

MLXi Plus

MICROSCOPE MASTERCLASS



- Plan Infinity Optics with Field of view 20mm
- Parfocal and Centered Optics
- Optics with Multi-layer Coating & Anti-Fungus treated
- Choice of Halogen and LED Illumination
- Easy Access for Lamp Replacement
- Siedentopf head. Hard-Coated Stage
- Double Slide Holder. Inward Nosepiece
- Universal Power Supply

Magnus

MLXi Plus Binocular Microscope

MICROSCOPES FOR RESEARCH APPLICATIONS

Specifications :

MAGNUS Inclined Biological Microscope Model MLXi Plus

ITEM	SPECIFICATIONS	MLXi Plus Binocular Version	MLXi-Tr Plus Trinocular Version														
Body	Aluminium die-cast body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulation	●	●														
Mechanical Stage	Co-axial low drive mechanical stage (125mm x 145mm) (+/-5mm) with traverse area of 50mm x 76mm (+/-5mm) with dual side holder	●	●														
Focusing System	Co-axial coarse & fine controls with a focus adjustment and fine adjustment knobs. Coarse Focus range 20mm. Fine focus range 0.2mm	●	●														
Condenser holder	Rack & pinion mounted condenser holder	●	●														
Condenser	Centerable abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion through 20mm and a continuously variable iris diaphragm with a removable blue filter for daylight observation	●	●														
Illumination base with option (a), (b), (c)	(a) Built-illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Front open Light case for easy bulb change. Universal power supply 100V-240V through SMPS circuit for constant voltage to prolong bulb life & prevent frequent bulb change.	MLXi Plus	MLXi-Tr Plus														
	(b) LED Light source High brightness, longlife (30,000hrs).	MLXi Plus LED	MLXi-Tr Plus LED														
	(c) LED light source (with battery back-up) High brightness, longlife (30,000hrs). Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on full charge.	MLXi Plus Freedom	MLXi-Tr Plus Freedom														
Nose Piece	Quadruple revolving inward nosepiece based on precision ball-bearing mechanism with positive click stop. Quintuple nosepiece option is also available.	●	●														
Objectives	Plan Achromat Objectives																
	<table border="1"> <thead> <tr> <th></th> <th>N.A.</th> <th>W.D.</th> </tr> </thead> <tbody> <tr> <td>4X</td> <td>0.10</td> <td>25 mm</td> </tr> <tr> <td>10X</td> <td>0.25</td> <td>5 mm</td> </tr> <tr> <td>40X (spring loaded)</td> <td>0.65</td> <td>0.5 mm</td> </tr> <tr> <td>100X (oil, spring loaded)</td> <td>1.25</td> <td>0.14 mm</td> </tr> </tbody> </table> <p>Infinity corrected plan optics Uniformly centered, Interchangeable & Parfocal Anti fungus treated Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favoring to fungus growth</p>		N.A.	W.D.	4X	0.10	25 mm	10X	0.25	5 mm	40X (spring loaded)	0.65	0.5 mm	100X (oil, spring loaded)	1.25	0.14 mm	●
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Inclined Observation Head <small>With a special anti-fungus treatment and an anti-reflection optical coating of the prism (to enhance the image brightness)</small>	Binocular (30 degree inclined seidentopf), 360 degree rotatable, diopter adjustment	●															
	Trinocular head 30 degree inclined seidentopf		●														
Eyepiece (wide field) for observation	WF 10x (FN 20mm) paired eyepiece. The unique optical design of the compensating eyepiece provides relief from eye fatigue and renders color-compensated wide-field images of utmost clarity. Compatible with optionally available eyepiece micrometer	●	●														

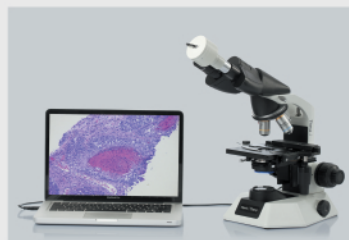
Optional Accessories



The **LED Based Transmitted Fluorescence Attachment** uses a unique proprietary illumination system, allowing significant increase in performance and cost reduction. The microled comes with a choice of blue, royal blue and green LED cassettes.



The **Trinocular Head** comes with a wide range of **Camera Adapters** that allow users to mount various kinds of digital cameras onto the trinocular head of the microscope for quick and easy digital documentation.



The plug and play, **USB Powered MIPS (Microscope Image Projection System)** attachment connects seamlessly to computers and projectors, making it the perfect tool for teaching and training applications.

- Phase contrast attachment • Polarization attachment • Quintuple nosepiece • Optional Eyepiece: 15X • Köhler attachment • Optional objectives: 20X, 60X • Image analysis Software • Heating Stage • Motorised Stage

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All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer.

Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment.

MLXi Plus is sold as Theia-i in markets outside India.

