

KERN OBN 141

The fluorescence microscope for the professional user

KERN



Category

Brand	Optics
Product category	Microscope
Product group	Fluorescence microscope
Product family	OBN-14

Construction

Dimension (W×D×H)	510×470×515 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	30°
Tube 360° rotation	✓
Tube type	Siedentopf
Light distribution	0:100 80:20

Contrasting methods

Bright field
Darkfield (optional)
Fluorescent
Polarisation (optional)
Phase contrast (optional)

Standard objectives

4×
10×
20×
40×
100×

Lens quality	Infinity Plan
Nosepiece screw-in locations	5
Interpupillary distance [Min]	50 mm
Interpupillary distance [Max]	75 mm
Diopter adjustment	both-sided
Diopter adjustment [Min]	-5
Diopter adjustment [Max]	5

Colour temperature	6000 K
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Ocular

Ocular type	Eyepiece HWF 10x / Ø 20mm with anti-fungus, high eye point
Ocular field width	HWF
Ocular magnifications	10x
Ocular visual field	20 mm
Ocular diameter	23,2 mm

Objective

Objectives - Details	Objective Infinity Plan 10x / 0,25 anti-fungus Objective Infinity Plan 100x / 1,25 oil, spring, anti-fungus Objective Infinity Plan 20x / 0,45 spring, anti-fungus Objective Infinity Plan 4x / 0,11 anti-fungus Objective Infinity Plan 40x / 0,65 spring, anti-fungus
Objectives magnifications	4x / 10x / 20x / 40x / 100x

Illumination

Illuminance	Reflected light Transmitted light
Illumination type incident light	LED
Illumination type transmitted light	LED
Illumination intensity incident light	5 W
Illumination intensity transmitted light	3 W
Illumination dimmable	Incident light + Transmitted light, separate
Koehler illumination	✓
Filter possible	✓
Field diaphragm	✓

Focussing

Field of view [Min]	0,2 mm
Field of view [Max]	5 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

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Fluorescent

Fluorescent unit Blue, Green (LED)

Condensor

Condensor type Abbe

Power Supply

Supplied power supply Power supply unit

Power supply type Power adapter

Plug-in power supply / adapter for countries - included with the delivery EURO

Plug-in power supply / adapter for countries - optional EURO
AUS
UK
US
CH

Input voltage power supply / power [Max] 100 V - 240 V AC 50/60 Hz 0,3 A

Power supply cable removable removable

Input voltage device / power [Max] 5 V, 1 A

Power socket for mains adapter Hollow plug, inside plus,
Ø outside 5,5 mm, Ø inside 2,5 mm, long 10 mm

Environmental conditions

Storage temperature [Min] -5 °C

Storage temperature [Max] 40 °C

Approval

CE mark ✓

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 510×470×500 mm

Shipping method Parcel service

Net weight approx. 13 kg

Gross weight approx. 15 kg

Shipping weight 24 kg

Product information

GTIN/EAN number 4045761482449

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

