

OPTIKA

M I C R O S C O P E S
I T A L Y



**Microscopio Binocular LED
con Batería Recargable 1000X
Modelo: B-69**

DESCRIPCIÓN:

Microscopio Binocular B-69 OPTIKA con aumentos de hasta 1000x para ser usado por principiantes, aficionados a la microscopia o estudiantes de primaria, con un iluminación Led (65.000 horas, 22 años en el caso de 8 horas/día) y baterías recargables con una autonomía de 4 horas a intensidad media. Incluye objetivos de 4x, 10x, 40x y 100x acromáticos con tratamiento anti-hogos consiguiendo aumentos de 40x, 100x, 400x y 1000x.

CARACTERÍSTICAS:

- **Modelo:** B-69.
- **Cabezal Binocular:** Inclínada 30 ° y Rotación de 360 °.
- **Ocular:** WF10x / 18 mm fijado con tornillo y ajuste dióptrico.
- **Revólver giratorio:** Invertido con rodamientos de cuatro bolas.
- **Objetivos:**
 - Acromático 4x/0.10, con tratamiento anti hongos
 - Acromático 10x/0.25, con tratamiento anti hongos
 - Acromático 40x/0.65, con tratamiento anti hongos
 - Acromático 100x / 1.25, (aceite)
- **Platina mecánica:** Borrable StagErase TM para evitar rayaduras con rango de movimiento XY de 125×125mm.
- **Mecanismo de enfoque:** Coaxial grueso y fino con tope para evitar el contacto entre el objetivo y la muestra.
- **Condensador:** Abbe NA 1.25, pre-centrado, enfocable, con diafragma iris.
- **Iluminación:** LED de 1 W, con control de brillo y baterías recargables.
- **Fuente de alimentación:** Externa multienchufe 100-240Vac / 5Vdc.

ESPECIFICACIONES:

| | | |
|---|--|------------------------|
| Observation Method - Transmitted Light | Brightfield | Yes |
| | Simple polarized light | As optional |
| Main Body | Type | Upright |
| | Construction material | Aluminum die-cast |
| | Transportation handle | Yes |
| Head | Type | Binocular (Siedentopf) |
| | Inclination | 30° |
| | 360° rotating | Yes |
| | Interpupillary distance (mm) | 55-75 |
| | Diopter adjustment | On left tube |
| | Fixing screw for eyepieces | Yes |
| | Tube inner diameter (mm) | 23 |
| Eyepieces | Field number (mm) | 18 |
| | Magnification | 10x |
| | Pointer | As optional |
| | Micrometric scale | As optional |
| Nosepiece | Positions | Quadruple |
| | Reversed | Yes |
| | Bi-directional | Yes |
| | Rotation on ball bearings | Yes |
| | Objective thread | RMS |
| Objectives | Optical system | 160 |
| | Anti-fungus treatment | Yes |
| | Parfocal distance (mm) | 45 |
| | Standard magnifications | 40x-1000x |
| | Type | Achromatic |
| | | 4x/0.10, W.D. 10.6 mm |
| | | 10x/0.25, W.D. 7.0 mm |
| | 40x/0.65, W.D. 0.5 mm | |
| | 100x/1.25 (Oil), W.D. 0.13 mm | |
| Stage | Type | Double layer |
| | Dimensions (mm) | 125x125 |
| | Moving mechanism | Rack and pinion |
| | Moving range (mm) | 62x24 |
| | Material | Anti-scratch painting |
| | Specimen holder | Yes |
| | Slide number | 1 |
| | X-Y movement | Yes |
| | X-Y Vernier scale | Yes |
| | Vernier scale accuracy (mm) | 0.1 |
| Condenser - Single Position | Type | Abbe |
| | Numerical aperture (N.A.) | 1.25 |
| | Diaphragm | Iris |
| | Focusable | By rotation |
| Focusing System | Type | Coaxial coarse & fine |
| | Coarse total travel (mm) | 23 |
| | Fine total travel (per single rotation) (mm) | 1,2 |
| | Fine graduations | 100 |
| | Fine resolution (µm) | 12 |
| | Upper stop to prevent contact | Yes |

| | | |
|---|------------------------------------|-------------------------------------|
| Transmitted Illumination | Type | LED |
| | Light source power (W) | 1 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,300 |
| | Max. required power (W) | 1,5 |
| Power Supply for Transmitted Illumination | Type | External |
| | Microscope connector | Jack, 2.1 mm |
| | Power plug type | Multi-plug (EU, UK, US) |
| | Input voltage | 100/240 Vac, 50/60 Hz |
| | Output voltage | 5 Vdc 500 mA |
| | Use with batteries | Yes, not supplied |
| | Battery type | Ni-MH (3x, AAA size), 1.2V, 1200mAh |
| | Working time of batteries (hours) | up to 8 |
| | Charging time of batteries (hours) | 8 |
| Accessories Included | Dust cover | Yes |
| | Immersion oil (10ml) | Yes |
| | User Manual | Digital version (downloadable) |
| Product Dimensions | Height (mm) | 330 |
| | Width (mm) | 135 |
| | Depth (mm) | 235 |
| Product Weight | (kg) | 2,9 |