



OCM 161/162



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

Features

- The OCM range stands out through its design which is ergonomic, robust and extremely stable
- Strong and infinitely adjustable 30 W halogen illumination respectively 5W LED illumination ensures the optimum illumination in the bright field of your samples. Models with an additional fluorescence unit are available with either an Osram 100W HBO or a 5W LED epi-fluorescence illumination unit
- 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
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list.
- 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 optics
- Quintuple nosepiece
- Siedentopf 45° inclined
- Diopter adjustment, both-sided

OCM 161/162

- Overall dimensions W×D×H 660×600×335 mm
- Net weight approx. 15 kg

OCM 165-168

- Overall dimensions W×D×H 782×304×530 mm
- Net weight approx. 22 kg

STANDARD

TRINO	ABBE	HAL	LED	FL-HBO	FL-LED	PH	INFINITY	230 V	1 DAY	2 DAYS
OCM 161/165/166			OCM 162/167/168	OCM 165/166	OCM 167/168				OCM 161/162	OCM 165-168

Model	Tube	Eyepiece	Objective quality	Objectives	Illumination
KERN					
OCM 161	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen (transmitted)
OCM 162 <small>NEW</small>	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	5 W LED (transmitted)
OCM 165	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen + 100 W Epi Fluorescence (B/G)
OCM 166	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen + 100 W Epi Fluorescence (UV/V/B/G)
OCM 167	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	5 W LED + 5 W LED Epi Fluorescence (B/G)
OCM 168	Trinocular	HWF 10x/Ø 22 mm	Infinity Plan	10x / 20x / 40x	5 W LED + 5 W LED Epi Fluorescence (UV/V/B/G)

NEW New model

Inverted Microscope KERN OCM-1

Model outfit		Model KERN						Order number
		OCM	OCM	OCM	OCM	OCM	OCM	
		161	162	165	166	167	168	
Eyepieces (30 mm)	HWF 10x/Ø 22 mm (adjustable)	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	OBB-A1491
	HWF 10x/Ø 22 mm (reticule 0,1 mm) (adjustable)	○	○	○	○	○	○	OBB-A1523
Infinity Plan achromatic Fluor objectives for long working distance	4x/0,11 W.D. 12,1 mm	○	○	○	○	○	○	OBB-A1600
	10x/0,25 W.D. 10,3 mm	✓	✓	✓	✓	✓	✓	OBB-A1601
	20x/0,45 W.D. 5,8 mm	✓	✓	✓	✓	✓	✓	OBB-A1602
	40x/0,65 W.D. 5,1 mm	✓	✓	✓	✓	✓	✓	OBB-A1603
Trinocular tube	<ul style="list-style-type: none"> · 45° inclined · Interpupillary distance 48–76 mm · Light distribution 100:0 · Diopter adjustment: Both-sided 	✓	✓	✓	✓	✓	✓	
Mechanical stage	<ul style="list-style-type: none"> · 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 	✓	✓	✓	✓	✓	✓	
	Specimen holder (Ø 110)	✓	✓	✓	✓	✓	✓	OBB-A1503
	Specimen holder for 35 mm petri dish	○	○	○	○	○	○	OBB-A1507
	Specimen holder for 54 mm petri dish	✓	✓	✓	✓	✓	✓	OBB-A1506
	Specimen holder for 65 mm petri dish	○	○	○	○	○	○	OBB-A1505
Condenser	Abbe N.A. 0,3 (aperture diaphragm), LWD 72 mm	✓	✓	✓	✓	✓	✓	
Phase contrast units	Phase contrast slide 4x	○		○	○	○	○	OBB-A1608
	Phase contrast slide 10x	✓	✓	✓	✓	✓	✓	OBB-A1609
	Phase contrast slide 20x/40x	✓	✓	✓	✓	✓	✓	OBB-A1610
	Infinity PH-Plan Fluor objective 4x	○	○	○	○	○	○	OBB-A1604
	Infinity PH-Plan Fluor objective 10x	○	○	○	○	○	○	OBB-A1605
	Infinity PH-Plan Fluor objective 20x	✓	✓	✓	✓	✓	✓	OBB-A1606
	Infinity PH-Plan Fluor objective 40x	○	○	○	○	○	○	OBB-A1607
	Centring eyepiece	✓	✓	✓	✓	✓	✓	OBB-A1544
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
	Green	✓	✓	✓	✓	✓	✓	OBB-A1511
	Yellow	○	○	○	○	○	○	OBB-A1512
	Grey	○	○	○	○	○	○	OBB-A1513
C-Mount	0,5x (focus adjustable)	○	○	○	○	○	○	OBB-A1515
	1x	○	○	○	○	○	○	OBB-A1514

✓ = included with the delivery

○ = Option

Further accessories and spare parts see *internet*