluor® 350, 7- Amino-4-methylcoumarin, 6-Aminoquinoline, Calcofluor® White, Dansyl cadaverine, DAPI, Dapoxyl, DIDS, Europium (III) Chloride, Fluoro-Gold™, Fura-2, Hoechst 33342 & 33258, 1,5 IAEDANS, Indo-1, Marina Blue®, 4-Methylumbelliferone, PBF1, Pyrene, SBFI, Y66F, Y66H (UV filter) among the others.

High-power 5 W LEDs with brightness control, motorized LED selection with centrable field diaphragm, 4-position filter holder; blue (EX 450-490, DM 495, EM 500-550), green (EX 540-580, DM 585, EM 608-682) and UV (EX 340-390, DM 400, EM 420LP) excitation filters included.

Objectives are sold separately.

Supplied ready to use with eyepieces, multi-plug power supply, dust cover and LEDs fluorescence illuminator, combined with blue, green and UV excitation filters.



IT600 FLD

Model	IT600 FLD
Observation method	Brightfield, darkfield, phase contrast and fluorescence
Head	45° inclined
Eyepieces	WF 10x/24 mm
Nosepiece	Quintuple, reversed
Stage	Fixed, 215x250 mm; attachable mechanical stage, 290x250 mm (movement: 120x80 mm)
Condenser	Abbe N.A. 0.50, removable, with iris diaphragm and slider for phase contrast
Focusing system	Coaxial coarse and fine knobs
Illumination	Transmitted: LED (white, 8 W) with brightness control; Epi-illumination: High-power 5 W LEDs with brightness control, 4-position filter holder; blue, green and UV excitation filters included
WxDxH	290x720x545 mm
Weight	13 kg

Type	Model	Additional features	Pk	Cat. No.
Microscope				
Trinocular	IT600 FLD	4-position filter holder, blue, green and UV filter included	1	630-3267

Description	Magnification	Pk	Cat. No.
Eyepieces			
Widefield micrometer eyepiece with 0,1 mm division	10x/22 mm	1	630-1968
IOS LWD W-Plan objectives			
IOS LWD W-Plan objective	4x/0,13	1	630-2164
IOS LWD W-Plan objective	40x/0,60	1	630-1764
IOS LWD W-Plan objective	60x/0,70	1	630-2168
IOS LWD W-Plan PH objectives (phase contrast)			
IOS LWD W-Plan PH objective	4x/0,13	1	630-2719
IOS LWD W-Plan PH objective	10x/0,25	1	630-2165
IOS LWD W-Plan PH objective	20x/0,40	1	630-2166
IOS LWD W-Plan PH objective	40x/0,60	1	630-2167
IOS LWD U-Plan objectives for fluorescence applications, F series			
IOS LWD U-Plan F objective	10x/0,30	1	630-2706
IOS LWD U-Plan F objective	20x/0,45	1	630-2707
IOS LWD U-Plan F objective	40x/0,65	1	630-2708
IOS LWD U-Plan F objective	60x/0,75	1	630-2709

Description	Magnification	Pk	Cat. No.
CCD camera adapters, VisiScope®			
CCD camera adapter, 1/3" sensor, for 500 series, 0,35x		1	630-1748
C-mount Adapter for Visiscope TL524; Focusable		1	630-1749
C-mount adapter (on upright and inverted microscopes)			
Holders			
Holder for Petri dishes, Ø: 38 mm (for 630-2698)		1	630-2697
Holder for Terasaki and Petri dishes, Ø: 65 mm		1	630-2698
Holder for slide and Petri dish, Ø: 54 mm		1	630-2699
Holder for 2+2 slides		1	630-2700
Holder for Utermöhl chamber (for 630-2699)		1	630-2701
Spare parts			
TNT dust cover, large, LxH: 700x550 mm (for models SZB360 OH, SZT360 OH and IT400 series)		1	630-2824

STEREO MICROSCOPE, VISISCOPE® STB150

Binocular stereo microscope equipped with turnable objective (2× to 4×), fixed arm with handle, and bright, uniform LED illumination (transmitted and incident). Designed for educational purposes.

- Adjustable dioptric compensation on both eyepiece tubes
- Interpupillary distance adjustable between 53 and 75 mm
- NiMH rechargeable battery for up to 8 hours of use
- Efficient LED energy saving lamp

Supplied ready to use with eyepieces, objective and dust cover.



Model	STB150
Observation method	Brightfield
Head	45° inclined
Eyepieces	WF 10×/20 mm
Objectives	Achromatic 2× - 4×
Magnification	20× - 40×
Working distance	57 mm
Interpupillary adjustment	53 - 75 mm
Stage	Semi-transparent plastic disc, with specimen clamps
Focusing system	Pair of knobs on each side of the stand
Illumination	LED (1 W)
Stand	Fixed, with focus and handle
W×D×H	183×205×288 mm
Weight	1,8 kg

Description	Type	Model	Pk	Cat. No.
Stereo microscope	Binocular	STB150	1	630-2942

Description	Magnification	Pk	Cat. No.
Eyepieces for stereo zoom microscopes, VisiScope®			
Widefield eyepieces	5× (22 mm)	2	630-1770
Accessories			
Micrometric slide, 26×76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Sample clip		1	630-1789
Microscope cleaning set			
Cleaning kit (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)		1	630-2081



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STEREO MICROSCOPES, VISISCOPE® 260

The cordless Visiscope® 260 series microscopes include binocular stereo microscope, binocular stereo zoom, and trinocular stereo zoom versions. Ideal for higher education and laboratory applications.

- Brightfield observation method for transmitted and incident light
- Greenough optical system
- 360° rotating head
- Long lasting EcoLED illumination
- Uses Ni-MH rechargeable batteries for up to 12 hours of working time

The stereo zoom models feature a parfocal achromatic zoom.

Supplied ready to use with eyepieces, objective, multi-plug power supply, dust cover and user manual, digital version (downloadable).



STB260

Model	STB260	SZB260	SZT260
Observation method	Brightfield		
Head	45° inclined, 360° rotating		
Eyepieces	WF 10×/21 mm		
Objectives	2× - 4×	-	
Magnification	20 - 40×	7 - 45×	
Zoom lens	-	0,7× - 4,5×	
Working distance	100 mm		
Interpupillary adjustment	45 - 71 mm	51 - 75 mm	
Stage	White diffusion plate for transmitted ill., with specimen clips		
Focusing system	Coarse with tension adjustment		
Illumination	EcoLED (incident and transmitted)		
Stand	Fixed arm with handle		
W×D×H	205×280×365 mm		
Weight	3,4 kg	3,5 kg	3,6 kg

Description	Type	Model	Magnification	Pk	Cat. No.
Stereo microscope with achromatic objectives	Binocular	STB260	20 - 40x	1	630-3072
Stereo zoom microscope	Binocular	SZB260	7 - 45x	1	630-3073
Stereo zoom microscope	Trinocular	SZT260	7 - 45x	1	630-3074

Description	Magnification	Pk	Cat. No.
Eyepieces for stereo zoom microscopes, VisiScope®			
Widefield eyepieces	10x (21 mm)	2	630-1779
Eyepieces	15x (15 mm)	2	630-1780
Widefield eyepieces	20x (10 mm)	2	630-1781
Widefield micrometric eyepiece	10x (21 mm)	1	630-1782
Cold light source, VisiLight® LED200			
Cold light source		1	631-1085
Cold light source, VisiLight® LED3 (without fan)			
LED cold light set with 2-arm gooseneck light guide (Ø = 3,2 mm, L = 400 mm)		1 SET	631-1103
Lenses for stereo microscopes, VisiScope®			
Lens for stereo microscopes	0,75x	1	630-1784
Accessories			
Micrometric slide, 26x76 mm, with two scales (1 mm/100 division for biological microscopes and 10 mm/100 division for stereo microscopes)		1	630-1650
Sample clip		1	630-1789
Eyecups (Ø = 95 mm)		1	630-1794
CCD camera adapters, VisiScope®			
C-mount adapter (stereomicroscopes), 0,35x focusable (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)		1	630-1792
C-mount Adapter for Visiscope SZT350, SZTL350; 0,5x focusable C-mount adapter (stereomicroscopes) (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)		1	630-1793
C-mount adapter (biological and stereomicroscopes), 1x focusable (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)		1	630-2960
Microscope cleaning set			
Cleaning kit (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)		1	630-2081

STEREO MICROSCOPE, VISISCOPE® SZT360-6

This compact Greenough stereo microscope with 6.72:1 zoom and 110 mm working distance is ideal for routine inspections in professional environments and laboratories.

- Plan eyepieces with 23 mm field of view; high eye-point type, also suitable for use with spectacles
- Double-adjustable incident and transmitted light (both LED) with separated brightness controls and 6300 K colour temperature
- Specimen stage is fitted with a diffusing disc for transmitted light, specimen clips and a black/white disc
- Pillar stand and ultra-flat base
- Rack and pinion focusing mechanism controlled by a pair of knobs placed on both sides of the stand

Supplied ready to use with eyepieces, zoom lens, dust cover and multi-plug power supply.



SZT360-6

Model	SZT360-6
Observation method	Brightfield
Head	45° inclined, 360° rotating
Eyepieces	WF 10×/23 mm
Zoom lens	Parfocal achromatic zoom 0,67× - 4,5×, with click-stop
Working distance	110 mm
Interpupillary adjustment	51 - 75 mm
Stage	With diffusing disc for transmitted light, specimen clips and a black/white disc
Focusing system	Pair of knobs on each side of the stand
Illumination	Incident illumination: 2 LEDs (3,6 W) on flexible gooseneck, 170 000 lux (10 cm) Transmitted illumination: 60 LEDs, 8000 lux (10 cm)
Stand	Pillar stand, Ø×H: 32×315 mm, base: 270×205×30 mm
W×D×H	210×270×315 mm
Weight	4,5 kg

Description	Type	Model	Pk	Cat. No.
Stereo microscope	Trinocular	SZT360-6	1	630-2982

Description	Pk	Cat. No.
Eyepieces for VisiScope® SZT360-6		
WF10×/23 eyepieces (pair), high eyepoint, with dioptic adjustment and rubber cup	1	630-2987
WF15×/16 eyepieces (pair), focusable and high eyepoint (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2988
WF20×/12 eyepieces (pair), focusable and high eyepoint (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2989
WF25×/9 eyepieces (pair), focusable and high eyepoint (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2990
WF10×/23 eyepiece, high eyepoint, with micrometric scale (10 mm/100 µm), dioptic adjustment and rubber cup	1	630-2991
Lenses for VisiScope® SZT360-6		
Additional lens 0,5× (w.d. 177 mm) (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2983
Additional lens 0,75× (w.d. 120 mm) (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2984
Additional lens 1,5× (w.d. 47 mm) (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2985
Additional lens 2× (w.d. 26 mm) (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2986
CCD camera adapters, VisiScope®		
C-mount adapter (stereomicroscopes), 0,35× focusable (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)	1	630-1792
Accessories		
White/black object-plate, 95 mm diameter (for models SZBL360, SZTL360, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-1795
Glass stage (Ø 95 mm)	1	630-1796

STEREO ZOOM MICROSCOPES, VISISCOPE® 360

Choose from a range of binocular and trinocular stereo zoom microscope heads for either basic or advanced requirements.

- Parfocal achromatic zoom
- Greenough optical system
- Available with or without illumination
- Stable, slim modern stand or long overhanging stand for observation of particularly large specimens
- Extended zoom range

Coarse focusing system (76 mm head holder, 32 mm pillar) with adjustable tension for standard stereo microscope requirements. Binocular head or trinocular head (split ratio: 50/50) feature 360° rotating on all stands and 45° inclined.

If illumination is needed, choose from the wide range of external illuminators available. Contact your Avantor representative for more information.



