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# ▼ Theia-fi

## MICROSCOPE MASTERCLASS

- Parfocal and centered SP achromatic optics
- Choice of halogen, LED illumination & battery backup
- Now available in plan optics also
- Optics with multi-layer coating
- Easy access for lamp replacement from front

### Optional Accessories



Phase Contrast  
Attachment



Darkfield  
Attachment



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SPECIFICATIONS

Magnus Inclined Biological Microscope Model Theia-fi

Item	Specifications	Theia-fi Binocular (SP)	Theia-fi Trinocular (SP)
Optical System	Semi-Plan (SP) Optics	✓	✓
Body	Aluminium Die- cast body based on ball bearing and wire guides thereby ensuring smooth and precise manipulation	✓	✓
Inclined Observation Head	Binocular 45 degree inclined, 360 degrees rotatable	✓	
	Trinocular Head 45 degree inclined, 360 degrees rotatable		✓
Eyeiece (widefield) For Observation	HWF 10x (FN 18mm) paired eyeiece. The unique optical design of the compensating eyeiece provides relief from eye fatigue and renders color-compensated wide-field images of utmost clarity	✓	✓
Nosepiece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop	✓	✓
Objectives	<u>Achromat Objectives</u> <u>NA</u>	✓	✓
	4x 0.10		
	10x 0.25		
	40x (spring loaded) 0.65		
	100x (oil, spring loaded) 1.25		
	Uniformly centered, interchangeable & parfocal Anti-fungus treated Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favouring to fungus growth		
Mechanical Stage	Co-axial low drive mechanical stage (125mm x 145mm) (+/-5mm) with traverse area of 30mm x 76mm (+/-5mm) with single slide holder	✓	✓
Condenser Holder	Rack and pinion mounted condenser holder	✓	✓
Condenser	Pre-centered abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion through 10mm and a continously variable iris diaphragm with a removable blue filter for daylight observation	✓	✓
Focusing System	Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.2mm	✓	✓
Illumination Base With Option	(a) Built in illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Universal power supply 100V-230V AC 50Hz single phase (SMPS)	✓	✓
	(b) Built in illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Power supply 230V AC 50Hz	✓	✓
	(c) 3W LED light soure high brightness, longlife (30,000 hrs)	Theia-fi LED (SP)	Theia-fi LED (SP)
	(d) 1 W LED light soure High brightness, longlife (30,000 hrs). Battery back-up in built NiMH Rechargeable batteries	Theia-fi Freedom (SP)	Theia-fi Freedom (SP)
<ul style="list-style-type: none"><li>● Packed in a corrugated box, with operational manual, dust cover, power cord &amp; immersion oil (5ml)</li><li>● The reflector mirror, spare bulb &amp; wooden cabinet are optionally available</li></ul>			

