



Inverted Fluorescence Microscope LD-LIFM-A11

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Overview

Inverted Fluorescence Microscope LD-LIFM-A11 is an advanced Infinite Plan EPI-fluorescent microscope, offers standard magnification range of 40X to 400X. Incorporated with LWD Infinite Plan Objectives, EPI-fluorescent blue and green reflected light source, this microscope delivers excellent fluorescent image with high resolution. Equipped with halogen lamp as illumination source with Blue/ Green and Ground Glass filter, ultra Hi-voltage Spherical Mercury Lamp with protection barrier.

Features:

- Standard magnification range of 40X to 400X
- Infinite optical system and EPI-fluorescent illumination system
- Excellent fluorescent image with high resolution fluorescent objectives
- Equipped with LWD Infinite Plan Objectives, and Infinite Plan Phase Objectives
- Up-right photo port for photographic/video capability
- Advanced lamp housing to prevent light leakage
- Halogen lamp as illumination source with Blue/ Green and Ground Glass filter
- C-mount video adapter
- Ultra Hi-voltage Spherical Mercury Lamp with protection barrier
- High-efficient, durable and stable inverted microscope

Applications:

Inverted fluorescence microscope is used for fluorescence imaging of cell lines, tissue culture materials, and biological samples, and to visually enhance 3-D features at small scales across biology, medicine, immunology, oncology, genetics, histopathology, materials science etc.

Specifications:

Lamp	100 W HBO Ultra Hi-voltage Spherical Mercury Lamp
Stage	Plain stage 160×250 mm; Glass Insert; Auxiliary Stages 70×180 mm
Filter	Blue/ Green and Ground Glass (φ45 mm)
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22
Focusing	Coaxial Coarse and Fine Adjustment; Vertical Objective Movement; Coarse Stroke 37.7 mm per rotation; Fine Stroke 0.2 mm per rotation
Condenser	ELWD Condenser NA 0.3, LWD 72 mm
Nosepiece	Quintuple Nosepiece

Objective	LWD Infinite Plan Objective 4×/0.1, WD 18mm; LWD Infinite Plan Objective 40×/0.6, WD 2.6mm; Infinite Plan Phase Objective PH 10×/0.25, WD 10mm; Infinite Plan Phase Objective PH 20×/0.4, WD 5.1 mm
Power supply	220 V/110 V, 50/60 Hz interchangeable, Digital display
Viewing head	Trinocular Head Inclined at 30°, Interpupillary distance: 48 to 75 mm
Immersion oil	Fluorescent Free Oil
Optical system	Infinite Optical System
Blue excitation	Excitation: BP460 to 490; Dichroic mirror: DM500; Barrier filter: BA520
Green excitation	Excitation: BP480 to 550; Dichroic mirror: DM570; Barrier filter: BA590
Carton one weight	15 kg
Carton two weight	6 kg
Light distribution	Halogen Lamp 6 V/ 30 W
Protection barrier	Barrier to Resist the Ultraviolet Light
EPI Fluorescent Attachment Kits	Blue & Green reflected light source
Carton one packaging dimension (W×D×H)	460×400×680 mm
Carton two packaging dimension (W×D×H)	445×370×250 mm