Stereo microscope, SZB360

Model	SZB360	SZT360	SZBL360	SZTL360	SZBL360-Plus	SZTL360-Plus	SZB360 OH	SZT360 OH
Head	45° inclined, 360° rotating							
Eyepieces	WF 10×/22 mm				WF 10×/23 mm		WF 10×/22 mm	
Working distance	110 mm							
Interpupillary adjustment	51 - 75 mm							
Focusing system	Coarse with tension adjustment							
Illumination	—	P-LED3 swivelling (3,6 W) with extra large, settable 12-LED P-LEDT1 disc (2 W) for transmitted			P-LED3 lighting system in 2 flexible gooseneck arms (3,6 W each, total of 7,2 W) with an extra large, settable 12-LED P-LEDT1 disc (2 W) for transmitted		—	
Stand	Base: 270×210 mm, pillar: Ø 32×250 mm			Base: 230×230 mm, pillar: Ø 32×435 mm				
Electrical	—	Multi-plug 100 - 240 VAC (models with illumination only)						—
Weight	1,4 kg		1,9 kg		2,4 kg		14 kg	

Description	Type	Model	Magnification	Illumination	Additional features	Pk	Cat. No.
Stereozoom microscope, for basic requirements	Binocular	SZB360	0,67x...4,5x	None	FN 22 high eyepoint eyepieces	1	630-3090
Stereozoom microscope, for basic requirements	Trinocular	SZT360	0,67x...4,5x	None	FN 22 high eyepoint eyepieces	1	630-3091
Stereozoom microscope, for basic requirements	Binocular	SZBL360	0,67x...4,5x	LED	FN 22 high eyepoint eyepieces	1	630-3084
Stereozoom microscope, for basic requirements	Trinocular	SZTL360	0,67x...4,5x	LED	FN 22 high eyepoint eyepieces	1	630-3085
Stereozoom microscope, for advanced requirements	Binocular	SZBL360-Plus	0,65x...5,5x	LED with two flexible gooseneck arms	FN 23 high eyepoint eyepieces	1	630-3088
Stereozoom microscope, for advanced requirements	Trinocular	SZTL360-Plus	0,65x...5,5x	LED with two flexible gooseneck arms	FN 23 high eyepoint eyepieces	1	630-3089
Stereozoom microscope with overhanging stand, for basic requirements	Binocular	SZB360 OH	0,67x...4,5x	None	FN 22 high eyepoint eyepieces	1	630-3086
Stereozoom microscope with overhanging stand, for basic requirements	Trinocular	SZT360 OH	0,67x...4,5x	None	FN 22 high eyepoint eyepieces	1	630-3087

Description	Pk	Cat. No.
Accessories		
WF10x/22 eyepiece, (pair), focusable and high eyepoint, for models 630-3084, 630-3085, 630-3086, 630-3087, 630-3090, 630-3091	1	630-3094
WF10x/23 eyepiece, (pair), focusable and high eyepoint, for models 630-3088, 630-3089	1	630-3095
WF10x/22 eyepiece, with micrometric scale, focusable and high eyepoint, for models 630-3084, 630-3085, 630-3086, 630-3087, 630-3090, 630-3091	1	630-3096
WF10x/23 eyepiece, with micrometric scale, focusable and high eyepoint, for models 630-3088, 630-3089	1	630-3097

COLD LIGHT SOURCE, VISILIGHT® LED200

This high power 14 W LED source provides a pure-white light (6300 K).

- Brightness control
- Illumination (at 100 mm): 70 000 lux
- Dual gooseneck light guide (L = 500 mm)

WxD: 120x200 mm

Weight: 4,1 kg

Supplied with a multi-adapter power supply (EU, UK).



Description	Model	Output (W)	Pk	Cat. No.
Cold light source	VisiLight® LED200	14	1	631-1085

COLD LIGHT SOURCE, VISILIGHT® LED3 (WITHOUT FAN)

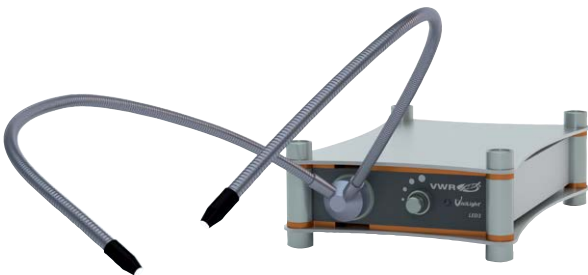
The passively-cooled VisiLight® LED3 cold light source, with fanless cooling system, can be used for a variety of applications, such as quality assurance, industrial endoscopy, machine vision, and is ideal for cleanroom applications. This LED cold light source is characterised by superior finishing quality. Due to the environmentally friendly LED technology, they are durable and perform efficiently. Despite the passive-cooling system, without fan, it easily surpasses the brightness of a 150 W halogen cold light source.

- Modern design with rugged, anodised aluminium housing
- Environmentally friendly LED technology with flicker-free illumination
- 36 W power consumption, luminous intensity (730 lm*) outperforms 150 W halogen

WxDxH: 174x259x81 mm

Weight: 3,7 kg

Supplied with a multi-adapter power supply (EU, UK, US).
LED lifespan of 50000 hours. Versions in other colour temperatures, or with high CRI, are available on request, please contact your local Avantor sales office for details.



VisiLight LED3

Description	Output (W)	Pk	Cat. No.
LED cold light source, 5700 K, 730 lm with a light guide of active Ø = 9 mm and L = 1 m	36	1	631-1100
LED cold light set with 2-arm gooseneck light guide (Ø = 3,2 mm, L = 400 mm)	30	1 SET	631-1103

Description	Pk	Cat. No.
Gooseneck light guides		
2-arm gooseneck light guide (active Ø = 3,2 mm, L = 400 mm)	1	631-0933
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 600 mm)	1	631-1107
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 450 mm)	1	631-1752
Fibre optic ring light		
Fibre optic ring light (inner Ø = 66 mm / L = 750 mm)	1	631-1753



LED70

HIGH POWER COLD LIGHT SOURCE, VISILIGHT® LED70 (WITHOUT FAN)

This fanless cold light source with passive cooling system and compact and stable aluminium housing provides an optimal and homogenous illumination of the light guide. It is therefore ideal for high speed recordings in a variety of applications, such as quality assurance, industrial endoscopy, machine vision, and cleanroom applications. The brightness exceeds by far the brightness of a conventional 250 W halogen light source. Expected LED lifespan of 50 000 hours.

- 1500 lm at the end of the light guide
- Fanless, passive cooling system, for a noiseless and vibration-free operation
- No contamination of the cooling system
- Analogue brightness control from 0 to 100% (flicker-free)
- Blinding protection by light guide detection
- Triple-thermal fuse
- Integrated power supply
- Optional handle for more flexibility

WxDxH: 230x283x116 mm

Weight: 5,2 kg

* lm = luminous flux (light guide Ø = 9 mm and L = 1 m)

Description	Pk	Cat. No.
High power LED cold light source, fanless, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with EU plug	1	631-1249
High power LED cold light source, fanless, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with UK plug	1	631-1252
High power LED cold light source, fanless, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with CH plug	1	631-1253
Description	Pk	Cat. No.
Set with fibre optic gooseneck light guide (Ø = 4,5 mm, L = 450 mm)		
High power LED cold light source, fanless, incl. light guide, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with EU plug	1	631-1254
High power LED cold light source, fanless, incl. light guide, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with UK plug	1	631-1256
High power LED cold light source, fanless, incl. light guide, VisiLight® LED70, 70 W, 6900 K, 1500 lm*, with CH plug	1	631-1257
Description	Pk	Cat. No.
Gooseneck light guides		
2-arm gooseneck light guide (active Ø = 3,2 mm, L = 400 mm)	1	631-0933
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 600 mm)	1	631-1107
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 450 mm)	1	631-1752
Focus optic for fibre optic light guide	1	631-1763
Fibre optic ring light		
Fibre optic ring light (inner Ø = 66 mm / L = 750 mm)	1	631-1753
Accessories		
Ring light adapter (inner Ø = 64 mm)	1	631-0957
Ring light adapter (inner Ø = 62 mm)	1	631-0956
Ring light adapter (inner Ø = 60 mm)	1	631-0955
Ring light adapter (inner Ø = 58 mm)	1	631-1782
Ring light adapter (inner Ø = 57 mm)	1	630-1880
Ring light adapter (inner Ø = 54 mm)	1	630-1883
Ring light adapter (inner Ø = 50 mm)	1	631-1779



LED8

HIGH POWER COLD LIGHT SOURCE, VISILIGHT® LED8

This cold light source with compact and stable aluminium housing and temperature fan control provides an optimal and homogenous illumination of the light guide. It is therefore ideal for high speed recordings in a variety of applications, such as quality assurance, industrial endoscopy, machine vision, and cleanroom applications. The brightness exceeds by far the brightness of a conventional 250 W halogen light source. Expected LED lifespan of 50 000 hours.

- 1600 lm at the end of the light guide
- Temperature fan control for minimal noise disruption
- Analogue brightness control from 0 to 100% (flicker-free)
- Blinding protection by light guide detection
- Triple-thermal fuse
- Integrated power supply
- Stackable and space-saving

WxDxH: 200x273x116 mm

Weight: 2,3 kg

* Luminous flux (Light guide Ø = 9 mm and L = 1 m)

Description	Pk	Cat. No.
High power LED cold light source, VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with EU plug	1	631-1258
High power LED cold light source, VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with UK plug	1	631-1260
High power LED cold light source, VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with CH plug	1	631-1261
Description	Pk	Cat. No.
Set with fibre optic gooseneck light guide (Ø = 4,5 mm, L = 450 mm)		
High power LED cold light source incl. light guide (2-armed), VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with EU plug	1	631-1262
High power LED cold light source incl. light guide (2-armed), VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with UK plug	1	631-1264
High power LED cold light source incl. light guide (2-armed), VisiLight® LED8, 80 W, 6900 K, 1600 lm*, with CH plug	1	631-1265
Description	Pk	Cat. No.
Gooseneck light guides		
2-arm gooseneck light guide (active Ø = 3,2 mm, L = 400 mm)	1	631-0933
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 600 mm)	1	631-1107
2-arm gooseneck light guide (active Ø = 4,5 mm, L = 450 mm)	1	631-1752
Focus optic for fibre optic light guide	1	631-1763
Fibre optic ring light		
Fibre optic ring light (inner Ø = 66 mm / L = 750 mm)	1	631-1753
Accessories		
Ring light adapter (inner Ø = 64 mm)	1	631-0957
Ring light adapter (inner Ø = 62 mm)	1	631-0956
Ring light adapter (inner Ø = 60 mm)	1	631-0955
Ring light adapter (inner Ø = 58 mm)	1	631-1782
Ring light adapter (inner Ø = 57 mm)	1	630-1880
Ring light adapter (inner Ø = 54 mm)	1	630-1883
Ring light adapter (inner Ø = 50 mm)	1	631-1779

LED ILLUMINATION, VISILIGHT® P-LED10

The VisiLight® P-LED10 light source features two flexible arms with high efficiency LEDs (3,6 W).

- Brightness control system
- Two flexible arms (L = 60 cm)
- Illuminance (at 10 cm): 170 000 lux
- Luminous flux: 400 lm each arm
- Colour temperature: Pure white (6300 K)

Supplied with a multi-plug power supply (EU, UK).



Description	Pk	Cat. No.
Double-arm illumination, VisiLight® P-LED10	1	631-1086

LED INCIDENT LIGHTS, VISILIGHT® I-LED

VisiLight® I-LED incident lights, with the unique 'modul-LED®' concept, makes it easy to adapt light colour and beam angle to any application simply by exchanging the LED modules. Thanks to the flexible gooseneck arms, the light can be directed where it is needed.

- Suitable for positioning on a stand, attach to a microscope, or fix to a wall (using optional accessories)
- Include module(s) with 6000 K spot optic (3 W LED)
- User friendly intensity control unit with memory function

W×D×H: 80×40×56 mm

Other light optics, colour temperatures, colours or UV versions are available on request, please contact your local VWR sales office for further details.

Supplied with one or two LED modules (pure white, with 3 W spot optic, average LED lifespan ~50 000 operating hours) and multi-plug power supply (EU, US, UK) with 1,4 m cable.



