



www.labomed.com
spectro@labomed.com

LB-274 Binocular LED Fluorescent Biological Microscope (Anti-Fungus)

Introduction

LB-274 Binocular LED Fluorescent Biological Microscopes with Wide Field Infinite Color Corrected Plan Optical System, (Infinity Color Corrected System), Siedentopf Binocular Viewing Head, Infinite Plan Achromatic Objectives, and Abbe Condenser (Anti-Fungus) are newly developed microscopes with an infinity color corrected system, the microscopes use LED as the light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Applications

LB-274 Binocular LED Fluorescent Biological Microscopes with Wide Field Infinite Color Corrected Plan Optical System, Siedentopf Binocular Viewing Head, Infinite Plan Achromatic Objectives, and Abbe Condenser (Anti-Fungus) is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

Technical Specifications

Optical System:	Infinite Color Corrected Optical System			
Viewing Head:	Siedentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm			
Eyepiece:	Wide Field Eyepiece WF10×/20			
Nosepiece:	Backward Quadruple Nosepiece (Can be supplied with backward quintuple nosepiece (optional))			
Objective:	Infinite Plan Achromatic Objective 4×(N.A0.10, W.D15.5mm), 10×(N.A0.25, W.D5.02mm), 40×(N.A0.65, W.D0.60mm), 100×(N.A1.25, W.D0.13mm) (20× and 60× are optional and must be purchased separately.)			
Condenser:	Abbe Condenser NA1.25 with Aperture Diaphragm			
Focusing:	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation			
Stage:	Rectangular 216×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold Two Sides. Moving Range is 24mm along the Z-axis.			
Illumination:	LED Illumination 12V/20W Halogen Lamp (optional), Brightness Adjustable (30W illumination and Kohler illumination are optional, and must be purchased separately.)			
Reflected Light Source:	Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	BP460~490	DM505	BA515
	Green excitation	BP510~550	DM570	BA590
Lamp:	3W LED Lamp(465-476nm)			
Immersion Oil:	Fluorescent Free Oil			
Dimensions:	38cm*26cm*51cm, 9kg			



Labomed, Inc., 2728 S. La Cienega Blvd., Los Angeles, CA 90034 U.S.A.

TEL (310) 202-0811 FAX (310) 202-7286 Email: spectro@labomed.com www.labomed.com