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# LB-705 Trinocular Inverted Fluorescent Biological Microscope with Wide Field and Infinite Plan Optical System

## Introduction

LB-705 Trinocular Inverted Fluorescent Biological Microscope with Wide Field and Infinite Plan Optical System uses ultraviolet as the light source, objects which are radiated then fluoresce, and then the shape of an object and its location can be observed under the microscope. LB-705 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. Excellent high resolution fluorescent objectives provide high quality fluorescent images. Infinite Optical System gives excellent Optical performance. This microscope can be your best assistant in laboratory research.

## Applications

LB-705 Trinocular Inverted Fluorescent Biological Microscope with Wide Field and Infinite Plan Optical System is specifically designed for the observation of cell culture. It is widely used in disease examination, immune diagnosis and laboratory research.

## Technical Specifications

Optical System:	Infinite Optical System
Viewing Head:	Seidentopf Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary Distance 48-75mm
Eyeiece:	Wide Field Eyeiece WF10×/ 22, Eyeiece Tube Diameter 30mm
Noseiece:	Backward Quintuple Noseiece
Objective:	LWD (Long Working Distance) Infinite Plan Achromatic Objective 4×/0.1, WD 18mm LWD (Long Working Distance) Infinite Plan Achromatic Phase Objective 10×/ 0.25, LWD 6mm, 20×/ 0.4, WD 3.1mm, 40×/ 0.55, WD 2.2mm
Condenser:	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)
Centering Telescope:	Centering Telescope (Φ30mm)
Phase Annulus:	10×, 20×, 40× Phase Annulus Plate (Center Adjustable)
Focusing:	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm Moving Range up 4.5mm, down 4.5mm
Stage:	Plain Stage 170×230mm, Glass Insert Attachable Mechanical Stage X,Y Coaxial Control Moving Range 120mm×80mm Auxiliary Stages 70mm×180mm Terasaki Holder Φ38mm Petri Dish Holder Φ54mm Slide Glass Holder
Illumination:	Halogen Lamp 6V/30W, Brightness Adjustable
Filters:	Blue, Green and Ground Glass, Diameter 45mm
Filters (Optional):	Ultraviolet Excitation Filter, Violet Excitation Filter



## EPI-FLUORESCENT ATTACHMENT

Reflected Light Source:	Excitation	Dichroic Mirror	Barrier Filter
Blue excitation	BP460~490	DM500	BA520
Green excitation	BP480~550	DM570	BA590
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp		
Protection Barrier:	Barrier to Resist the Ultraviolet Light		
Power Supplier:	Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display		
Immersion Oil:	Fluorescent Free Oil		
Dimension & G.W.:	46.5cm*39.5cm*64cm, 18kg		