Description	Pk	Cat. No.
LED illumination spot, VisiLight® I-LED 1 arm (L = 450 mm)	1	631-1754
LED illumination spot, VisiLight® I-LED 2 arms (each L = 450 mm)	1	631-1755
LED illumination spot, VisiLight® I-LED 2 arms (each L = 450 mm), with table stand	1	631-1271

Description	Pk	Cat. No.
LED modules for VisiLight® T-LED and I-LED		
LED module: Diffuse optic, pure white, 6000 K	1	631-1009
LED module: Flood optic, pure white, 6000 K	1	631-1003
LED module: Line optic, pure white, 6000 K	1	631-1015
LED module: Spot optic, pure white, 6000 K	1	631-0997
Accessories		
Microscope stand and holder, 200 mm	1	631-1770
Holder for stereo microscope stand, Ø 25 mm	1	631-1776
Holder for stereo microscope stand, Ø 32 mm	1	631-1777
Wall holder	1	631-1778
Table stand for VisiLight® I-LED	1	631-1269

LED RING LIGHTS, VISILIGHT® R-LED 66 / R-LED 66-S40

The VisiLight® R-LED 66 ring light, with its innovative design, is adapted to precise lighting tasks. The 48 bright LED's provide homogeneous, flicker-free illumination. Suitable for most commercial microscopes (inner Ø = 66 mm down to outer Ø = 50 mm), adapters available.

- Available in pure white and neutral white colour temperature
- Energy efficient lighting system (7 W) with long lifespan (~50 000 hours)
- Basic model: Table control with easy to use dimming knob
- Four segment model: Flexible dimming of each segment

Inner Ø 66 mm, outer Ø 100 mm

WxDxH: 92x40x41 mm

The VisiLight® R-LED ring light is also available for inner diameters up to 74 mm. Please contact your local VWR sales office for further details.

Supplied with a multi-adapter power supply (EU, US, UK) and power cable (140 cm). Adapters with reducing rings can be ordered separately.



R-LED 66

Description	Model	Pk	Cat. No.
Standard models			
LED ring light, pure white (6500 K)	R-LED-66	1	631-1144
LED ring light, neutral white (5600 K)	R-LED-66	1	631-1145
4-segment models			
LED ring light, 4-segment, pure white (6500 K)	R-LED-66-S40	1	631-1266
LED ring light, 4-segment, neutral white (5600 K)	R-LED-66-S40	1	631-1267

Description	Pk	Cat. No.
Accessories		
Polarisation filter set	1	631-1148
Frosted glass diffuser for R-LED-66	1	631-1268
Ring light adapter (inner Ø = 64 mm)	1	631-0957
Ring light adapter (inner Ø = 62 mm)	1	631-0956
Ring light adapter (inner Ø = 60 mm)	1	631-0955
Ring light adapter (inner Ø = 58 mm)	1	631-1782
Ring light adapter (inner Ø = 57 mm)	1	630-1880
Ring light adapter (inner Ø = 54 mm)	1	630-1883
Ring light adapter (inner Ø = 50 mm)	1	631-1779

LED RING LIGHT, VISILIGHT® RL20

The VisiLight® RL20 is designed for precise lighting tasks with intensity light control.

- Luminous flux: 500 lumen
- Illuminance (at 10 cm distance): 6000 lux (Ø 10 cm)
- Illumination settings: Omnidirectional (ring completely on), oblique (only a quarter or half ring switched on)

Supplied with fixing ring (int. Ø 60 mm) for mounting on stereo heads and a multi-adapter power supply (EU, UK) with built-in illumination controls.



Description	Model	Pk	Cat. No.
LED ring light	VisiLight® RL20	1	630-2676

EYEPiece CAMERA

This USB camera fits into the eyepiece tube of biological binocular and monocular microscopes. This enables users to digitise images even when the microscope does not have a trinocular port.

- For 23/30 mm eyepieces
- Automatic exposure control and white balance
- Can also be fitted to stereo microscopes
- Includes software for image analysis and processing

Supplied with USB cable, ring adapters (30 and 30,5 mm), CD ROM with image analysis software and documentation.



Colour depth	8 bit
Frame rate	7,5 fps @ 1280×1024 12,5 fps @ 1024×768
Interfaces	USB 2.0
Pixel size	3,6×3,6 µm
Sensor	APTINA Color
Sensor size	1/3"
Weight	300 g
W×D×H	Ø27,2 × Ø23,2 × 40 mm

Description	Resolution	Sensor type	Pk	Cat. No.
Eyepiece USB camera	1,3 MP	CMOS	1	611-2257



VWR® VisiCam® B5

DIGITAL USB CAMERA, VISICAM® B5

VisiCam B5 is a C-mount and eyepiece microscope camera.

- C-mount connection for use on trinocular ports
- Intuitive, flexible and easy to use

Recommended for educational and routine applications.

Supplied with software, calibration slide, USB cable (1,8 m), and eyepiece adapters for binocular and monocular microscopes (30 and 30,5 mm diameter).

Model	B5
Exposure time	0,294 ms - 2 s
Frame rate	7 fps (full resolution)
Image format	4/3
Interfaces	USB 2.0
Pixel size	2,2×2,2 µm
Pixels (W×H)	2592×1944
Sensor	Aptina CMOS
Sensor size	1/2,5"
Software	VisiCam Vision Lite Soft
Supported OS	Windows® 7, 8, 10, XP, Vista; macOS from 10.7.5; Linux
Weight	180 g
W×D×H	58×58×36 mm

Description	Model	Resolution	Sensor type	Pk	Cat. No.
Digital camera	B5	5,1 MP	CMOS	1	630-2957

Description	Pk	Cat. No.
CCD camera adapters, VisiScope®		
C-mount Adapter for Visiscope TL524; Focusable C-mount adapter (on upright and inverted microscopes)	1	630-1749



VWR® VisiCam® P6

DIGITAL USB CAMERA, VISICAM® P6

High performance camera with advanced software for different observation methods.

- High class sensor for reliable colours
- Specimens are captured in 'true to life', accurate colours
- High sensitivity and low noise
- C-mount connection
- Long exposure time
- Calibration slide for measurement baselines

This camera fulfils demanding needs in both basic and research level applications.

Downloadable software suite.

Supplied with calibration slide and USB cable (1,5 m).

Model	P6
Exposure time	0,1 ms - 15 s
Frame rate	30 fps
Image format	3/2
Interfaces	USB 3.0
Pixel size	2,4×2,4 µm
Pixels (W×H)	3072×2048
Sensor	Sony Exmor CMOS
Sensor size	1/1,8"
Software	Vision Lite, Lite View and Pro View
Supported OS	Windows®, Mac OS; Linux
Weight	265 g
W×D×H	68×68×46 mm

Description	Model	Resolution	Pk	Cat. No.
USB camera	P6	6,3 MP	1	630-2958

Description	Pk	Cat. No.
CCD camera adapters, VisiScope®		
C-mount projection lens, 0,5×	1	630-1644
C-mount Adapter for Visiscope TL524; Focusable C-mount adapter (on upright and inverted microscopes)	1	630-1749
C-mount Adapter for Visiscope SZT350, SZTL350; 0,5× focusable C-mount adapter (stereomicroscopes) (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)	1	630-1793

DIGITAL USB CAMERAS, VISICAM® PLUS

These cameras provide high resolution images for everyday microscopy.

- Extremely reliable colour fidelity
- Automatic exposure and white balance for clear images
- USB 3.0 connection for high speed data transfer
- Standard C-mount optical port
- Includes software for previewing and capturing images and video for analysis and processing

With the correct C-mount for your microscope and camera, it fits to any microscope in educational, industrial or clinical use.

Required software can be downloaded online below «Related information».

Supplied with USB cable, eyepiece adapter (Ø 23 mm), ring adapters (Ø 30 and 30,5 mm), calibration slide, CD ROM with software and user manual.



VisiCam® Plus

Model	VisiCam 3 Plus	VisiCam 5 Plus	VisiCam 16 Plus	VisiCam 6 Plus	VisiCam 20 Plus	VisiCam 32 Plus
Colour depth	8 bit				8/12 bit	
Exposure time	0,1 ms - 2 s			0,1 ms - 15 s		
Frame rate	27 fps (@ 2048×1534) 15 fps (@ 1027×770)	14 fps (@ 2560×1922) 38 fps (@ 1280×960) 101 fps (@ 640×480)	6 fps (@ 4632×3488) 15 fps (@ 2320×1740) 26 fps (@ 1536×1160)	30 fps (@ 3072×2048) 38 fps (@ 1536×1024)	15 fps (@ 5440×3648) 50 fps (@ 2736×1824)	8,1 fps (@5600×5600); 30 fps (@2800×2800); 30 fps (@1400×1400)
Interfaces	USB 3.0 (compatible with USB 2.0)					
Pixel size	2,2×2,2 µm		1,355×1,355 µm	2,4×2,4 µm		2.315×2.315 µm
Sensor	APTINA AR0330	APTINA MT9P006 CMOS	Panasonic MN34120 CMOS	SONY Exmor IMX178	SONY Exmor IMX183	SONY Exmor
Sensor size	1/3"	1/2,5"	1/2,33"	1/1,8"	1"	1,15"
Software	VisiCam Image analyser (included)					WaveImage (included)
Supported OS	Windows® 7, 8, 10, XP / Mac OSX / Linux					Windows® 7, 8, 10, XP / Mac OSX / Linux
Weight	300 g			800 g		
W×D×H	68×68×46 mm					

Description	Model	Resolution	Sensor type	Pk	Cat. No.
Plug-and-play digital camera (no drivers needed)	VisiCam® 3 Plus	3,1 MP	CMOS	1	630-2737
Plug-and-play digital camera (no drivers needed)	VisiCam® 5 Plus	5,1 MP	CMOS	1	630-2738
Digital camera with drivers	VisiCam® 16 Plus	16 MP	CMOS	1	630-2919
Digital camera with drivers	VisiCam® 6 Plus	6,3 MP	CMOS	1	630-2974
Digital camera with drivers	VisiCam® 20 Plus	20 MP	CMOS	1	630-2973
Digital camera with drivers	VisiCam® 32 Plus	32 MP	CMOS	1	630-3357

Description	Pk	Cat. No.
Camera adapters for VisiCam®		
C-mount adapter for 1/3" sensor	1	630-2720
C-mount adapter, focusable, 0,65x (for VWR fluorescence inverted microscope)	1	630-2946
CCD camera adapters, VisiScope®		
C-mount projection lens, 0,5x	1	630-1644
CCD camera adapter, 1/3" sensor, for 500 series, 0,35x	1	630-1748
C-mount Adapter for Visiscope TL524; Focusable C-mount adapter (on upright and inverted microscopes)	1	630-1749
C-mount adapter (stereomicroscopes), 0,35x focusable (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)	1	630-1792
C-mount Adapter for Visiscope SZT350, SZTL350; 0,5x focusable C-mount adapter (stereomicroscopes) (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)	1	630-1793
C-mount adapter (biological and stereomicroscopes), 1x focusable (for models SZTL360, SZT360 OH, SZTL360-Plus, SZT360)	1	630-2960
C-mount projection lens, 0,75x	1	630-2993

CAMERAS

HDMI CAMERAS FOR USE WITH OR WITHOUT PC

DIGITAL HDMI AND HDMI/USB CAMERAS, VISICAM®

High speed cameras with excellent colour reproduction for routine applications.

- Automatic and/or manual exposure control
- Easy to use mouse-controlled sensor
- No PC software requirement with HDMI mode

Recommended for education, industrial quality control and all laboratories.

Includes a mouse, SD card and HDMI cable.



HDMI5

Model	HDMI5	HDMI8	HE
Exposure time	1 ms - 10 s	0.04 ms - 1 s	0,06 ms - 1,9 s
Frame rate	15 fps	30 fps @ 1920×1080 (HDMI); 30 fps @ 3840×2160 (USB)	30 fps
Interfaces	HDMI, USB 2.0		HDMI
Memory	4 GB (SD)	16 GB (SD)	
Pixel size	2,2×2,2 µm	1,45×1,45 µm	2,8×2,8 µm
Pixels (W×H)	2592×1944	3840×2160	1280×720
Power supply	DC 12 V, 1 A		
Sensor	CMOS Aptina MT9P031	Sony IMX415	CMOS Aptina
Sensor size	1/2,5"	1/2,8"	1/1,8"
Software	VisiCam Image analyser	WavelImage software plus embedded XCamView application	–
Supported OS	Windows XP / Win Vista / Win 7 / Win 8 / Win 10 / MAC OSx	Windows® 7, 8, 10, XP / Mac OSX / Linux	
Weight	450 g		500 g
W×D×H	95×78×71 mm	78×70×92 mm	88×78×65 mm

Description	Model	Resolution	Sensor type	Pk	Cat. No.
Digital camera	HDMI5	5 MP	CMOS	1	630-2947
Digital camera	HDMI8	8 MP	CMOS	1	630-3358
Digital camera	HE	1 MP	CMOS	1	630-2967

Description	Pk	Cat. No.
CCD camera adapters, VisiScope®		
C-mount projection lens, 0,5×	1	630-1644
C-mount Adapter for Visiscope TL524; Focusable C-mount adapter (on upright and inverted microscopes)	1	630-1749
Accessories		
Calibration slide with circles and ruler	1	630-1123

DIGITAL CAMERA, C-WF

Wi-Fi camera with good resolution (up to 5 MP), CMOS sensor and Wi-Fi connection, recommended for basic/general applications in education and home use. Work in a fully interactive, flexible and dynamic digital classroom and maximize the efficiency of learning processes.

