

Inverted Biological Microscope

LIBM-C1 Series



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Inverted Biological Microscope LIBM-C1 series comes with superior optical system, compact and advanced reliable firm design. The stable & reliable 'T' type base, high resolution & phase contrast long working distance objectives, helps user to configure the cell more clearly thereby provides high quality images of the specimen. With user-friendly operations it finds application in many branches of biology.

Features

- Long working distance plain objective
- Compensation free binocular/trinocular viewing head
- Inverted working stage
- Backward quintuple nosepiece
- Adjustable center phase contrast ring plate

Applications

Used for wide range of applications in biotechnology, tissue culture, microbiology, medicine and other industry.

Specifications

Model no.	LIBM-C10	LIBM-C11
Viewing head	Compensation free binocular head inclined at 45°C, interpupillary distance 50 to 75 mm	
Eyepiece	WF10X/ 20 mm	WF10X/ 22 mm
Long working distance plan objective	LWDPL 4X/ 0.1 W.D. 25 mm LWDPL 10X/0.25 phase contrast W.D. 11 mm LWDPL 20X/ 0.4 phase contrast W.D. 6 mm LWDPL 40X/ 0.6 W.D. 3.8 mm	Not applicable
Distance infinity plan objective	Not applicable	LWDPL 4X/ 0.1 W.D. 29.4 mm LWDPL 10X/0.25 phase contrast W.D. 16 mm LWDPL 20X/ 0.4 phase contrast W.D. 10.5 mm LWDPL 40X/ 0.6 W.D. 5.4 mm
Nosepiece	Quintuple Nosepiece	
Stage dimension	Double layer mechanical stage, stage size: 242×172 mm, central stage: 110 mm, Moving stage: 115×75 mm	
Condenser	N.A. 0.3 Abbe condenser W.D. 75 mm	
Focusing	Coaxial coarse & fine focusing adjustment with rack & pinion mechanism, fine focusing scale value 0.001 mm	
Phase contrast sliding plate	Adjustable center for phase contrast ring plate	
Centering telescope	30 mm	
Filter	Blue, green, yellow froster glass plate	
Illumination	Halogen bulb 12 V/ 30 W, brightness adjustable	
Dimension	750×320×475 mm	
Gross weight	13 kg	

Specifications

Model no.	LIBM-C12	LIBM-C13
Viewing head	Compensation free trinocular head inclined at 45°C, interpupillary distance 50 to 75 mm	
Eyepiece	WF 10X/ 20 mm	WF 10X/ 22 mm
Long working distance plan-Objective	LWDPL 4X/ 0.1 W.D. 25 mm LWDPL 10X/0.25 phase contrast W.D. 11 mm LWDPL 20X/ 0.4 phase contrast W.D. 6 mm LWDPL 40X/ 0.6 W.D. 3.8 mm	Not applicable
Distance infinity plan objective	Not applicable	LWDPL 4X/ 0.1 W.D. 29.4 mm LWDPL 10X/0.25 phase contrast W.D. 16 mm LWDPL 20X/ 0.4 phase contrast W.D. 10.5 mm LWDPL 40X/ 0.6 W.D. 5.4 mm
Nosepiece	Quintuple Nosepiece	
Stage	Double layer mechanical stage, stage size: 242×172 mm, central stage: 110 mm, Moving stage: 115×75 mm	
Condenser	N.A. 0.3 Abbe condenser W.D. 75 mm	
Focusing	Coaxial coarse & fine focusing adjustment with rack & pinion mechanism, fine focusing scale value 0.001 mm	
Phase contrast sliding plate	Adjustable center for phase contrast ring plate	
Centering telescope	30 mm	
Filter	Blue, green, yellow froster glass plate	
Illumination	Halogen bulb 12 V/ 30 W, brightness adjustable	
Dimension	750×320×475 mm	
Gross weight	13 kg	

Optional accessories

- WF10X/ 18 mm with cross graduation of 0.1 mm scale
- Long working distance objective LWDPL 10X, LWDPL 20X
- Long working distance phase contrast objective LWDPL 40X
- Fluorescence attachment: B, G wave band, 220 V/ 100 W mercury lamp
- Photograph attachment: Photograph connecting tube, adapter with MD or PK mount , 4X photograph eyepiece
- Electron eyepiece: 1.3 or 3.0 MP, CMOS electronic eyepiece