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# Magnüs



## CH20i

### BIOLOGICAL MICROSCOPE

- Anti fungus optics
- Optics with multi-layer coating
- Easily interchangeable objectives
- Choice of halogen, led illumination & battery backup
- Main operating controls within easy reach
- Optimization of illumination with aspheric lenses
- Available in monocular, binocular and trinocular version

#### Optional Accessories



Phase Contrast Attachment



Trinocular Head With USB Digital Camera



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SPECIFICATIONS

Magnus Biological Educational Microscope Model CH20i

Item	Specifications	CH20i Binocular Version	CH20i Trinocular Version
Body	Aluminium die- cast body with all critical movements based on ball bearing and wire guides thereby ensuring smooth and precise manipulation	✓	✓
Mechanical Stage	Co-axial low drive mechanical stage (120mm x 132mm) (+/-5mm) with traverse area of 25mm x 76mm (+/-5mm)	✓	✓
Focusing System	Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.25mm	✓	✓
Condenser Holder	Rack and pinion mounted condenser holder	✓	✓
Condenser	Abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & opinion and a continously variable iris diaphragm with a removable blue filter for day light observation	✓	✓
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	✓	✓
	(b) 3W LED light soure high brightness, longlife (30,000hrs)	✓	✓
	(c) LED light source (with battery back-up) High brightness, long life (30,000hrs). Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on a full charge.	✓	✓
Nose Piece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop.	✓	✓
Objectives	iNEA achromat 4x (anti-fungus) iNEA achromat 10x (anti-fungus) iNEA achromat 40x (anti-fungus) iNEA achromat 100x (anti-fungus) spring, oil	✓	✓
Inclined Observation Head	Binocular observation tube (inclination 45°, interpupillary distance adjustment range 53-75 mm), diopter adjustment on the left	✓	
	Trinocular observation tube (inclination 45°), diopter adjustment on the left		✓
Eyepiece (wide field) for Observation	iCWHK 10X (LB eyepiece 10X), F.N.18mm, (anti-fungus) (x2)	✓	✓

ACCESSORIES

✓ Phase contrast attachment 10x, 40x	✓ Koehler attachment
✓ Camera attachment	✓ 15x eyepiece (anti-fungus)
✓ Monocular, Binocular and Trinocular versions	

