

KERN OCM 166

The inverted biological laboratory microscope with fluorescence

KERN



Category	
Brand	Optics
Product category	Microscope
Product group	Inverted microscope
Product family	OCM-1

Construction	
Dimension (W×D×H)	782×304×530 mm
Optical system	Infinity
Tube type	Trinocular
Tube angle of inclination	45°
Tube type	Siedentopf
Light distribution	100:0
Contrasting methods	Bright field
	Phase contrast
	Fluorescent
	10×

Standard objectives	20×
	40×
	PH 20×
	Infinity Plan
Lens quality	5
Nosepiece screw-in locations	✓
Centring eyepiece	48 mm
Interpupillary distance [Min]	76 mm
Interpupillary distance [Max]	both-sided
Diopter adjustment	-5
Diopter adjustment [Min]	5
Diopter adjustment [Max]	

Ocular	
Ocular type	Eyepiece HWF 10 x / Ø 22mm with anti-fungus, high eye point

Ocular field width	HWF
Eye point	High Eye Point
Ocular magnifications	10 x
Ocular visual field	22 mm
Ocular diameter	30 mm

Objective	
Objectives - Details	Objective Infinity Plan 10 x / 0,25 LWD, Fluor, anti-fungus
	Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus
	PH-Objective Infinity Plan 20 x / 0,45 LWD, Fluor, anti-fungus
	Objective Infinity Plan 40 x / 0,65 LWD, Fluor, anti-fungus
Objectives magnifications	10 x / 20 x / 40 x

Illumination	
Illuminance	Reflected light Transmitted light
Illumination type incident light	HBO
Illumination type transmitted light	Halogen
Illumination intensity incident light	100 W
Illumination intensity transmitted light	30 W
Illumination dimmable	Transmitted light
Filter possible	✓
Aperture diaphragm	✓
Field diaphragm	✓
Brand of light bulb	Philips

Focussing	
Field of view [Min]	0,55 mm
Field of view [Max]	2,2 mm
Torque regulation	✓
Fine drive minimum	0,002 mm
Focusing mechanism	coaxial coarse and fine drive

Power Supply	
Supplied power supply	Power supply unit
Plug-in power supply type	Built-in power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO

KERN OCM 166



The inverted biological laboratory microscope with fluorescence

Plug-in power supply / adapter for countries - optional

AUS
UK
US
CH

Input voltage power supply / power [Max]

100 - 240 V

Input voltage device / power [Max]

100 - 240 V

Environmental conditions

Storage temperature [Min]

-5 °C

Storage temperature [Max]

40 °C

Approval

CE mark

✓

Packing & Shipping

Delivery time

2 d

Dimensions packaging (W×D×H)

1050×590×330 mm

Shipping method

Freight

Net weight approx.

22 kg

Gross weight approx.

28 kg

Shipping weight

40,9 kg

Pictograms

STANDARD

