

OPTEK

Precision Optical Instruments

Biological



OBM300 Laboratory Microscope



The OBM-300 series introduces a new standard of performance to the **OPTEK** range of laboratory microscopes. These solidly constructed instruments are available in three formats:

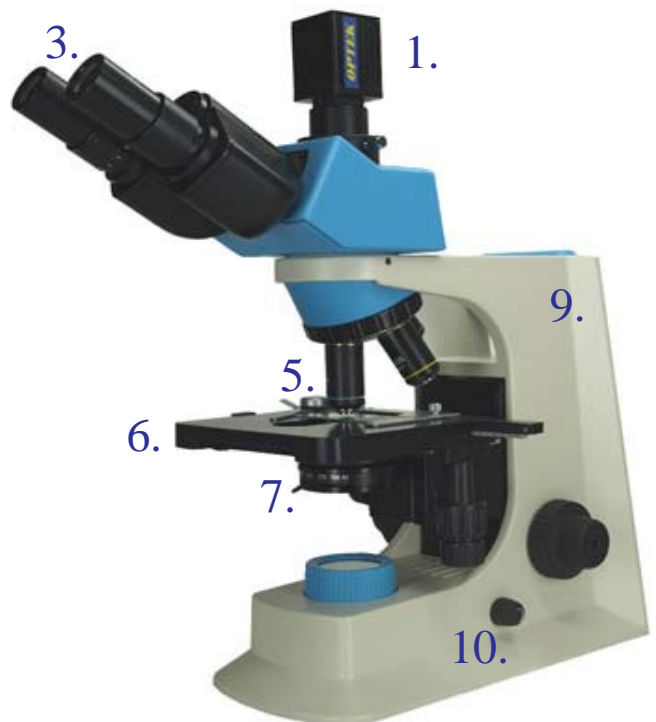
- a. Binocular (standard)
- b. Trinocular (for your camera attachment)
- c. Trinocular with a high performance Digital USB2.0 Colour Camera package

The Digital USB2.0 cameras include:

- i. 3Mpixel high performance
- ii. 5Mpixel super performance
- iii. 9Mpixel hyper performance

These cameras include drivers and capture software for PC (WinXP). Further details on request

1. Digital Camera with adapter fitted to trinocular head
2. Seidentopf type Binocular viewing tube (diopter adjustment on one tube)
3. 10xWF eyepieces
4. Reverse angle nosepiece
5. Planachromat objectives (DIN standard) 4x, 10x, 40x, 100x
6. Double layer mechanical stage with coaxial, low position stage controls
7. Abbe condensor with (graduated) iris diaphragm on substage
8. Coaxial coarse & fine focusing with tension adjustment
9. Single casting microscope frame incorporating hand grip
10. Light intensity control





The OBM-300 provides a high quality stable platform for the serious microscopist. Various objective sets are available to tailor the system to the operator's requirements including (optional):

- a.High Resolution Infinity Corrected Plan Fluorite objectives*
- b.Non-coverslip corrected Planachromat objectives (suitable for clinical applications)
- c.100x non oil immersion (dry) objective
- d.Plan Phase objectives

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Part	Specifications
- Stand	Stable frame with good footprint size for stability
- Viewing tube	Standard Seidentopf binocular viewing tube with diopter adjustment (standard), 30 degree inclined, 360 degree rotatable. Adjustable interpupillary distance range 55 - 75mm. Optional Trinocular head
- Eyepieces	Paired 10x widefield type
- Nosepiece	Quadruple reverse angle nosepiece (precision ball bearing type)
- Objectives	High colour correction 160mm DIN standard Planachromat objectives 4x, 10x, 40x(s), 100x(s,oil)
- Stage	Precision, double layer, built-in mechanical stage 180 x 150mm with X/Y travel of 75 x 50mm. Equipped with springloaded slide caliper. Low position, coaxial XY controls.
- Condensor	Abbe condensor NA1.25 with iris diaphragm and filter holder mounted on centerable mechanical substage with rack & pinion height adjustment
- Focusing	Precision coaxial coarse & fine focusing controls
- Illumination	Halogen 6V 20W lighting system with variable intensity control
- Electrical	CE standard 230V 50Hz power requirement (earthed power supply)
- Optional	Digital/Video viewing systems ; Phase Contrast outfits (simple & full sets available) ; Darkfield accessories ; Polarization kits ; Multi-viewing attachments ; Epi-Fuorescence system ; Epi-illumination accessory

Due to a program of development, the manufacturer reserves the right to change design/specifications without notice

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