



OS45

Engineered for precision. Designed for clarity. Built to perform.

Your go-to solution for high-resolution lab work and long observation sessions.



Introducing OS45

The OS45 Series Microscope is built for demanding lab environments, offering exceptional image clarity and user comfort. Its upgraded NIS infinity optical system, paired with high NA plan achromatic objectives and multilayer coating, ensures sharp and extendable imaging performance. With user-friendly features like a front LCD status display, universal condenser, and ergonomic focus mechanisms, the OS45 makes advanced microscopy both intuitive and efficient.

OS45

Highlights

The OS45 combines advanced optics, ergonomic design, and real-time status feedback to deliver clarity, comfort, and control in every lab session.



Quintuple Nosepiece



Universal Condenser



Two Slide Stage



Comfortable and Worry Free Focus Knob

OS45

Specifications

Model	OS45
Body	Aluminum die-cast metal frame, anti-rust and anti-corrosion
Optical System	Infinity optical system
Illumination	Built-in Koehler illumination for transmitted light 3W LED transmitted illumination system with variable control color temperature from 3000K to 7000K with a long life time up to 60,000 hr.
Focusing	Coarse movement stroke: 28 mm Coarse adjustment limit stopper Torque adjustment for coarse adjustment knob high sensitivity fine focusing knob (minimum adjustment gradations: 1 μ m) with a long life time up to 60,000 hr.
Revolving Nosepiece	Quintuple coded nosepiece with inward tilt.
Eyepiece	10X, Field Number 22mm (Anti fungus)
Head	* Binocular, 30° including with 360 degree rotation, Interpupillary distance adjusting range 47-78 mm, Eyepoint adjustment from 410mm to 455 mm (Excluding Fluorescence Units). * Trinocular, 30° including with light beam splitter 50%:50%, Interpupillary distance adjusting range 47-78 mm, Eyepoint adjustment from 410mm to 455 mm (Excluding Fluorescence Units). * Trinocular, 30° including with light beam splitter 100%:0%/0%:100%, Interpupillary distance adjusting range 47-78 mm, Eyepoint adjustment from 410mm to 455 mm (Excluding Fluorescence Units). * Tilting Trinocular including 0° beam splitter including with light beam splitter
Stage	Rackless stage 235mm X 150mm Traveling range (X x Y): 78 mm x 54 mm Specimen holder for two Slides with spring lever Specimen position scale
Objectives	All Objectives series are Anti-Fungus. Infinity Plan Achromat objectives 4X, 10X, 20X, 40X and 100XOil (Optional 60X). Infinity Plan Phase Contrast objectives (10X, 20X, 40X and 100XOil) Infinity plan S-Apo Achromat objective (4X,10X,20X,40X and 100XOil)
Condenser	Abbe condenser NA 1.25 with Iris diaphragm. Swing-out Achromatic Condenser(NA0.9/1.25),with Iris diaphragm. Phase Contrast Turret, Condenser NA 1.25
Fluorescence attachment	LED illumination 4-position fluorescent turret, with Iris diaphragm 6-position fluorescent turret, with Iris diaphragm Standard 3 Fluorescence cubes DAPI, FITC and TRITC