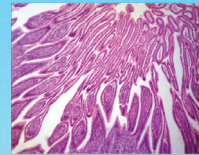




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LB-295 Medical Research Inverted Microscope for Micro Organisms and Cell Processing

LB-295 Research Inverted Microscope is a research level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this research inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head to take photos and videos.



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Application

LB-295 Research Inverted Microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Features

1. Excellent optical function with infinite optical system.
2. Bright field, phase contrast and DIC observation is available.
3. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.
4. With Plan semi-APO phase contrast objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier.
5. Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable.

Specification

Item	Specification
Optical system	NIS60 Infinite optical system
Eyepiece	SW10×/25mm, φ30mm
Viewing Head	Trinocular head with Bertrand lens, inclined at 45°, Interpupillary 47-78mm, 3 position beam split ratio: 50/50, 100/0, 0/100



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Plan semi-APO phase contrast objective	10× NA=0.3 WD=8.1mm Cover glass 1.2mm
	20× NA=0.45 WD=7.5-8.8mm Cover glass 0-2mm
	40× NA=0.60 WD=3-4.4mm Cover glass 0-2mm
Nosepiece	6-hole nosepiece with DIC slot (DIC for transmitted and reflected)
Condenser	Long working distance condenser, NA0.55, WD=26mm, with 6-position plate
Illumination	Kohler illumination, 12V/100W halogen lamp
	ECO Auto-off function (automatically shut off in 15 mins if no users)
Focusing	Coaxial coarse&fine focusing. Movement range 9mm, coarse adjustment 2mm/rotation, fine adjustment 0.2mm/rotation
Internal magnification	1×, 1.5×
Side video port	Switchable by turning plate, 3 models: left side port/eyepiece=50/50; right side port/eyepiece=20/80; left&right side port/eyepiece=0/100
Phase contrast	Standard
Stage	Three-layer mechanical stage, movement range 130×85mm, flexible knob. Different small sizes stage could be attached to main stage