

## LY5001 Inverted Microscope

Specification				
Eyepiece	Wide field WF10X(field number:12.2mm)			
	Centering telescope			
Infinity plan achromatic objective	Objective	PLL 10X0.25	Work distance:4.3 mm,	Cover glass thickness:1.2mm.
		PLL 20X0.40	Work distance:8.0 mm,	Cover glass thickness:1.2mm.
		PLL 40X0.60	Work distance:3.5 mm,	Cover glass thickness:1.2mm.
	Phase Contrast Objective	PLL 10X0.25 PHP2	Work distance:4.3 mm,	Cover glass thickness:1.2mm.
		PLL 20X0.40 PHP2	Work distance:8.0 mm,	Cover glass thickness:1.2mm.
		PLL 40X0.60 PHP2	Work distance:3.5 mm,	Cover glass thickness:1.2mm.
Eyepieces tube	Inclination angle is 45° and interpupillary distance is 53~75mm.			
Epi-fluorescent illumination system	Power supply unit, 110V or 230V can be selected.			
	100W/DC Mercury lamp is 100W/DC			
	Fluorescent filters			
	Group	Type	Wavelength of excitation light	Wavelength of emitted light
	UV+V	Ultraviolet light (UV)	330nm~400nm	425nm
		Violet light (V)	395nm~415nm	455nm
B+G	Blue light (B)	420nm~485nm	515nm	
	Green light (G)	460nm~550nm	590nm	
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop, minimum division of fine focusing is 2μm.			
Nosepiece	Quintuple nosepiece			
Stage	Fixed stage overall size is 227mmX208mm			
	Glass rotundity stage overall size is Φ118mm			
	Mechanical moving device, moving range is 77mm (longitudinal)X114mm (transverse)			
	Culture dish holder 1	Inside locating slot size: 86mm (W)X129.5mm (L), optional with a circular culture dish Φ87.5mm		
	Culture dish holder 2	Inside locating slot size: 34mm (W)X77.5mm (L), optional with a circular culture dish Φ68.5mm		
	Culture dish holder 3	Inside locating slot size:57mm (W)X82mm (L)		
Transmitted illumination system	Turnplate phase contrast condenser, working distance is 55mm			
	6V30W halogen, brightness enable control			
	Frosted glass and blue , green filter			

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### Optional accessories

Eyepiece	10X Dividing eyepiece (field number: $\mu$ 22mm) 0.10mm/Div	1122010
Objective	Infinity plan achromatic objective PL 5X/0.12 W.D26.1	2060105
	Infinity plan achromatic objective PL 20X/0.40 W.D8.8	2060120
	Infinity plan achromatic objective PL 60X/0.8 (Spring) W.D0.46	2060160
Nosepiece	Sextupee (Backward ball bearing inner locating)	033001
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 (with USB and Video output)	800001
	DV-2 (with USB output)	800003
	DV-3 (with Video output)	800005
Digital camera adapter	CANON(EF), NIKON(F)	820001

Note: “●” in the table is standard attachment. “○” is optional accessories.

Design change: To keep pace with technological advances, we have reserved the right to make design modification and changes without notice.



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