

OPTIC102 BIOLOGICAL BINOCULAR MICROSCOPE



Application:

OPTIC102 Biological Microscope is a cost effective, advanced, laboratory microscope, specially designed for the fields of medicine, clinical and biological research. This type of microscope can be supplied with refocus stage. It can also be equipped with universal infinity independent plan achromatic system, chromatic aberrations, and curvature of field are both ideally corrected over the field of view. The objectives have high NA's producing crisp, clear images with minimal flare.

High eye point, wide field of view eyepiece, and its diopter are adjustable. Standard 10X eyepieces view field can be adjusted between 20mm and 22mm. In addition, the high eye point eyepiece with the distance up to 21mm view field can bring you wider vision and more comfortable feeling.

Features:

Infinity Independent Plan Achromatic Optical System F=200mm viewing head, Siedentop binocular tube, Interpupillary distance 52\ 75mm, 30 inclined, 360 rotatable, diopter adjustable.

Super LED illumination greatly extending the life of the illumination system. New anti-mold, damp-proof optical system is adopted to meet different changing environments. High bright, non-spherical illumination system. No overheating problems in the base. Long life-span LED lamp removes the trouble to replace light bulbs frequently. Optional build in high-capacity rechargeable battery provides 50 hours working without power supply.

Technical Specifications:

OPTICS	Finity optical system Seidentopf binocular tube, Interpupillary distance 52 – 75mm, 30 inclined, 360 rotatable, diopter adjustable;
EYEPIECE	WF10X/18mm
NOSEPIECE	Quadruple outward
OBJECTIVES	Achromatic 4X/0.10, WD=13mm Achromatic 10X/0.25, WD=6.3mm Achromatic 40X/0.65 (S), WD=0.44mm Achromatic 100X/1.25 (S, O), WD=0.3mm
STAGE	Stage, 115 X 125mm, 50 X 70mm mechanical translation stage with XY coaxial control knob;
CONDENSER	Abbe condenser, NA=1.25, highly adjustable, iris diaphragm;
DARK FIELD	4X – 40X
FOCUSING	Coaxial coarse and fine adjustment, 0.20µm graduation;
ILLUMINATION	6V/20W Halogen bulb – Power 110-240V, 0.5A, halogen bulb socket G4 3W LED bulb
FILTER	Blue
PACKAGING	1 box, GW: 6.5kg, NW: 5.5kg, Measure: 33.7 X 24.2 X 41.7cm