



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

#### 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

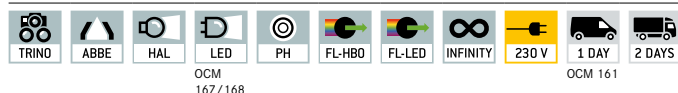
#### OCM 161

- 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

#### Standard configuration

|                | Tube       | Eyepiece        | Objective quality | Objectives                        | Illumination  | Price<br>excl. of VAT<br>ex works<br>€ |
|----------------|------------|-----------------|-------------------|-----------------------------------|---|--|
| <b>KERN</b>    |            |                 |                   |                                   |   |  |
| <b>OCM 161</b> | Trinocular | HWF 10×/Ø 22 mm | Infinity Plan     |                                   | 30 W Halogen (transmitted)                          | <b>3790,-</b>                          |
| <b>OCM 165</b> | Trinocular | HWF 10×/Ø 22 mm | Infinity Plan     |                                   | 30 W Halogen +<br>100 W Epi Fluorescence (B/G)      | <b>9180,-</b>                          |
| <b>OCM 166</b> | Trinocular | HWF 10×/Ø 22 mm | Infinity Plan     | LWD10×/LWD20×/<br>LWD40×/LWD20×PH | 30 W Halogen +<br>100 W Epi Fluorescence (UV/V/B/G) | <b>10790,-</b>                         |
| <b>OCM 167</b> | Trinocular | HWF 10×/Ø 22 mm | Infinity Plan     |                                   | 5W-LED + 5W Epi Fluorescence (B/G)                  | <b>9180,-</b>                          |
| <b>OCM 168</b> | Trinocular | HWF 10×/Ø 22 mm | Infinity Plan     |                                   | 5W-LED + 5W Epi Fluorescence (UV/V/B/G)             | <b>10790,-</b>                         |

| Model outfit   |  | Model KERN |            |            |            |            | Order number | Price/piece<br>excl. of VAT<br>ex works<br>€ |
|--|--|------------|------------|------------|------------|------------|--------------|--|
|  |  | OCM<br>161 | OCM<br>165 | OCM<br>166 | OCM<br>167 | OCM<br>168 |              |  |
| <b>Eyepieces</b><br>(30 mm)  | HWF 10×/ø 22 mm (adjustable)   | ✓✓         | ✓✓         | ✓✓         | ✓✓         | ✓✓         | OBB-A1491    | 100,–  |
|  | HWF 10×/ø 22 mm (reticule 0,1 mm) (adjustable)   | ○          | ○          | ○          | ○          | ○          | OBB-A1523    | 155,–  |
| <b>Infinity<br/>Plan achromatic<br/>Fluor objectives</b><br>for long working<br>distance | 4×/0,11 W.D. 12,1 mm   | ○          | ○          | ○          | ○          | ○          | OBB-A1600    | 140,–  |
|  | 10×/0,25 W.D. 10,3 mm  | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1601    | 210,–  |
|  | 20×/0,45 W.D. 5,8 mm   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1602    | 290,–  |
|  | 40×/0,65 W.D. 5,1 mm   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1603    | 360,–  |
| <b>Trinocular tube</b>   | • 45° inclined<br>• Interpupillary distance 48–76 mm<br>• Light distribution 100:0<br>• Diopter adjustment: Both-sided   | ✓          | ✓          | ✓          | ✓          | ✓          |              |  |
|  | • Stage size W×D 210×241 mm<br>• Travel 128×80 mm<br>• Coaxial coarse and fine focusing knobs<br>• The x/y control knobs can be fitted either left or right<br>• Suitable for attaching a 96-hole microtitre plate | ✓          | ✓          | ✓          | ✓          | ✓          |              |  |
| <b>Mechanical stage</b>  | Drop specimen holder (ø 110)   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1503    | 35,–   |
|  | Specimen holder for 35 mm culture dish   | ○          | ○          | ○          | ○          | ○          | OBB-A1507    | 65,–   |
|  | Specimen holder for 54 mm culture dish   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1506    | 65,–   |
|  | Specimen holder for 65 mm culture dish   | ○          | ○          | ○          | ○          | ○          | OBB-A1505    | 65,–   |
| <b>Condenser</b>   | Abbe N.A. 0,3 (aperture diaphragm),<br>LWD 72 mm   | ✓          | ✓          | ✓          | ✓          | ✓          |              |  |
| <b>Illumination</b>  | 30 W Halogen spare bulb (transmitted)  | ✓          | ✓          | ✓          |            |            | OBB-A1372    | 40,–   |
|  | 5 W LED spare bulb (transmitted)   |            |            |            | ✓          | ✓          | OBB-A1589    | 90,–   |
| <b>Phase contrast units</b>  | Phase contrast slide 4×  | ○          | ○          | ○          | ○          | ○          | OBB-A1608    | 95,–   |
|  | Phase contrast slide 10×   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1609    | 95,–   |
|  | Phase contrast slide 20×/40×   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1610    | 95,–   |
|  | Infinity PH-Plan Fluor objective 4×  | ○          | ○          | ○          | ○          | ○          | OBB-A1604    | 680,–  |
|  | Infinity PH-Plan Fluor objective 10×   | ○          | ○          | ○          | ○          | ○          | OBB-A1605    | 260,–  |
|  | Infinity PH-Plan Fluor objective 20×   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1606    | 360,–  |
|  | Infinity PH-Plan Fluor objective 40×   | ○          | ○          | ○          | ○          | ○          | OBB-A1607    | 410,–  |
|  | Centering eyepiece   | ○          | ○          | ○          | ○          | ○          | OBB-A1544    | 120,–  |
| <b>Fluorescence unit</b>   | 100 W HBO Epi Fluorescence unit, two-hole slide (B/G)  |            | ✓          |            |            |            |              |  |
|  | 100 W HBO Epi Fluorescence unit, four-hole slide<br>(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)  |            |            |            |            | ✓          |              |  |
| <b>Colour filters</b><br>for transmitted<br>illumination                                 | Blue   | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1510    | 25,–   |
|  | Green  | ✓          | ✓          | ✓          | ✓          | ✓          | OBB-A1511    | 25,–   |
|  | Yellow   | ○          | ○          | ○          | ○          | ○          | OBB-A1512    | 25,–   |
|  | Grey   | ○          | ○          | ○          | ○          | ○          | OBB-A1513    | 25,–   |
| <b>C-Mount</b>   | 0,5×   | ○          | ○          | ○          | ○          | ○          | OBB-A1515    | 200,–  |
|  | 1×   | ○          | ○          | ○          | ○          | ○          | OBB-A1514    | 130,–  |

✓ = Included with delivery

○ = Option