



OPTIC70 – Standard Upright Binocular Biological Microscope

Max. Magnification up to 1000X

Download
Catalogue



Is compact, maintenance free, economical microscope, excellent solution for Educational life science, Clinical Laboratory.

Transmitted light ,

- Integrated Carry Handle
- Coaxial X-Y axis right hand mechanical stage, 0,1mm division Vernier scale on the two axes, accuracy: 0.1 mm.
- High quality optical system infinity corrected Standard DIN 160mm
- Microscope full metal body, provide stability of instruments.
- Fine and Coarse Coaxial Focusing Block, Microscope Stage is full made from metal parts to provide accurate and durable exploitation
- Antimicrobial body Coating
- Antifungal Coating full optical path
- Binocular/Trinocular Head
- Integrated carry handle
- Eyepiece: WF10X18 for inner tube diameter 23mm
- Condenser: Abbe Condenser NA1.25 with Iris Diaphragm 32mm with filter holder, high levelling, centering
- Viewing Head: 30° Inclined and 360° rotating
- Diopters Adjustment on left ocular
- Chemical resistance coating

FOCUSING

- Coaxial coarse and fine adjustments. (Coarse moving r. 16mm Fine Moving r.0.4mm,)
- Fine graduation 100, resolution 4 μm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives.
- The coarse adjustments are equipped with friction control

ILLUMINATION

- 1W adjustable X-LED1 illumination white color 6.500K, with Left hand-controlled knob
- The innovative design offer larger apertures, allowing the optical system of the microscope to produce images at higher resolutions very close to the theoretical diffraction limit of the optics.
- Other benefit is the low energy consumption, no heating and a long operating lifetime



Upright Light Microscope

Light weight, Economical, adopted to the educational needs



Head 30° Inclined and 360° rotating

Binocular or Trinocular head



Chemical resistance coating

Antimicrobial/Antifungal Coating



Innovative illumination system

External power supply 100-240Vac/50-60hZ, wite colour temperature 6.500K, X-LED1 portable energy saving light source provide life time more then 68.000 hours of operation. with LI-ion Battery provide autonomy with full light intensity of 17 hour with charging time les then 6 hour.,



| OPTIC70BL | CONFIGURATION |
|--|---------------|
| Binocular, Interpupillary distance 48 -75mm | ● |
| Eyepiece WF10x/18 | ● |
| High eye -point plan eyepiece WF10X/18 | ○ |
| High eye -point plan eyepiece WF10X/20 | ○ |
| High eye -point plan eyepiece WF16x10 (pointer) | ○ |
| N-plan Objective 4X N.A.0.10 WD 15.2mm (anti-fungus treatment) | ● |
| N-Plan Objective 10X N.A.0.25 WD 5.5mm (anti-fungus treatment) | ● |
| N-Plan Objective 40X N.A.0.65 WD 0.45mm (anti-fungus treatment) | ● |
| N-Plan Objective 100X N.A.1.25 WD 0.13mm (anti-fungus treatment) | ● |
| Semi Plan Achromatic Objective 4X N.A.0.10 (anti-fungus treatment) | ○ |
| Semi Plan Achromatic Objective 10X N.A.0.25 (anti-fungus treatment) | ○ |
| Semi Plan Achromatic Objective 40X N.A.0.65 (anti-fungus treatment) | ○ |
| Semi Plan Achromatic Objective 100X N.A.1.25 (oil) (anti-fungus treatment) | ○ |
| Plan Achromatic Objective 4X N.A.0.10 (anti-fungus treatment) | ○ |
| Plan Achromatic Objective 10X N.A.0.25 (anti-fungus treatment) | ○ |
| Plan Achromatic Objective 40X N.A.0.65 (anti-fungus treatment) | ○ |
| Semi Plan Achromatic Objective 100X N.A.1.25 (oil) (anti-fungus treatment) | ○ |
| Mechanical Stage, XY moving, right-handed, 125X116mm, movement range 70X30mm with slide holder up to 2 pcs | ● |
| Mechanical Stage, ceramic, 134X130mm, movement range 77X48mm | ○ |
| Quadruple Nosepiece, inward facing with click stop | ● |
| Condenser: Abbe N.A. 1.25, pre-centered, focusable, with iris diaphragm. | ● |
| Kohler Illuminator (No field diaphragm) | ● |
| Kohler Illuminator (With field diaphragm) | ○ |
| 6V 20W Tungsten-Halogen Lamps | ○ |
| 6V 30W Tungsten-Halogen Lamps | ○ |
| 1W X-LED1 Lamp 6.500K white | ○ |
| 3W LED Lamp | ● |
| Standard accessories: Power cord, transformer, 10ml immersion oil, Dust cover, User manual, ϕ 2mm Allen screwdriver | ● |
| Dimension mm D*W*H | 320*170*350 |
| NW | 4kg |

Please note

If this Microscope does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts

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