



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
- A powerful and continuously adjustable 30 W halogen illumination or 5 W LED illumination ensures optimum illumination in the bright field of your samples. For the models with an additional fluorescence unit, you can choose either an Osram 100 W-HBO- or an 5 W-LED epi-fluorescence 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 (∅ 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



Model	Tube	Eyepiece	Objective quality	Objectives	Illumination
OCM 161	Trinocular	HWF 10x/∅ 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen (transmitted)
OCM 162 <small>NEW</small>	Trinocular	HWF 10x/∅ 22 mm	Infinity Plan	10x / 20x / 40x	5 W LED (transmitted)
OCM 165	Trinocular	HWF 10x/∅ 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen + 100 W Epi Fluorescence (B/G)
OCM 166	Trinocular	HWF 10x/∅ 22 mm	Infinity Plan	10x / 20x / 40x	30 W Halogen + 100 W Epi Fluorescence (UV/V/B/G)
OCM 167	Trinocular	HWF 10x/∅ 22 mm	Infinity Plan	10x / 20x / 40x	5 W LED + 5 W LED Epi Fluorescence (B/G)
OCM 168	Trinocular	HWF 10x/∅ 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 161	OCM 162	OCM 165	OCM 166	OCM 167	OCM 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	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 mm – 76 mm · Light distribution 100:0 · Diopter adjustment both-sided 	✓	✓	✓	✓	✓	✓	
Mechanical stage	<ul style="list-style-type: none"> · Stage size B×T 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 microtiter 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 (with 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
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*