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

LB-705 Inverted Fluorescent Biological Microscope uses mercury lamp 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. The LB-705 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. Excellent high resolution objectives provide high quality fluorescent images. Infinite Optical System gives excellent Optical performance. This microscope can be your best assistant in laboratory research.

APPLICATION

LB-705 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research. LB-705 Inverted Fluorescent Biological Microscope can scan living and dead cells at the same time.
LABOMED, INC.

FEATURES
1. Perfect image with infinite optical system.
2. High resolution fluorescent objectives are optional for excellent fluorescent images.
3. Advanced and precision lamp housing reduces the light leak.
4. Reliable power supply with digital display and timer.
5. Innovative structure and sharp Image is perfect for viewing cell tissue.

SPECIFICATION

Model LB-705
Optical System Infinite Optical System
Viewing Head Seidentopf Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary Distance 48-75mm
Eyepiece Wide Field Eyepiece WF10×/ 20mm, Eyepiece Tube Diameter 30mm
Objective
- LWD(Long Working Distance) 4×/0.1, W.D.= 22mm
  Infinite Plan Achromatic Objective
  - LWD(Long Working Distance) 10×/ 0.25, W.D.= 6mm
  Infinite Plan Achromatic Phase Objective
    - 20×/ 0.4, W.D.= 3.1mm
    - 40×/ 0.55, W.D.= 2.2mm
Nosepiece Backward Quintuple Nosepiece
Condenser ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)
Telescope Centering Telescope (Φ30mm)
Phase Annular 10×, 20×, 40× Phase Annular Plate(Center Adjustable)
Stage Plain Stage 230×170mm
Glass Insert Plate
Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang
80mm × 120mm
Auxiliary Stages 70mm × 180mm
Terasaki Holder
Petri Dish Holder Ф38mm
Petri Dish Holder Ф54mm

Focusing
Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range
up 4.5mm, down 4.5mm

Transmitted Illumination
Halogen Lamp 6V/30W, Brightness Adjustable

Reflected Light Source

<table>
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<tr>
<th>Excitation</th>
<th>Dichroic Mirror</th>
<th>Barrier Filter</th>
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<tr>
<td>Blue excitation</td>
<td>BP460~490</td>
<td>DM500</td>
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<tr>
<td>Green excitation</td>
<td>BP480~550</td>
<td>DM570</td>
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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

Centering Target

Filter
Blue, Green and Ground Glass, Diameter 45mm

Hood Height
18.74 Inches

eye Level Height
16.73 Inches

Accessories
0.5 × C-mount (Used to directly connect a C-mount digital camera to the microscope)

Package
2 cartons/set, 36*61*62cm, 18kg; 38*45*26cm, 6kg

**LB-705 INVERTED FLUORESCENT BIOLOGICAL MICROSCOPE ATTACHMENTS**
CHARACTERISTICS OF MIRROR UNITS WAVELENGTH

**Blue Excitation**

**Green Excitation**

**Ultraviolet Excitation**

**Violet Excitation**

SAMPLE IMAGES