LABOMED INC.

LB-293

Inverted Trinocular Biological Microscope w/ Infinite Optical System, Wide Field Eyepiece & Backward Quintuple Nosepiece

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LB-293 Inverted Trinocular Biological Microscope w/ Infinite Optical System, Wide Field Eyepiece & Backward Quintuple Nosepiece is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. With an innovative infinite optical system and ergonomic design, it has excellent optical performance and easy to operate features. This inverted biological microscope makes your work enjoyable. Digital cameras can be added to the trinocular head to take photos, videos and make measurement.

APPLICATION

LB-293 Inverted Trinocular Biological Microscope w/ Infinite Optical System, Wide Field Eyepiece & Backward Quintuple Nosepiece 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 infinite optical system, Wide field eyepiece, view field up to Φ22mm, more comfortable for observation.
2. More objectives can be installed on the large diameter quintuple nosepiece, easier to change objective.
3. Light distribution (both): 100 : 0 (100% for eyepiece); 80 : 20 (80% for trinocular head and 20% for eyepiece).

4. Long working distance condenser N.A. 0.30, Working distance: 72mm(with condenser), Working distance: 195mm (without condenser), available for extra high culture dishes.

5. Large size stage, convenient for research. Size: 210mm(X) × 240 (Y)mm, Moving range: 128mm (X) × 80 (Y)mm.

Mechanical stage available for 96 holes plate.

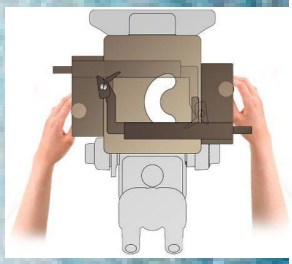
6. Culture Dish Holder

Φ65mm

Φ54mm

Φ35mm

blood cell counter holder



7. Knob of X-Y mechanical stage can be changed by left or right.
8. Infinite plan 4X phase contrast objective is available.

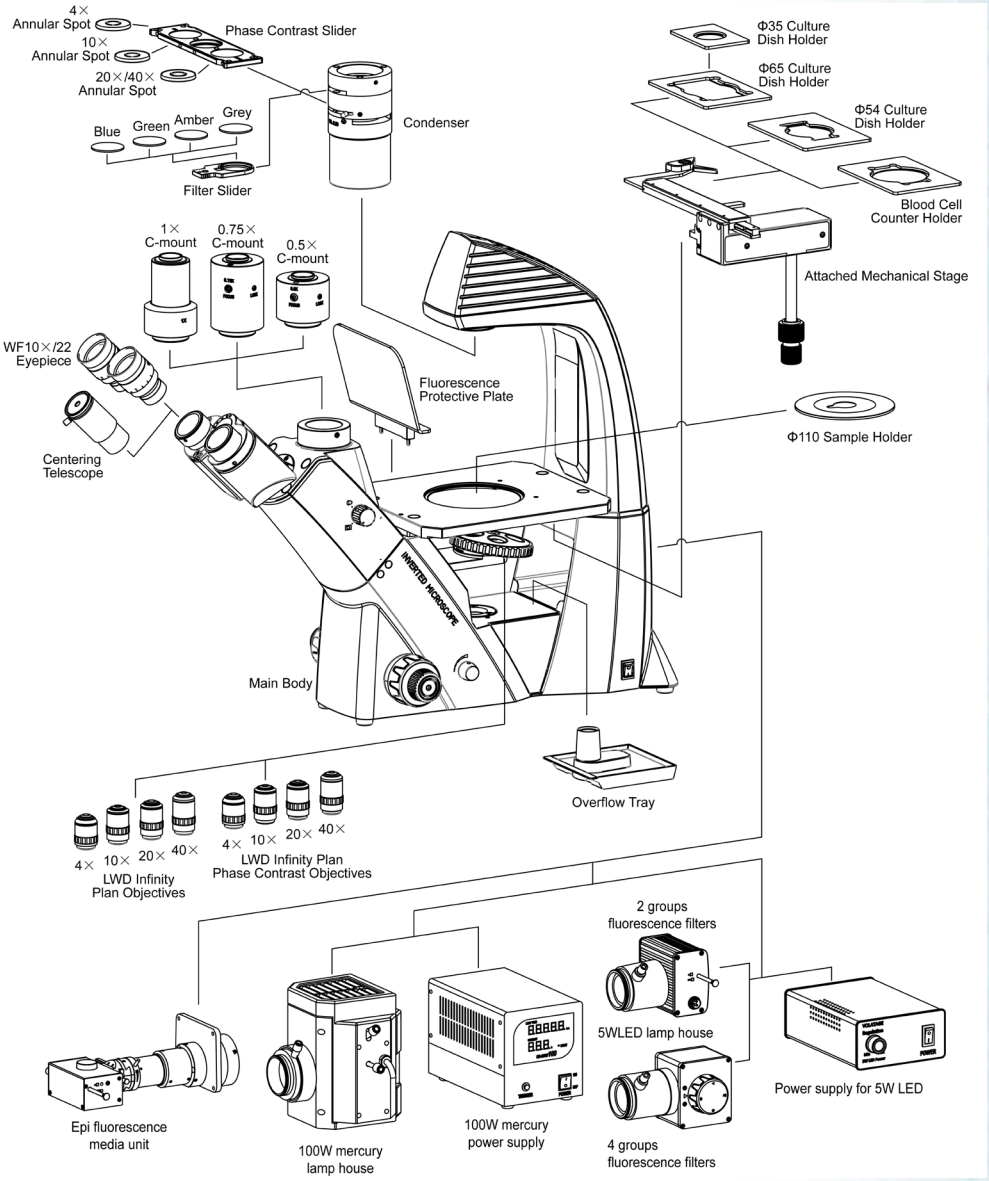
LWD Infinite Plan Phase
Contrast Objectives

