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Magnus

Biological
Microscope

CH20*i*

Key Features

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

Optional Accessories



Phase Contrast
Attachment



Trinocular Head With
USB Digital Camera



SPECIFICATIONS

Magnus Biological 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 continuously 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	CH20i	CH20i-TR
	(b) 3W LED light source high brightness, longlife (30,000hrs)	CH20i-LED	CH20i-TR-LED
	(c) 1W LED light source (with) battery back-up high brightness, longlife (30,000hrs). Battery back-up in-build NIMH rechargeable batteries provides 6 to 8 hrs back-up on full charge	CH20i-Freedom	CH20i-TR-Freedom
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)
✓ Binocular and Trinocular versions	