



BINOCULAR MICROSCOPE



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:
NABCB/IAF



ISO 9001: IAF



7 Electric Safety
Certifications

INTRODUCTION

The MarkEn Binocular Microscope is designed to provide precision, durability, and ease of use for laboratories, educational institutions, and medical facilities. With advanced optics and ergonomic features, this microscope ensures high-resolution imaging and prolonged operational efficiency. It is equipped with anti-reflection and antifungal coatings to enhance clarity and longevity. The built-in LED illumination system ensures consistent brightness, while its robust design guarantees reliability for years to come.

FEATURES:



Binocular Tube: 30° inclined, 360° rotatable with low coaxial drive controls



Interpupillary Range: 50–75 mm with dioptric adjustment and built-in prisms



Eyepieces: Achromatic wide field 10x/18mm and additional 5x



Nosepiece: Reversed quadruple with 4x, 10x, 40x (spring), 100x (spring/oil), pre-focused and click-stop



Objective Lenses: Plan achromatic, antifungal, distortion-free imaging



Mechanical Stage: 140 x 140 mm, travel range 70 x 50 mm



Slide Holder: Dual, retractable, spring-loaded with center removal



Focusing: Co-axial coarse and fine focus with rack & pinion and tension control



Durability: Built for 10+ years with guaranteed spare parts availability

TECHNICAL SPECIFICATIONS	
Make	MarkEN
Model No.	MMB-02
Observation Tube	Sliding Siedentopf Binocular Tube, 30° inclined, 360° rotatable, interpupillary distance 50–75 mm, dioptic adjustment, anti-reflection & antifungal coatings
Eye-piece	Achromatic wide field 10×/18 mm high focal eye-point; Additional 5× wide field eye-piece
Nosepiece	Reversed revolving quadruple nosepiece with pre-focused objectives (4×, 10×, 40× spring-loaded; 100× spring-loaded/oil)
Objective Lens	Plan Achromatic Antifungal Lenses
Objective Coatings	4×, 10×, 40× (spring-loaded), 100× (spring-loaded/oil); antifungal and anti-reflection coated
Antifungal & Anti-reflection Coatings	Certified by spectrophotometry report or self-declaration on manufacturer letterhead
Mechanical Stage	Rectangular double plate (140 mm × 140 mm), travel range 70 mm × 50 mm
Slide Holder	Removable for one or two slides; retractable spring-loaded center holder
Magnification	40×
Double Specimen Holder Clip	Yes
Condenser	Sub-stage Abbe condenser NA 1.25, aspheric lens, iris diaphragm, filter holder
Focus Adjustment	Rack & pinion focusing with fine and coarse adjustment
Focusing Controls	Co-axial coarse and fine focus on both sides with tension adjustment
Illumination	3W LED, variable control, 4000K, voltage fluctuation resistance (90–280V), 100,000 hours lifespan
Built-in Light Source	6V DC pre-adjusted LED with in-built power circuit (220V, 50Hz, single-phase)
Stage Controls	Manual, 100 mm × 140 mm; Movement: 80 mm × 120 mm

CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products
CDSCO Certified**



USFDA Listed



**8 products tested by a
WHO-accredited laboratory**



European CE



NABCB: ISO 13485



ISO 9001: IAF



ISO 14001: IAF



ISO 45001: IAF



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WHO GMP



**BIFMA Certified,
BIFMA Level 3**



**ASTM- Corrosion
Free Products**



ISO 2409

**EN 13523-26,
ISO 13849-1,
IP 69, IP 65**

& many other...

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