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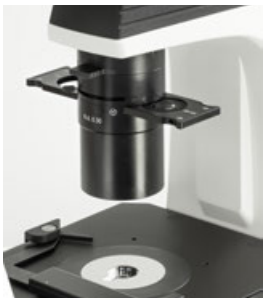
OCM 161

OCM 165-168



N.A. 0,3 Abbe Condenser with phase contrast slide

Coaxial control knobs for x/y can be fitted either left or right

LAB LINE

The inverted biological laboratory microscope – also with fluorescence

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Features

- The OCM range stands out through its design which is ergonomic, robust and extremely stable. This design, with its large working distance, is particularly suitable for the monitoring and analysis of cell cultures, for example
- A strong and continuously adjustable 30W halogen illumination unit ensures the optimum illumination in the bright field of your samples. In addition, either an Osram 100 W-HBO- (OCM 165/166) or a 5 W-LED Epi fluorescence incident illumination unit (OCM 167/168) are available to you as a fluorescence microscope for perfect illumination and stimulation of your fluorescence samples
- A special Abbe N.A. 0.3 condenser with aperture diaphragm and large working distance of 72 mm guarantees the very best working practise in the bright field and with fluorescence applications
- As standard, the OCM range is fitted with a trinocular eyepiece tube
- The mechanical stage including specimen holder (ø 110 mm) means that you can work quickly and effectively. Further brackets for petri dishes are included with delivery or available as accessories
- Further options such as, for example, a selection of eyepieces, objectives, specimen holders and other phase contrast units can be integrated as accessories
- A dust cover as well as user instructions are included with the delivery
- Please find detailed information in the following model outfit list

Scope of application

- Research and breeding of cell cultures and tissue cultures

Applications/Samples

- Particularly for viewing samples in culture vessels (flasks, petri dishes, microtitre plates), translucent, thin, low-contrast, challenging samples (e.g. living mammal cells, tissue, microorganisms if necessary, immunofluorescence, FISH, DAPI staining etc.)

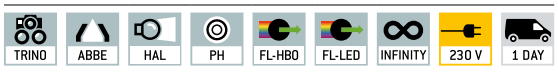
Technical data

- Infinity optical system
- Quintuple nosepiece
- Siedentopf 45° inclined
- Diopter adjustment: Both-sided

OCM 161
- Overall dimensions W×D×H 304×599×530 mm
- Net weight approx. 13,5 kg

OCM 165-168
- Overall dimensions W×D×H 304×782×530 mm
- Net weight approx. 21 kg

STANDARD



Model KERN	Standard configuration					Price excl. of VAT ex works €
	Tube	Eyepiece	Objective quality	Objectives	Illumination	
OCM 161	Trinocular	HWF 10×/ø 22 mm	Infinity Plan	LWD10×/LWD20×/ LWD40×/LWD20×PH	30 W Halogen (transmitted)	**3190,–**
OCM 165	Trinocular	HWF 10×/ø 22 mm	Infinity Plan		30 W Halogen + 100 W Epi Fluorescence (B/G)	**7790,–**
OCM 166	Trinocular	HWF 10×/ø 22 mm	Infinity Plan		30 W Halogen + 100 W Epi Fluorescence (UV/V/B/G)	**9100,–**
OCM 167	Trinocular	HWF 10×/ø 22 mm	Infinity Plan		5W-LED + 5W Epi Fluorescence (B/G)	**7790,–**
OCM 168	Trinocular	HWF 10×/ø 22 mm	Infinity Plan		5W-LED + 5W Epi Fluorescence (UV/V/B/G)	**9100,–**

Model outfit		Model KERN					Order number	Price/piece excl. of VAT ex works €
		OCM 161	OCM 165	OCM 166	OCM 167	OCM 168		
Eyepieces (30 mm)	HWF 10×/⌀ 22 mm (adjustable)	✓✓	✓✓	✓✓	✓✓	✓✓	OBB-A1491	**90,–**
	HWF 10×/⌀ 22 mm (reticule 0,1 mm) (adjustable)	○	○	○	○	○	OBB-A1523	**140,–**
Infinity Plan achromatic Fluor objectives for long working distance	4×/0,11 W.D. 12,1 mm	○	○	○	○	○	OBB-A1600	**120,–**
	10×/0,25 W.D. 10,3 mm	✓	✓	✓	✓	✓	OBB-A1601	**180,–**
	20×/0,40 W.D. 5,8 mm	✓	✓	✓	✓	✓	OBB-A1602	**250,–**
	40×/0,60 W.D. 5,1 mm	✓	✓	✓	✓	✓	OBB-A1603	**310,–**
Trinocular tube	· 45° inclined · Interpupillary distance 48–76 mm · Light distribution 100:0 · Diopter adjustment: Both-sided	✓	✓	✓	✓	✓		
Mechanical stage	· Stage size W×D 210×241 mm · Travel 128×80 mm · Coaxial coarse and fine focusing knobs · The x/y control knobs can be fitted either left or right · Suitable for attaching a 96-hole microtitre plate	✓	✓	✓	✓	✓		
	Drop specimen holder (⌀ 110)	✓	✓	✓	✓	✓	OBB-A1503	**30,–**
	Specimen holder for 35 mm culture dish	○	○	○	○	○	OBB-A1507	**60,–**
	Specimen holder for 54 mm culture dish	✓	✓	✓	✓	✓	OBB-A1506	**60,–**
	Specimen holder for 65 mm culture dish	○	○	○	○	○	OBB-A1505	**60,–**
Condenser	Abbe N.A. 0,3 (aperture diaphragm), LWD 72 mm	✓	✓	✓	✓	✓		
Illumination	30 W Halogen spare bulb (transmitted)	✓	✓	✓			OBB-A1372	**35,–**
	5 W LED spare bulb (transmitted)				✓	✓	OBB-A1589	**75,–**
Phase contrast units	Phase contrast slide 4x	○	○	○	○	○	OBB-A1608	**80,–**
	Phase contrast slide 10x	✓	✓	✓	✓	✓	OBB-A1609	**80,–**
	Phase contrast slide 20x/40x	✓	✓	✓	✓	✓	OBB-A1610	**80,–**
	Infinity PH-Plan Fluor objective 4×	○	○	○	○	○	OBB-A1604	**590,–**
	Infinity PH-Plan Fluor objective 10x	○	○	○	○	○	OBB-A1605	**220,–**
	Infinity PH-Plan Fluor objective 20x	✓	✓	✓	✓	✓	OBB-A1606	**310,–**
	Infinity PH-Plan Fluor objective 40x	○	○	○	○	○	OBB-A1607	**350,–**
	Centering eyepiece	○	○	○	○	○	OBB-A1544	**110,–**
Fluorescence unit	100 W HBO Epi Fluorescence unit, two-hole slide (B/G)		✓					
	100 W HBO Epi Fluorescence unit, four-hole slide (UV/V/B/G)			✓				
	5 W HBO Epi Fluorescence unit, two-hole slide (B/G)				✓			
	5 W HBO Epi Fluorescence unit, four-hole slide (UV/V/B/G)					✓		
Colour filters for transmitted illumination	Blue	✓	✓	✓	✓	✓	OBB-A1510	**19,–**
	Green	✓	✓	✓	✓	✓	OBB-A1511	**19,–**
	Yellow	○	○	○	○	○	OBB-A1512	**19,–**
	Grey	○	○	○	○	○	OBB-A1513	**19,–**
C-Mount	0,5×	○	○	○	○	○	OBB-A1515	**185,–**
	1×	○	○	○	○	○	OBB-A1514	**120,–**

✓ = Included with delivery ○ = Option