- Ideal for interactive, flexible and dynamic learning processes
- Simple, intuitive operation with powerful software
- Universal connection to any microscope brand
- Direct eyepiece and trino port connection
- Up to 5 MP images
- Wi-Fi interface
- Direct Wi-Fi connection (no router is required)
- Connectable to PC, smartphones, tablets and any other device
- Supported by any device (PC, tablet or smartphone)
- Image and video capturing function when used in Wi-Fi mode
- Reliable colour fidelity
- C-mount projection lens and rings included

Ready to use on any microscope with direct eyepiece tube connection, thanks to the C-mount projection lens and rings included. Connectable also to all the trinocular tube of different brands using the C-mount projection lens included or additional focusable C-Mount adapter.

Downloadable, free of charge software (Windows, Mac OS or Linux) is always available to enable the latest updates.



Digital camera, C-WF

Model	C-WF
Colour depth	8 bit
Computer requirements	CPU: Intel Core 2 - 2.8 GZ or higher; PC RAM: 2 GB or more; PC USB 2.0
Exposure time	Auto
Frame rate	10@1280x720 [full resolution (fps)]
Image format	16/9
Power supply	5 V, 0,5 A (camera power)
Sensitivity	1 V/lux-sec
Sensor size	1/2,5"
Signal-to-noise ratio	43 dB
Supported OS	Windows 7, Windows 8, Windows 10 (32 bit), Windows 10 (64 bit) Osx (MAC Osx) starting from 10.7.5 (only LITEVIEW), Android

Description	Resolution	Sensor type	Pk	Cat. No.
C-WF camera with 5 MP, Wi-Fi, and multi-plug	2592x1944 (pixels)	CMOS	1	630-3271

TABLET WITH CAMERA, VISICAM® TC 210

This Windows® tablet PC with large LCD touch screen and integrated 5,1 MP camera provides an advanced solution for digital microscopy. For use with any trinocular microscope with C-mount adapter.

- Easily detachable, can be used as a laptop (keyboard not included)
- Powerful Intel processor for top performance and speed
- High resolution and vivid colour graphic display

The imaging software allows live display, image capture, video recording, image size, colour enhancement, brightness gain and data export to PDF or Excel formats.

Tablet specifications:

Operating system: Windows 10, 32-bit

CPU: Intel® Atom™ Z3735F, Quad core

CPU speed: 1,44 GHz

Graphic Card: Intel® HD Graphics 3D Accelerator

RAM 2048 GB DDR3L

Connections: Micro USB-B, USB, microphone, micro SD card reader, mini HDMI and headphones

Network: Wireless, Bluetooth 4,0

WxDxH: 257x105x174 mm

Keyboard for tablet is sold separately.

Supplied with PROVIEW software, C-mount adapter for 23 mm tube, calibration slide, USB cable, touch pad and touch pen.



VWR® VisiCam® TC 210

Model	TC 210 (camera)
Display	25 cm (10")
Exposure time	0,294 ms to 2 s
Frame rate	7 fps (full resolution)
Image format	4/3
Interfaces	USB 2.0
Pixel size	2,2x2,2 µm
Power supply	Via USB
Sensor	Aptina CMOS
Sensor size	1/2,5"
Signal-to-noise ratio	40,5 dB

Description	Model	Resolution	Sensor type	Pk	Cat. No.
Tablet with camera	TC 210	5,1 MP	CMOS	1	630-2678
Description				Pk	Cat. No.
Accessories					
Keyboard for tablets				1	630-3129

TABLET WITH CAMERA, WIRELESS, VISICAM® TC 20 PLUS

This system is composed of a tablet and a wireless 5 MP camera. It can be attached to all microscopes with a C-mount.

- No need for a computer
- Wireless connection between tablet and camera: Tablet can be used in any position
- Images can be shared immediately through wireless network
- Tablet with user friendly 10,1" touch screen display
- Quick and easy creation of data reports

Image analysis software pre-installed on the tablet has been developed so that user experience is easy and intuitive. The software allows preview, image capture, video recording, measuring, annotations, image parameters adjustment, data export to PDF or Excel, counting, multi-user password protected, quick sharing of images and reports.

Tablet specifications:

Operating system: Android OS

CPU: Processor Intel® Atom™ Z3745, 1,33 GHz, Quad Core

RAM: 1024 MB

Display: LCD high definition 10,1", multi-touch

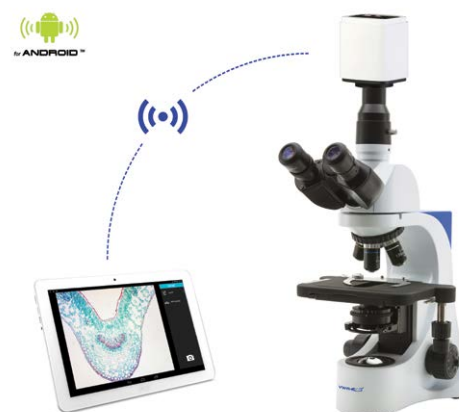
Memory: HD SSD 16 GB

Network: Wireless, Bluetooth

Supplied with multilingual software for image capture and analysis, power supply (with EU, UK, US plugs) calibration slide and table support for the tablet.



VWR® VisiCam® TC20 Plus



VWR® VisiCam® TC20 Plus

Model	TC 20 Plus (camera)
Display	High definition LCD (10,1")
Frame rate	5 fps
Interfaces	USB 2.0, WiFi
Pixels (W×H)	1280×800
Power supply	Via USB
Sensor	CMOS
Sensor size	1/2,5"
Software	VisiCam Image analyser (included)

Description	Model	Resolution	Sensor type	Pk	Cat. No.
Tablet with camera	TC 20 Plus	5 MP	CMOS	1	630-2661

Description	Pk	Cat. No.
Eyepiece adapters		
Eyepiece adapter, 0,45x, Ø: 23/30 mm	1	630-2674
Eyepiece C-mount adapter, 0,5x, Ø: 30 mm	1	630-1121
Accessories		
Anti-theft device for TC 20 Plus, incl. lockable holder, cable and stand which can be fixed/screwed to the bench	1	630-2591
Calibration slide with circles and ruler	1	630-1123
HDMI cable	1	630-2590
D-sub 15-pin cable	1	630-2592

TRANSPORT CASES FOR MICROSCOPES

Ideal for microscope protection.

- Tailor-made models
- Robust and shock resistant
- Entire protection make it suitable for travelling



Description	Pk	Cat. No.
Wooden case with lock, 270×340×460 mm	1	630-1810

Camera	VisiCam P6 (1/1.8")	VisiCam B5 (1/2.5")	VisiCam HE (1/3")	Tablet TC210 (1/2.5")	VISICAM 85	VISICAMUWH5	
VisiScope Model							
ML100 - BL100 SERIES	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	
BL250 SERIES	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	
TL250 SERIES	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	
BL380 SERIES	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	
TL380 SERIES	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
TL500 SERIES	630-1644 (0.5x C-Mount projection lens) M-114	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
TL824BF, TL824PH	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
IT415 SERIES	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
IT406 SERIES	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
IT600 SERIES	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1748 (0.35x focusable C-Mount adapter) M-620	
STB150	630-1644 (0.5x C-Mount projection lens) M-114 + ring Ø 30.5 mm M-113.2	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115 + ring Ø 30.5 mm M-113.2	included with the camera	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114 + ring Ø 30.5 mm M-113.2	
STB260 & SZB260	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-2412 (ring Ø 30 mm) M-113.1	included with the camera	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-2412 (ring Ø 30 mm) M-113.1	included with the camera	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-2412 (ring Ø 30 mm) M-113.1	
SZT260	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	
SZ0-6 (nostro SZ0-T+SZ-ST8+SZ-A1) SZT360-6	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	
SZBL360, SZB360 OH, SZBL360 -Plus, SZB360	630-1644 (0.5x C-Mount projection lens) M-114 + 630-2412 (ring Ø 30 mm) M-113.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1644 (0.5x C-Mount projection lens) M-114 + 630-2412 (ring Ø 30 mm) M-113.1	
SZTL360, SZT360 OH, SZTL360 -Plus, SZT360	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1644 (0.5x C-Mount projection lens) M-114 + 630-1747 (Adapter tube) M-699	



630-1748
0.35x focusable C-mount adapter



630-1644
0.37x C-Mount projection lens



630-1749
0.5x focusable C-mount adapter



630-2720
0.5x C-mount projection lens

	VisiCam 3 plus (1/3')	VisiCam HDMI6 (1/2.8')	VisiCam HDMI8 (1/2.8')	Tablet system TC20plus (1/2.5'), VisiCam HDMI5 (1/2.5')	VisiCam 5 plus (1/2.5'), VisiCam 16 plus (1/2.33')	VisiCam 6 plus (1/1.8')	VisiCam 20 plus (1'), VisiCam 32 plus (1.15'), VisiCam PRO 20C (1')	
	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	included with the camera	included with the camera	ML100 - BL100 SERIES
	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	6630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	included with the camera	included with the camera	BL250 SERIES
	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	included with the camera	included with the camera	TL250 SERIES
	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114	included with the camera	included with the camera	included with the camera	BL380 SERIES
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	TL380 SERIES
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	TL500 SERIES
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	TL824BF, TL824PH
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	IT415 SERIES
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	IT406 SERIES
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	IT600 SERIES
	included with the camera	630-2720 (0.37x C-Mount projection lens) M-115 + Ring Ø30.5 mm (M-113.2)	included with the camera	630-1644 (0.5x C-Mount projection lens) M-114 + Ring Ø30.5 mm M-113.2	included with the camera	included with the camera	included with the camera	STB150
	included with the camera	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + Ring Ø30 mm 630-2412	included with the camera	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-2412 (ring Ø30 mm) M-113.1	included with the camera	included with the camera	included with the camera	STB260 & SZB260
	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1644 (0.5x C-Mount projection lens) M-114 + Adapter tube 630-1747 (M-699)	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	SZT260
	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1644 (0.5x C-Mount projection lens) M-114 + Adapter tube 630-1747 (M-699)	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-2960 (1x focusable C-Mount adapter) M-620.3 + 630-1747 (Adapter tube) M-699	SZO-6 (nostro SZO-T+SZ-ST8+SZ-A1) SZT360-6
	630-1748 (0.35x focusable C-Mount adapter) M-620	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-1749 (0.5x focusable C-Mount adapter) M-620.1	630-2960 (1x focusable C-Mount adapter) M-620.3	SZBL360, SZB360 OH, SZBL360 -Plus, SZB360
	630-2720 (0.37x C-Mount projection lens) M-115 + 630-1747 (Adapter tube) M-699	630-1644 (0.5x C-Mount projection lens) M-114 + Adapter tube 630-1747 (M-699)	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-1749 (0.5x focusable C-Mount adapter) M-620.1 + 630-1747 (Adapter tube) M-699	630-2960 (1x focusable C-Mount adapter) M-620.3 + 630-1747 (Adapter tube) M-699	SZTL360, SZT360 OH, SZTL360 -Plus, SZT360



630-2960
1x focusable C-mount adapter



630-1747
Adapter tube



630-2412
ring Ø 30 mm

MICROSCOPE CLEANING SET

This cleaning set includes:

- Lens liquid
- Cotton sticks (x5)
- Anti-static cloth (18x15 cm)
- Smart wipes (x2)
- Air pump



Description	Pk	Cat. No.
Cleaning kit (for models SZBL360, SZTL360, SZB360 OH, SZT360 OH, SZBL360-Plus, SZTL360-Plus, SZB360, SZT360)	1	630-2081

LENS CLEANING TISSUES, GRADE 541

Suitable for cleaning various optical lenses such as objectives, binoculars, magnifying glasses, spectacles, as well as optical fibre filaments.