SPECIFICATION

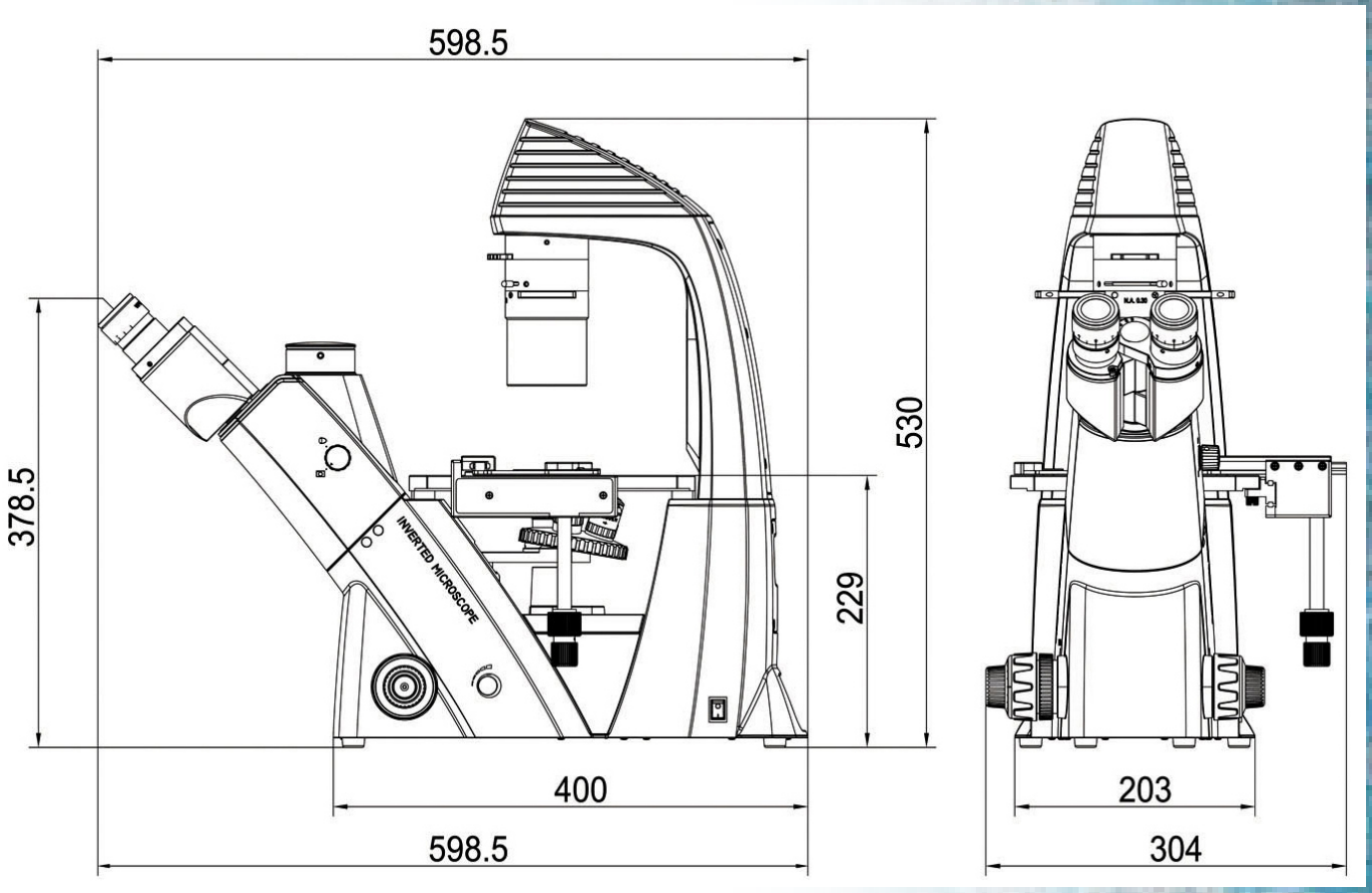
Item	Specification	
Optical System	Infinite Optical System	
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head, and 20% for eyepiece), Eyepiece Tube Diameter 30mm	
Eyepiece	Wide Field Eyepiece WF10×/ 22mm	
Objective	Long Working Distance Infinite Plan Achromatic Objective (L Plan FL)	4×/0.11, W.D.=12.1mm
		10×/0.25, W.D.=8.3mm
		20×/0.40, W.D.=7.2mm
		40×/0.60, W.D.=3.4mm
Nosepiece	Backward Quintuple Nosepiece	
Condenser	Long Working Distance Condenser, N.A. 0.3, Working Distance 72mm (with condenser), 195mm (without condenser)	
Phase Annulus	10×, 20×, 40× Phase Annulus Plate	

Stage	Plain Stage 210(X)×240mm(Y), round slide plate: Φ110mm
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range: 128mm×80mm
	Petri Dish Holder Φ65mm
	Petri Dish Holder Φ54mm
	Petri Dish Holder Φ35mm
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 10mm
Koehler Illumination	6V/30W Halogen Lamp, Brightness Adjustable, input voltage: 100V-240V
Filter	Blue Filter, Diameter 32mm
	Green Filter, Diameter 32mm
C-mount	0.5× C-mount Adapter (focus adjustable)
Packing	1carton/set, Packing Size: 66×59×33cm, Gross Weight: 18kgs, NW: 13.5kgs

SYSTEM DIAGRAM



DIMENSION



Unit: mm

SAMPLE IMAGES