Description	LxW (mm)	Packed	Pk	Cat. No.
Lens cleaning tissues	80x100	1x500 sheets	500	111-5003
Lens cleaning tissues	100x150	25x25 sheets	625	111-5004

PREPARED SLIDES: GENERAL BIOLOGY

Set of prepared slides for educational purposes, to better understand general biology.

- Unicellular animal i.e. amoeba or other
- Paramecium (w.b.)
- Hydra (w.b.)
- Daphnia (w.b.)
- Lumbricus, earthworm (c.s.)
- House fly mouth (w.b.)
- Honey bee mouth (w.b.)
- Honey bee hind leg
- Three bacteria smears
- Simple flat epithelium (w.b.)
- Skeletal muscle (l.s. and c.s.)
- human blood smear
- Frog blood smear
- Lung section
- Artery and vein (c.s.)
- Human skin section through hair follicle
- Spirogyra conjugation (w.b.)
- Volvox (w.b.)
- Moss (w.b.)
- Mitosis, onion root tip cell (s.)
- Monocot and dicot roots (c.s.)
- Monocot and dicot shafts (c.s.)
- Tilia (linden tree), 1 year old stem (c.s.)
- Tilia (linden tree), 3 year old stem (c.s.)
- Monocot and dicot leaves (c.s.)



(c.s.) = cross section; (l.s.) longitudinal section; (w.b.) = whole body

Description	Pk	Cat. No.
General biology prepared slides, set 1	1 KIT	720-2924

PREPARED SLIDES: FRESHWATER PLANTS (CRYPTOGAMS)

Prepared slides for freshwater plants (cryptogams) including:

- Three types of bacteria smear
- *Rhizopus nigricans* (bread mould) (w.b.)
- Penicillium (w.b.)
- Aspergillus (w.b.)
- Yeast (w.b.)
- Lichen (s.)
- Volvox (w.b.)
- Spirogyra conjugation (w.b.)
- Porphyra (sea lettuce) (w.b.)
- Marchantia thallus (s.)
- Marchantia antheridiophore (l.s.)
- Marchantia archegoniophore (l.s.)
- Moss, protonema (w.b.)
- Moss, antheridium (c.s.)
- Fern prothallus, young sporophyte (w.b.)

(s.) = section; (l.s.) = longitudinal section; (c.s.) = cross section; (w.b.) = whole body



Description	Pk	Cat. No.
Freshwater plants (cryptogams) slides	1 KIT	720-2925

PREPARED SLIDES: PHANEROGAMS

Prepared slides of seed bearing plants (phanerogams), including:

- Pine tree leaf (c.s.)
- Pine tree, 1 year old stem (c.s.)
- Pine tree, 10 year old stem (c.s.)
- Pine tree, spherical male fruit (l.s.)
- Pine tree, spherical female fruit (l.s.)
- Pine tree, pollen (w.b.)
- Buttercup root (c.s.)
- Corn (maiz) root (c.s.)
- Mitosis, onion tips (s.)
- Geranium stem (c.s.)
- Marchantia antheridiophore (l.s.)
- Marchantia archegoniophore (l.s.)
- Sunflower, young stem (c.s.)
- Tilia (linden tree), 1 year old stem (c.s.)
- Tilia (linden tree), 3 year old stem (c.s.)
- Lily leaf (c.s.)
- Fig tree, leaf with foveolate stomata (c.s.)
- Three types of leaves (c.s.)
- Lily pollen (w.b.)
- Lily anther (c.s.)
- Lily ovary (c.s.)
- Meiosis of lily anther at different phases (c.s.)
- Capsella, young embryo (s.)
- Capsella, medium embryo (s.)
- Capsella, old embryo (s.)

(w.b.) = whole body; (s.) section; (c.s.) cross section; (l.s.) longitudinal section



Description	Pk	Cat. No.
Prepared slides with phanerogams	1 KIT	720-2926

PREPARED SLIDES FOR ZOOLOGY: VERTEBRATES AND INSECTS

Prepared slides for zoology (invertebrates and insects) including:

- Unicellular animal (ameba or other)
- Paramecium (wb)
- Hydra (wb)
- Hydra sperm gland (cs)
- Hydra ovary (cs)
- Male nematode (cs)
- Female nematode (cs)
- Egg mitosis of a horse's nematode
- Tubellaria, injected intestinal tube (wb)
- Mussel Gill (cs)
- Male mosquito mouth parts (wb)
- Female mosquito mouth parts (wb)
- Butterfly mouth parts (wb)
- Honey bee mouth parts (wb)
- Testis of migratory locust (s.)
- Insect's composed eye (s.)
- House fly (wb)
- Female mosquito (wb)
- Drosophila (fruit fly) (wb)
- Insect legs for digging (wb)
- Insect legs for walking (wb)
- Insect legs for swimming (wb)
- Insect legs for jumping (wb)
- Insect legs for pollinating (wb)

(wb) = whole body; (s.) = section; (cs) = cross section



Description	Pk	Cat. No.
Prepared slides for invertebrates and insects	1 KIT	720-2927

PREPARED SLIDES FOR ZOOLOGY:
VERTEBRATES AND MAMMALS

Prepared slides for zoology i.e. vertebrates and mammals including:

- Frog skin (c.s.), small intestine (c.s.), blood smear, testis (s.), liver (s.) and heart (s.)
- Rabbit liver (s.), testis (s.), vertebral column (c.s.), motor nerve endings (w.b.) and ovary (s.)
- Compact bone tissue
- Stomach walls (s.)
- Mammal small intestine (c.s.), large intestine (c.s.), pancreas, spleen (s.), gall bladder (s.), lung (s.), artery and vein (c.s.), kidney (l.s.) and eyeball (l.s.)
- Human sperm smear, skin (s.) through sweat gland and chromosome in blood, male and female

(w.b.) whole body; (s.) section; (l.s.) longitudinal section; (c.s.) cross section



Description	Pk	Cat. No.
Prepared slides for zoology	1 KIT	720-2928



COLOUR-FROSTED MICROSCOPE SLIDES

- Frosted ends in six different colours
- Available with either cut or bevelled edges
- Writing surface resistant to all common dyes and solvents

Description	Colour	Pk	Cat. No.
Cut edges			
Single-frosted slides, coloured ends	White	50	631-1554
Single-frosted slides, coloured ends	Blue	50	631-1555
Single-frosted slides, coloured ends	Rose	50	631-1556
Single-frosted slides, coloured ends	Yellow	50	631-1557
Single-frosted slides, coloured ends	Green	50	631-1558
Single-frosted slides, coloured ends	Orange	50	631-1559
Bevelled edges			
Single-frosted slides, coloured ends	White	50	631-1560
Single-frosted slides, coloured ends	Rose	50	631-1561
Single-frosted slides, coloured ends	Blue	50	631-1562
Single-frosted slides, coloured ends	Yellow	50	631-1563
Single-frosted slides, coloured ends	Green	50	631-1564
Single-frosted slides, coloured ends	Orange	50	631-1565



MICROSCOPE SLIDES, SUPERFROST®

These slides, washed and polished, offer high quality results.

- Cellophane wrapped
- For high level of safety
- Twin-frosted slides with embossed surface: Easier writing and reading

ISO 8037/1

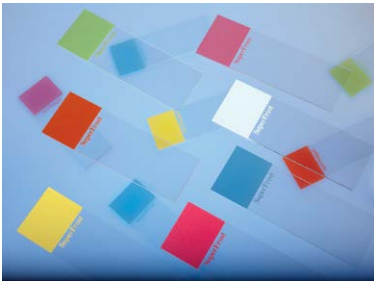
Description	Thickness (mm)	Pk	Cat. No.
Slides (90° ground edges)	0,8 - 1,0	50	631-0113
Slides (90° ground twin-frosted edges)	0,8 - 1,0	50	631-0116
Slides (90° ground edges)	1,0 - 1,2	50	631-0114
Slides (90° ground twin-frosted edges)	1,0 - 1,2	50	631-0117



MICROSCOPE SLIDES

- Clear, white glass
- Cut or bevelled edges
- Available plain or frosted

Description	L×W (mm)	Thickness (mm)	Pk	Cat. No.
Slide with cut edges and plain end	76×26	1,0	50	631-1550
Slide with cut edges and frosted end	76×26	1,0	50	631-1551
Slide with bevelled edges and plain end	76×26	1,0	50	631-1552
Slide with bevelled edges and frosted end	76×26	1,0	50	631-1553



MICROSCOPE SLIDES, BS 7011

These uncoated microscope slides are manufactured from soda-lime glass.

- Resistant to commonly used solvents
- No scratching or sticking when stacked together
- Label areas on top of the slide for quick identification

BS 7011

Description	L×W (mm)	Thickness (mm)	Pk	Cat. No.
Slides (90° ground edges)	75,5×25,5 (±0,5/-0,0)	0,85 - 1,00	50	631-0908
Slides (90° ground edges - 20 mm twin-frosted)	75,5×25,5 (±0,5/-0,0)	0,85 - 1,00	50	631-0907
Slides (90° ground edges - 20 mm twin-frosted)	75,5×25,5 (±0,5/-0,0)	1,00 - 1,15	50	631-0906
Slides (90° ground edges)	75,5×25,5 (±0,5/-0,0)	1,00 - 1,15	50	631-0905



MICROSCOPE SLIDES, SUPERFROST®

These microscope slides come with a light opaque coating in different colours.

- Resistant to commonly used solvents
- No scratching or sticking when stacked together
- Label areas on the top of the slide, for quick identification

Each colour codes different specimens at a glance according to urgency, processing or staining technique.

BS 7011

Description	Thickness (mm)	Colour	Pk	Cat. No.
Microscope slides (ground edges 90°)	0,95 - 1,05	White	50	631-0909
Microscope slides (ground edges 90°)	0,95 - 1,05	Blue	50	631-0910
Microscope slides (ground edges 90°)	0,95 - 1,05	Pink	50	631-0911
Microscope slides (ground edges 90°)	0,95 - 1,05	Yellow	50	631-0912
Microscope slides (ground edges 90°)	0,95 - 1,05	Green	50	631-0913

PLAIN MICROSCOPE SLIDES

Microscope slides with ground edges designed for human blood or fluid tests.

- Shelf life of 60 months
- Smooth edges for operational safety

Suitable for use in haematology and microbiology applications.

50 pieces per box. 50 boxes per case.

Fragile items should be stored in dry and proper laboratory temperature conditions.

Description	L×W (mm)	Thickness (mm)	Pk	Cat. No.
Ground edges, clipped corner (45°) slides	76×25	1,0 (-0,05/+0,1)	2.500	631-1160

DOUBLE-FROSTED MICROSCOPE SLIDES

Microscope slides with double-frosted ends designed for human blood, body fluids tests, as well as paraffin sections.

- Shelf life of 60 months
- Smooth edges for operational safety
- Possible marking with pencils, marker pens and labelling systems

Suitable for use in haematology, microbiology, as well as histopathology applications.

50 pieces per box. 50 boxes per case.

Fragile items should be stored in dry and proper laboratory temperature conditions.

Description	L×W (mm)	Thickness (mm)	Pk	Cat. No.
Double-frosted slides, ground edges, clipped corner 45°	76×25	1,0 (-0,05/+0,1)	2.500	631-1161

SILANE COATED, DOUBLE-FROSTED SLIDES

Silane (aminoalkylsilane) coating provide permanent adhesion, which can bind tissue sections to glass slides with a sticky surface.

- Smooth edges for operational safety
- Marking with pencils, marker pens and conventional labelling systems
- Shelf life of 18 months

Recommended for H&E stain, immunohistochemistry (IHC) and hybridisation on frozen sections in histopathology examination.

50 pieces per box. 50 boxes per case.

Fragile items should be stored in dry and proper laboratory temperature conditions.

Description	W×D (mm)	Thickness (mm)	Material	Pk	Cat. No.
Double-frosted silane coated slides	76×25	1,0 (-0,05/+0,1)	Glass	2.500	631-1162



631-1163

SILANE COATED, COLOUR-FROSTED SLIDES

Silane coated (aminoalkylsilane) glass slides producing a sticky surface, which can bind tissue sections to glass.

- Smooth edges for operational safety
- Marking with pencils, marker pens and conventional labelling systems
- Shelf life of 18 months

Recommended for H&E stain, immunohistochemistry (IHC) and hybridisation on frozen sections in histopathology examination.

50 pieces per box. 50 boxes per case.

Fragile items should be stored in dry and proper laboratory temperature conditions. Not tested for use in microarray assays.

Description	WxD (mm)	Thickness (mm)	Colour	Material	Pk	Cat. No.
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Blue	Glass	2.500	631-1163
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Green	Glass	2.500	631-1164
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Orange	Glass	2.500	631-1165
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Pink	Glass	2.500	631-1166
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Yellow	Glass	2.500	631-1167
Silane coated colour-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Lilac	Glass	2.500	631-1168



COLOUR-FROSTED MICROSCOPE SLIDES

Microscope slides recommended for haematoxylin and eosin (H&E) stain, immunohistochemistry (IHC) and hybridisation on frozen sections in histopathology examination.

- Smooth edges for operational safety
- Sticky surface for stronger adhesion than with poly-L-lysine
- Marking with conventional labelling system, pencils, marker pens and thermal transfer printers

50 pieces per box. 50 boxes per case.

To be stored in dry and proper laboratory temperature conditions – shelf life of 60 months.

Description	WxD (mm)	Thickness (mm)	Colour	Material	Pk	Cat. No.
Colour-frosted microscope slides	76x25	1,0 (-0,05/+0,1)	Blue	Glass	2.500	631-1169
Colour-frosted microscope slides	76x25	1,0 (-0,05/+0,1)	Green	Glass	2.500	631-1172
Colour-frosted microscope slides	76x25	1,0 (-0,05/+0,1)	Orange	Glass	2.500	631-1173
Colour-frosted microscope slides	76x25	1,0 (-0,05/+0,1)	Pink	Glass	2.500	631-1175
Colour-frosted microscope slides	76x25	1,0 (-0,05/+0,1)	Yellow	Glass	2.500	631-1176

INKJET PRINTER SLIDES

Microscopy slides are designed with colour-frosted ends for H&E stain on frozen sections in histopathology examination.

- Shelf life of 60 months
- Pre-cleaned, without mark, print or contamination risks
- Marking with conventional labelling system, pencil, marker pens and inkjet printers

Specially produced for all inkjet printers.

50 pieces per box. 50 boxes per case.

Fragile items should be stored in dry and proper laboratory temperature conditions.



Description	LxW (mm)	Thickness (mm)	Colour	Material	Pk	Cat. No.
Inkjet printer coloured-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	White	Glass	2.500	631-1177
Inkjet printer coloured-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Blue	Glass	2.500	631-1178
Inkjet printer coloured-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Green	Glass	2.500	631-1179
Inkjet printer coloured-frosted slides on 20 mm	76x25	1,0 (-0,05/+0,1)	Yellow	Glass	2.500	631-1182

PRIMERA PRINTER SLIDES

Microscopy slides are designed with colour-frosted ends for H&E stain on frozen sections in histopathology examination.

- Shelf life of 60 months
- Pre-cleaned, without mark, print, or contamination risks
- Marking with conventional labelling system, pencil, marker pens, and inkjet printers

Specially produced for all Primera printers.

Fragile items should be stored in dry and proper laboratory temperature conditions.



Description	LxW (mm)	Thickness (mm)	Colour	Material	Pk	Cat. No.
Colour-frosted slides	76x25	1,0 (-0,05/+0,1)	White	Glass	2.500	631-1183
Silane coated slides	76x25	1,0 (-0,05/+0,1)	White	Glass	2.500	631-1184
Positively charged slides	76x25	1,0 (-0,05/+0,1)	White	Glass	72	631-1185

ADHESION SLIDES, SUPERFROST PLUS

Superfrost Plus slides are specially treated for frozen tissue sections.

- Permanent positive charge binds freshly frozen tissue sections and cytology preparations
- Ground edges and colour-frosted ends for labelling
- Tissue section thickness: 2 to 5 µm

Electrostatically binds tissue sections to the slide virtually preventing any loss during staining.

Cytology preparations placed on these slides resist cell loss during enzyme digestion, DNA denaturation and RNA hybridisation.



WxD (mm)	Thickness (mm)	Colour	Pk	Cat. No.
75x25	1	White	72	631-0108
75x25	1	Blue	72	631-0446
75x25	1	Rose	72	631-0447
75x25	1	Yellow	72	631-0448
75x25	1	Green	72	631-0449

RECTANGULAR COVER GLASSES

Rectangular cover glasses made of pure white Hydrolytic Class 1 glass.

In plastic hinged lid boxes.



LxW (mm)	No.	Pk	Cat. No.
18x24	#1	1.000	631-0130
20x20	#1	1.000	631-0122
22x32	#1	1.000	631-0133
22x32	#1,5	1.000	631-0134
22x40	#1	1.000	631-0135
22x40	#1,5	1.000	631-0136
22x50	#1	1.000	631-0137
22x50	#1,5	1.000	631-0138
24x32	#1	1.000	631-0143
24x32	#1,5	1.000	631-0144
24x40	#1	1.000	631-0145
24x50	#1	1.000	631-0146
24x50	#1,5	1.000	631-0147



COVER GLASSES, SQUARE

These cover slips are specially designed for diagnostic applications.

- Transparent hydrolytic class 1 glass

In dispenser boxes with separate lid.

LxW (mm)	Thickness (mm)	No.	Pk	Cat. No.
15x15	0,13 - 0,16	#1	1.000	631-1566
18x18	0,13 - 0,16	#1	1.000	631-1567
20x20	0,13 - 0,16	#1	1.000	631-1568
22x22	0,13 - 0,16	#1	1.000	631-1570
24x24	0,13 - 0,16	#1	1.000	631-1571



COVER GLASSES, ROUND

Made of pure white Hydrolytic Class 1 glass.

- No bubbles or flaws
- Cleaned and polished

In plastic dispenser boxes with hinged lid.

Ø (mm)	No.	Pk	Cat. No.
6	#0	1.000	631-0168
9	#1	1.000	631-0169
10	#0	1.000	631-0170
13	#0	1.000	631-0148
13	#1	1.000	631-0149
13	#1,5	1.000	631-0150
16	#1	1.000	631-0152
18	#1,5	1.000	631-0153
19	#0	1.000	631-0154
19	#1	1.000	631-0155
19	#1,5	1.000	631-0156
22	#1	1.000	631-0158
22	#1,5	500	631-1089
24	#1	1.000	631-0161
25	#1	1.000	631-0171
25	#1,5	1.000	631-0172
30	#1	1.000	631-0174
32	#1	1.000	631-0162
35	#1	1.000	631-0176
40	#1	1.000	631-0177
50	#1	1.000	631-0178



RECTANGULAR COVER GLASSES

These cover slips are specially designed for diagnostic applications.

- Made of pure white Hydrolytic Class 1 glass

In dispenser boxes with separate lid.

LxW (mm)	No.	Pk	Cat. No.
21x26	#1	2.000	631-1569
24x32	#1	1.000	631-1572
24x40	#1	1.000	631-1573
24x50	#1	1.000	631-1574
24x60	#1	1.000	631-1575



COVER GLASSES, ROUND

These cover glasses are suitable for diagnostic applications.

- No bubbles or flaws
- Pre-washed

Ø (mm)	No.	Pk	Cat. No.
10	#1	1.000	631-1576
12	#1	1.000	631-1577
13	#1	1.000	631-1578
15	#1	1.000	631-1579
18	#1	1.000	631-1580
20	#1	1.000	631-1581
22	#1	1.000	631-1582
24	#1	1.000	631-1583
25	#1	1.000	631-1584
30	#1	1.000	631-1585

SLIDE ORGANISER, Q PATH®

This metallic cabinet is suitable for the storage of 50×50 mm or 80×57 mm microscopy slides.

Weight: 9 kg



Description	No. of slides	Colour	Material	Pk	Cat. No.
Organiser for transparencies with 7 drawers	2700	Green	Metal	1	631-1049

Description	Pk	Cat. No.
Accessories		
Base for organiser	1	631-1071
Lid for organiser	1	631-1073

SLIDE ORGANISERS, Q PATH®

These organisers enable the archiving of a large number of microscope slides.

– Robust and stackable

Supplied with locking rack.



Description	No. of slides	Colour	W×D×H (mm)	Pk	Cat. No.
Metal organiser with PVC slide drawers (14)	5500	Green	480×480×140	1	631-1068
Metal organiser with metal slide drawers (14)	5500	Green	480×480×140	1	631-1069

Description	Pk	Cat. No.
Accessories		
Base for organiser	1	631-1071
Lid for organiser	1	631-1073
Locking rack for conventional slides	1	631-1227

SLIDE TRAYS, Q PATH®

Flip-top trays designed for the safe storage of up to 20 microscope slides. With or without lid.



Description	No. of slides	Colour	Material	Pk	Cat. No.
Slide tray with lid	20	White	Plastic	1	631-1076
Slide tray with lid	20	Blue	Plastic	1	631-1078
Slide trays, without lid	20	White	Plastic	10	631-1077



SLIDE BOXES WITH LID

Heavy-duty, two-piece microscope slide boxes are designed to store standard slides for transport.

- Colour coded for easy identification
- Slide inventory sheet on inside of the cover
- Separate lid (box for 25 slides)
- Lid with plastic snap closure (box for 50 slides)
- Nickel plated clasp and hinge pin (box for 100 slides)
- Each slot is numbered to correspond to the slide inventory sheet on the inside cover of the box
- Moulded, rigid box: Securely holds slides in grooved slots
- Stackable for long-term storage

The box is made of durable ABS and secured with a rust resistant, nickel plated clasp and hinge pin for storage or transport.

Colour	Material	W×D×H (mm)	No. of slides	Pk	Cat. No.
Cork lined					
Blue	ABS	141×88×35	25	1	631-1506
Green	ABS	141×88×35	25	1	631-1507
Red	ABS	141×88×35	25	1	631-1508
White	ABS	141×88×35	25	1	631-1510
Blue	ABS	208×175×34	50	1	612-2706
Red	ABS	208×175×34	50	1	612-2707
White	ABS	208×175×34	50	1	612-2708
Blue	ABS	171×222×33	100	1	631-1500
Green	ABS	171×222×33	100	1	631-1501
Red	ABS	171×222×33	100	1	631-1502
Yellow	ABS	171×222×33	100	1	631-1503
White	ABS	171×222×33	100	1	631-1504
Foam lined					
Blue	ABS	141×88×35	25	1	631-1522
Red	ABS	141×88×35	25	1	631-1524
White	ABS	141×88×35	25	1	631-1526
Blue	ABS	171×222×33	100	1	631-1517
Red	ABS	171×222×33	100	1	631-1519
White	ABS	171×222×33	100	1	631-1521



RACK FOR SLIDE BOXES

Storage racks for microscopy slides make organisation of samples easy.

- Clear acrylic allows the labels on the slide boxes to be seen
- Boxes can be placed in rows or columns
- Sorted by colour to create an easy coding system

Non skid rubber feet allow for secure bench top placement, whilst pre-drilled holes enable under the counter or wall mounting.

Description	Material	W×D×H (mm)	No. of slides	Pk	Cat. No.
Stackable drawer	Acrylic	227×264×118	50/100	1	631-0742



DISPOSABLE SLIDE MAILERS

Cardboard disposable holders suitable for the transport of one or two standard slides.

Description	Colour	Material	No. of slides	Pk	Cat. No.
Slide mailers	Natural	Cardboard	1	25	631-0687
Slide mailers	Natural	Cardboard	2	24	631-0688



LOW TEMPERATURE SLIDE BOX, POLYCARBONATE

Durable and stackable slide box for safe storage and transport of slides.

- Grooved slide slots separate slides and prevent slide contact
- Temperature resistant foam lining: Protects slides in low temperatures (-80 °C)
- Easy slide retrieval, identification sheet, lining, and grooved slots are numbered

Colour	Material	W×D×H (mm)	No. of slides	Pk	Cat. No.
Purple	PC	208×175×34	100	1	631-1527



SLIDE CABINET, Q PATH®

Slide cabinet for long-term storage.

- Rigid
- Laminated
- Stackable

Description	No. of slides	Colour	Material	W×D×H (mm)	Pk	Cat. No.
Slide cabinet	1860	Yellow	Cardboard	290×295×90	10	631-1064



SLIDE CABINET, Q PATH®

This cabinet, with lid, can be used in cytology and histology applications.

- Simple design for easy handling
- Quick handling of microscope slides
- Able to hold a large number of items

Description	Colour	Material	W×D×H (mm)	No. of slides	Pk	Cat. No.
Slide cabinet	Natural	Cardboard	84×155×310	1000	10	631-1066



LOW TEMPERATURE SLIDE BOX, POLYCARBONATE

This slide box can accommodate up to 25 microscope slides.

- Numbered index sheet inside the box
- Cover lid to secure the slides
- Easy to use and store

Description	Colour	Material	No. of slides	Pk	Cat. No.
Slide box	Blue	PC	25	1	631-1143



SLIDE BOX, Q PATH®

This box for five slides prevents items from breaking or sticking. Can be used for applications in cytology, such as conventional smears.

Colour	Material	WxDxH (mm)	No. of slides	Pk	Cat. No.
Translucent	Plastic	82x30x18	5	500	631-1079



SLIDE HOLDERS, Q PATH®

Slide holders designed for applications in clinical cytology.

- Fast, easy clip closure
- For two or three slides, depending on the model
- Modern, user friendly design

Description	No. of slides	Colour	Material	Pk	Cat. No.
Slide holders	2	Translucent	PP	600	631-1074
Slide holders	3	Translucent	PP	600	631-1075



SLIDE BOXES, PREMIUM PLUS

These slide boxes feature multiple labelling areas, and an index card can be used as the lid is transparent.

- Slide rail design ensures a secure fit
- Central numbering grid for slide organisation and easy viewing
- Plastic design eliminates potential rusting of metal parts
- Sliding lock provides secure storage
- Hinged lid smoothly opens 180°, sits flat on surface preventing misplacement
- EVA foam lines the bottom of the box

Description	Colour	Material	WxDxH (mm)	No. of slides	Pk	Cat. No.
Slide boxes, Premium Plus	Blue	PP	195x207x32	100	5	631-1242
Slide boxes, Premium Plus	Orange	PP	195x207x32	100	5	631-1243
Slide boxes, Premium Plus	Green	PP	195x207x32	100	5	631-1244
Slide boxes, Premium Plus	Red	PP	195x207x32	100	5	631-1245
Slide boxes, Premium Plus	Purple	PP	195x207x32	100	5	631-1246
Slide boxes, Premium Plus	Assorted	PP	195x207x32	100	5	631-1247

Description	Pk	Cat. No.
Inventory card		
Replacement inventory cards	10	631-1248



SLIDE MAILERS

This secure protection for two standard slides is designed for storage and shipping.

- Large, easy to secure snap-caps
- Ideal for standard mailing
- Colourful design make them easy to identify and sort

The assorted pack contains slide mailers in red, yellow, blue, purple and orange.

Description	Colour	Material	No. of slides	Pk	Cat. No.
Slide mailers	Assorted	PP	2	25	211-0341
Slide mailers	Natural	PP	2	25	211-0342

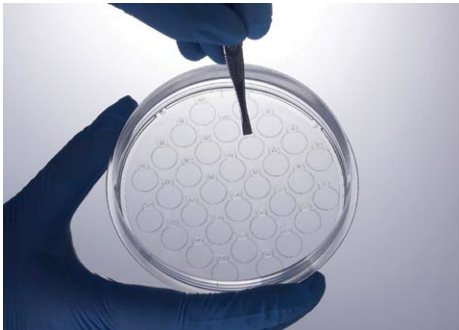
CELL SLIDES IN CULTURE DISHES

VWR® cell slides are made from medical grade, high transparency PET, which has high strength and is unbreakable. Only the surface of the cell slide has a hydrophilic treatment so adherent cells grow easily, whilst the surrounding culture dish surface is hydrophobic, making it difficult for adherent cells to grow.

- Cell slide transparency and light transmittance are good so cells can be clearly observed under a light or fluorescence microscope
- The use of multiple cell slides in one dish makes it possible to develop multi-factor, multi-index, multi-level in vitro studies under the same condition
- Choice of Ø 8 or Ø 10 mm cell slides, with 12, 18, 32 or 45 cell slides per culture dish
- One cell culture can prepare multiple cell slides for different studies and objectives, increasing work efficiency
- Tab on the cell slide tilts at an angle, which is convenient for operators to directly clamp, and is engraved numerically, facilitating identification
- Free from DNase and RNase, non pyrogenic

The integrated cell slides are fixed in the culture dish. If further test is necessary after cell culture, the cell slides can be taken out one by one and placed in a culture plate or other container with the necessary specifications.

Supplied individually packed in 'peel to open' plastic blister packaging. Each box is matched with individually packed sterile metal tweezers. Both cell slides and tweezers are electron beam irradiated and should be used immediately after opening.



Description	Ø (mm)	Growth area (cm²)	Packed	Pk	Cat. No.
Culture dish, 60 mm, with 18 cell slides, cell growth area 0,50 cm² per cell slide	8	9,00	Individually wrapped	48	734-2973
Culture dish, 60 mm, with 12 cell slides, cell growth area 0,79 cm² per cell slide	10	9,42	Individually wrapped	48	734-2974
Culture dish, 100 mm, with 45 cell slides, cell growth area 0,50 cm² per cell slide	8	22,50	Individually wrapped	24	734-2975
Culture dish, 100 mm, with 32 cell slides, cell growth area 0,79 cm² per cell slide	10	25,12	Individually wrapped	24	734-2976

CONFOCAL DISHES FOR MICROSCOPY

Confocal dishes are suitable for fluorescent, confocal and phase-contrast microscopy experiments. These dishes combine the convenience of standard 35 mm, PS cell culture dishes with the optical benefits of glass. Dishes are available with either Ø 15 or Ø 20 mm glass centre, with or without a tissue culture-treated surface.

- Made from homogenous borosilicate glass with low bubble and inclusion content
- Transparent, medical grade glue, achromatic
- Dish surface is smooth and free from striation to maximise usable area for growth
- Rim on upper side of the lid mates with the dish brim for easy and secure stacking
- Vented lids for effective gas exchange
- Suitable for all living cell examinations
- Sterilised by electron beam irradiation and non pyrogenic

Glass thickness: 0,16 to 0,19 mm
ISO 13485:2003 and ISO 9001:2008 certified.



Description	Pk	Cat. No.
Glass bottom dish, Ø15 mm centre, TC-treated	40	734-2903
Glass bottom dish, Ø20 mm centre, TC-treated	40	734-2904
Glass bottom dish, Ø15 mm centre, non treated	40	734-2905
Glass bottom dish, Ø20 mm centre, non treated	40	734-2906

EMBEDDING MEDIA

Description	Pk	Cat. No.
Cyto-paraffin wax, Solidification point: 54 - 58 °C Contains 0,05% of yellow beeswax, bar, MICROCOLOR® for histology	1 kg	26177.290
Paramat, Solidification point: 55 - 58 °C, in pastille form, Gurr®, without DMSO	2,5 kg	361144V
Paramat, Solidification point: 55 - 58 °C, in pastille form, Gurr®, without DMSO	10 kg	361147B
Paramat, Solidification point: 55 - 58 °C, in pastille form, Gurr®, without DMSO	25 kg	361148C
Paramat Extra, Solidification point: 55 - 58 °C, in pastille form, Gurr®, with DMSO	2,5 kg	361334C
O.C.T. compound, for cryotomy	125 ml	361603E
O.C.T. compound Q path® mounting medium for cryotomy	125 ml	00411243.
Paraffin, Solidification point: 54 - 56 °C, Q Path® for microscopy	1 kg	10048500.
Paramat Extra, Solidification point: 55 - 58 °C, in pastille form, Gurr®, with DMSO	25 kg	361337F
Paraffin, Solidification point: 54 - 56 °C, Q Path® for microscopy	2,5 kg	10048501.
Paraffin, Solidification point: 54 - 56 °C, Q Path® for microscopy	8 kg	10048502.

FIXATIVES FOR MICROSCOPY

Description	Pk	Cat. No.
Formalin neutral sodium salt, Gurr™ histological fixative, buffered pH 7,0 (25 °C)	25 L	351638K
Formal saline, Gurr™ histological fixative	5 L	361367L
Formal saline, Gurr™ histological fixative	25 L	361368M
Formaldehyde 36% in aqueous solution stabilised, AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	1 L	20909.290
Formaldehyde 36% in aqueous solution stabilised, GPR RECTAPUR®	1 L	20910.294
Formaldehyde 7,5%, TECHNICAL, buffered (pH 7,0 ±0,2)	1 L	5534.1000
Formaldehyde 35% in aqueous solution stabilised, TECHNICAL	5 L	90240.5000
Formaldehyde 36% in aqueous solution stabilised, AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	2,5 L	20909.330
Formaldehyde 36% in aqueous solution stabilised, GPR RECTAPUR®	2,5 L	20910.328
Formaldehyde 7,5%, TECHNICAL, buffered (pH 7,0 ±0,2)	10 L	5534.9010
Formaldehyde 35% in aqueous solution stabilised, TECHNICAL	10 L	90240.9010
Formaldehyde 36% in aqueous solution stabilised, GPR RECTAPUR®	2,5 L	20910.330
Formaldehyde 35% in aqueous solution stabilised, TECHNICAL	25 L	90240.9025
Formaldehyde 36% in aqueous solution stabilised, AnalaR® NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent	5 L	20909.368
Formaldehyde 36% in aqueous solution stabilised, GPR RECTAPUR®	5 L	20910.363
Formaldehyde 36% in aqueous solution stabilised, GPR RECTAPUR®	20 L	20910.443
Formaldehyde 4% stabilised, buffered (pH 7,0 ±0,2)	1 L	9713.1000
Formaldehyde 4% stabilised, buffered (pH 7,0 ±0,2)	5 L	9713.5000
Formaldehyde 4% stabilised, buffered (pH 7,0 ±0,2)	10 L	9713.9010
Formaldehyde 4% stabilised, buffered (pH 7,0 ±0,2)	25 L	9713.9025

Avantor Services

Equipment Services

Our equipment services optimise your uptime, ensuring your equipment is fully compliant and performing to specifications. We offer:

- Multi-vendor technical services
 - Installation
 - Repairs
 - Relocation
 - Calibration
 - Validation
 - Preventive maintenance
 - Warranty
- Asset management

 **avantors™**



PB19033-EN

DYES AND STAINS

Description	Pk	Cat. No.
Basic fuchsin for microscopical staining	25 g	3525.0025
Basic fuchsin, Gurr™ for microscopical staining	100 g	340325K
Carbol fuchsin strong solution (Ziehl-Neelsen), Gurr™ microbiology stain	500 ml	350084R
Elastin stain solution acc. to Miller Formulation Raymond A Lamb	500 ml	351154S
Eosin Y (yellowish), Gurr™ for microscopical staining	25 g	341972Q
Eosin Y (yellowish), Gurr™ for microscopical staining	100 g	341973R
Eosin Y (yellowish), Gurr™ for microscopical staining	1 kg	341975T
Giemsa's stain improved solution R66, Gurr™ for microscopical staining	500 ml	350864X
Giemsa's stain improved solution R66, Gurr™ for microscopical staining	1 L	350865P
Giemsa's stain improved solution R66, Gurr™ for microscopical staining	25 L	35086HE
Giemsa's stain solution, Gurr™ for microscopical staining	500 ml	352603R
Gram's decolorizing solution acetone and 2-propanol	5 L	99502.5000
Gram's decolorizing solution contains acetone and ethanol	5 L	9761.5000
Haemalum (Mayer's) solution, Gurr™ for microscopical staining	500 ml	350604T
Haematoxylin hydrate, Gurr™ for microscopical staining	25 g	340374T
Haematoxylin solution (Harris), Gurr™ for microscopy mercury-free	1 L	351945S
Hema - rapid staining set, Gurr™ for hematology, for microscopy	1 KIT	351042L
Leishman's eosin-methylene blue staining solution	500 ml	350224L
Lugol's iodine solution, Gurr™ for microscopy	250 ml	351903Y
Malachite green oxalate for microscopy (C.I. 42000)	100 g	3076.0100
May Grunwald's eosin-methylene blue solution (form. RA Lamb), Gurr™ for microscopical staining	1 L	351355C
May Grunwald's eosin-methylene blue solution, Gurr™ for microscopy	1 L	352065W
Methyl blue microbiology stain (C.I. 42780)	100 g	34015.182
Methylene blue for microscopy (C.I. 52015)	25 g	3470.0025
Methylene blue for microscopy (C.I. 52015)	100 g	3470.0100
Methylene blue, Gurr™ for microscopical staining	25 g	340484B
Neutral red, Gurr™ for microscopical staining	25 g	340564A
Neutral red, Gurr™ for microscopical staining	100 g	340565B
Nuclear Fast Red, Gurr™ for microscopical staining	25 g	342094W
Papanicolaou's Orange G solution (OG 6), Gurr™ for microscopical staining	1 L	350405X
Papanicolaou's solution EA 50 new formulation, Gurr™ for microscopical staining	1 L	351695T
Schiff reagent (Feulgen stain form. RA Lamb), Gurr™ for microscopical staining, for histology	500 ml	351204L

READY TO USE STAINING SOLUTIONS

Staining solutions used in histology and cytology for the staining and counterstaining in HE or PAP protocols.

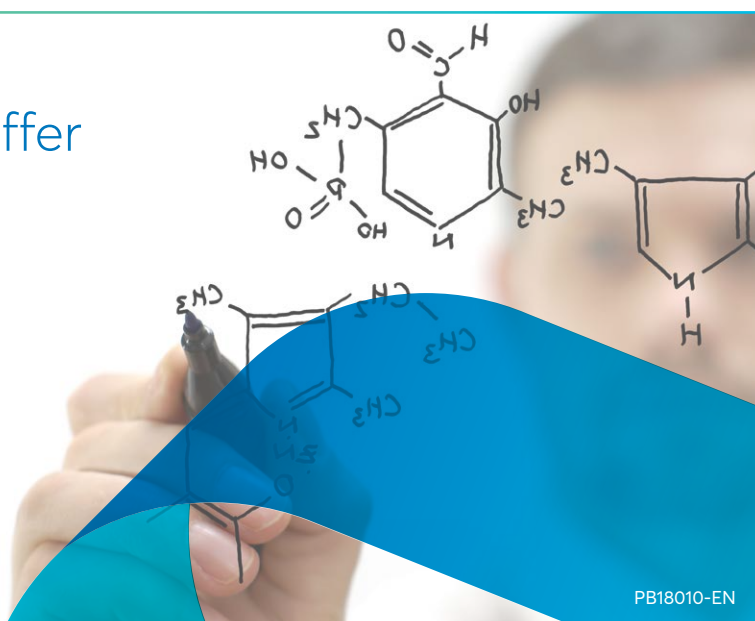
Description	Pk	Cat. No.
Malachite green oxalate for microscopy	25 g	3076.0025
Bouin's solution	1 L	7000.1000
Eosin Y (yellowish) alcoholic solution, Q Path® for microscopy	5 L	00607121.
Haematoxylin solution (Harris), Q Path® for microscopy	5 L	00607131.
Papanicolaou's solution 2a Orange G (OG 6), Q Path® for microscopy	5 L	00607136.
Papanicolaou's solution EA 50, Q Path® for microscopy	5 L	00607141.
Eosin Y (yellowish) in aqueous solution, Q Path® for microscopy	450 ml	10047001.
Eosin Y (yellowish) alcoholic solution, Q Path® for microscopy	450 ml	10047003.
Haematoxylin solution (Mayer), Q Path® for microscopy	450 ml	10047005.
Haematoxylin solution (Harris), Q Path® for microscopy	450 ml	10047007.
Papanicolaou's solution 2a Orange G (OG 6), Q Path® for microscopy	450 ml	10047010.
Papanicolaou's solution EA 50, Q Path® for microscopy	450 ml	10047011.
May Grunwald's eosin-methylene blue, Q Path® stain for cytology	450 ml	10047018.
Periodic acid solution, Q Path® for microscopy	450 ml	10047024.
Saffron alcoholic solution, Q Path® for microscopy	450 ml	10047028.
Eosin Y (yellowish) in aqueous solution, Q Path® for microscopy	2,5 L	10047101.
Eosin Y (yellowish) alcoholic solution, Q Path® for microscopy	2,5 L	10047103.
Haematoxylin solution (Mayer), Q Path® for microscopy	2,5 L	10047105.
Haematoxylin solution (Harris), Q Path® for microscopy	2,5 L	10047107.
Papanicolaou's solution 2a Orange G (OG 6), Q Path® for microscopy	2,5 L	10047110.
Papanicolaou's solution EA 50, Q Path® for microscopy	2,5 L	10047111.
May Grunwald's eosin-methylene blue, Q Path® stain for cytology	2,5 L	10047118.
Saffron, Q Path®	10 g	11507736.
Phloxin B 0,1%, Q Path® for microscopy	1 L	10047229.
Shorr staining solution, Q Path® for microscopy	450 ml	10047013.

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Q PATH® COVERQUICK MOUNTING AGENTS FOR MICROSCOPY

A range of mounting media for manual and automatic mounting of slides. The Q Path® Coverquick range consists of four different mounting media with different viscosities to meet all microscopy needs. The number after the name indicates increasing viscosity: Q Path® Coverquick 1000 has the lower viscosity (around 260 mPaS) and Q Path® Coverquick 4000 has the higher viscosity (around 920 mPaS).

- A complete range of mounting media for histology and cytology
- The entire range is suitable for manual mounting
- For automatic mounting, Q Path® Coverquick 3000 and 4000 are recommended
- Delivered in PET amber bottle, only Q Path® Coverquick 3000 is delivered in a aluminium bottle
- Dries quickly in 15 to 20 m



Description	Pk	Cat. No.
Q Path® Coverquick 1000, 260 mPaS	500 ml	05547528.
Q Path® Coverquick 2000, 470 mPaS	500 ml	05547530.
Q Path® Coverquick 2000, 470 mPaS	1 L	05547531.
Q Path® Coverquick 3000, 610 mPaS	500 ml	05547537.
Q Path® Coverquick 4000, 920 mPaS	500 ml	05547539.

CHINESE INKS, Q PATH®

Vials with Chinese inks.

- Very long lasting non removable ink

Can be used in microscopy as marking ink.

In a plastic bottle.



ADJUNCTS FOR MICROSCOPY

Description	Pk	Cat. No.
Cryo-Jet Lamb's freezing aerosol	275 ml	361852T
Glycerin albumen, Gurr™	100 ml	361002Y
Glycerin albumen, Gurr™	500 ml	361004K

SPECIAL SOLVENTS FOR MICROSCOPY

Description	Pk	Cat. No.
safesolv solvent substitute, Q Path® for histology, for pathology	5 L	00699464.
Clean-Lab, Q Path® for paraffin removal	100 ml	10047400.

IMMERSION OIL

Immersion oil is used to increase microscope resolution.

- For immersing of the lens and specimen
- Transparent oil with high refractive index
- Increases the numerical aperture of an objective



630-1808

Description	Pk	Cat. No.
Immersion oil (8 ml)	1	630-1808



SLIDE WARMER/DRYER, W10

The W10 heating plate, with its sleek compact design, accommodates two rows of up to 40 slides in total. The heating plate is very useful as a stretch bench for mounting, stretching and drying paraffin sections on slides, fixing bacterial smears, and heating fluid samples in Petri dishes. The black anodised surface provides an excellent visual contrast. The working plate is made of solid 8 mm aluminium with black anodised surface and ensures a constant, homogenous temperature over the entire heating surface. The touch display and switch are protected from water and paraffin. The unit has over-temperature protection for extra safety. Temperature adjustment and power On/Off switch, with control light for 'On' mode, are conveniently located at the front of the unit.

- Electronic touch display
- Sleek and compact
- Ideal size for drying up to 40 slides
- Temperature range between ambient and +89 °C
- Digital thermostat

Accuracy: $\pm 1,0$ °C

External WxDxH: 146x486x70 mm

Weight: 3,1 kg

Power: 260 W

Protection class according to DIN EN 60529: IP 21

Description	Pk	Cat. No.
Slide warmer/dryer for histology slides, W10	1	720-2422



HISTOLOGY WATER BATH, W20

The reliable W20 histology water bath is ideal for removing wrinkles and distortions in paraffin wax sections which are created during sectioning. The unit's low profile is ergonomic, provides a clear view, and allows safe handling of sections. The indirectly-heated flat areas at the front and back of the bath provide a suitable space for drying up to 20 slides. Touch-temperature adjustment and power On/Off switch, with a control light for 'On' mode, are conveniently located at the front of the unit and protected from water.

- Electronic touch display
- Lightweight, compact and efficient size means it is easy to empty out water
- Double function with heated surface for drying up to 20 slides
- Temperature range between ambient and +70 °C
- Optional lid to prevent evaporation and dust contamination when not in use

Supplied without lid which, if required, must be ordered separately.

Temperature range (°C)	30...70
Accuracy (°C)	± 1
Thermostat	Digital
Int. WxDxH (mm)	198x156x60
Exterior WxDxH (mm)	247x280x78
Weight (kg)	2,4

Description	Pk	Cat. No.
Histology bath W20	1	720-2423

Description	For	Pk	Cat. No.
Accessories			
Lid	W20	1	720-2424



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VWR International GmbH
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Tel.: +43 1 97 002 0
info.at@vwr.com

BELGIUM

VWR International bv
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 (0) 16 385 011
vwr.be@vwr.com

CZECH REPUBLIC

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
info.cz@vwr.com

DENMARK

VWR International A/S
Tobaksvejen 21
2860 Søborg
Tel.: +45 43 86 87 88
info.dk@vwr.com

FINLAND

VWR International Oy
Valimotie 9
00380 Helsinki
Tel.: +358 (0) 9 80 45 51
info.fi@vwr.com

FRANCE

VWR International S.A.S.
Le Périgares – Bâtiment B
201, rue Carnot
94126 Fontenay-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00
(international)
info.fr@vwr.com
* 0,18 € TTC/min + prix appel

GERMANY

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Tel.: 0800 702 00 07* (national)
Tel.: +49 (0) 6151 3972 0
(international)
info.de@vwr.com
*Freecall

HUNGARY

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 52 521130
info.hu@vwr.com

IRELAND

VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 (0) 1 88 22 222
sales.ie@vwr.com

ITALY

VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02 3320311
info.it@vwr.com

THE NETHERLANDS

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 (0) 20 4808 400
info.nl@vwr.com

NORWAY

VWR International AS
Brynsalleen 4,
0667 Oslo
Tel.: +47 22 90 00 00
info.no@vwr.com

POLAND

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 58 32 38 200
info.pl@vwr.com

PORTUGAL

VWR International - Material de
Laboratório, Lda
Centro Empresarial de Alfragide
Rua da Indústria, nº 6
2610-088 Amadora
Tel.: +351 21 3600 770
info.pt@vwr.com

SPAIN

VWR International Eurolab S.L.U.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
info.es@vwr.com

SWEDEN

VWR International AB
Fagerstagatan 18a
163 94 Stockholm
Tel.: +46 (0) 8 621 34 00
kundservice.se@vwr.com

SWITZERLAND

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 (0) 44 745 13 13
info.ch@vwr.com

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
uksales@vwr.com

CHINA

VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: 400 821 8006
info_china@vwr.com

ÍNDIA

Avantor Performance Materials India
Limited
17th Floor, Building No. 5, Tower C
DLF Cyber City Phase - III
Gurgaon - 122002, Haryana
Tel.: +91-1244-65-6700
help@avantoric.com

KOREA

VWR International -
17, Daehak 4-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

MIDDLE EAST & AFRICA

VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park,
Dubai, United Arab Emirates
Tel.: +971 4 5573271
Info.mea@vwr.com

SINGAPORE

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel.: +65 6505 0760
sales.sg@vwr.com

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