

## BS-2040F(LED, TB) Fluorescent Biological Microscope



BS-2040FB(LED, TB)



BS-2040FT(LED, TB)

### Introduction

BS-2040F(LED,TB) Series LED Fluorescence Microscopes are professional solution for tuberculosis test applications with LED fluorescence excitation and transmitted-light brightfield illumination. The life span of the LED lamp is much longer than mercury lamp, the performance is also better.

### Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span. Convenient to use, no need warm-up.
3. No need for cooling system and protection device due to LED cold light source.
4. 450nm excited wavelength with high SNR.
5. More fluorescent filters are available for different applications.

### Application

BS-2040F(LED, TB) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in laboratories, clinics, hospitals, medical colleagues and universities for disease examination, immune diagnosis and life science research.

### Specification

Model	Specification	BS-2040FB (LED, TB)	BS-2040FT (LED, TB)
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 48-75mm	●	
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm		●
Eyepiece	Wide Field Eyepiece WF10×/18	●	●
	Wide Field Eyepiece WF10×/20	○	○
	Wide Field Eyepiece WF10×/22(with 30mm eyepiece tube)	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
Objective	Infinite Semi-plan Achromatic Objective: 4×, 10×, 40×, 100×	●	●

	Infinite Plan Achromatic Objective: 4x, 10x, 20x, 40x, 60x, 100x	○	○			
	Infinite Plan Fluorescent Objective: 4x, 10x, 20x, 40x, 100x	○	○			
Condenser	Sliding-in Centerable Condenser NA 1.25	●	●			
	Swing-out Condenser NA0.9/0.25	○	○			
Focusing	Coaxial Coarse&Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm	●	●			
Stage	Double Layers Mechanical Stage 140x140/ 75x50 mm	●	●			
	Rackless Double Layers Mechanical Stage 150mmx139mm, Moving Range 75mmx52mm	○	○			
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope	○	○			
Video Adapter	1x C-mount	○	○			
	0.5x C-mount	○	○			
Transmitted Illumination	3W S-LED Illumination, Brightness Adjustable	●	●			
	Halogen Lamp 6V/20W, Brightness Adjustable	○	○			
Fluorescent Filter	Item	Excitation	Dichroic Mirror	Barrier Filter		
	FL-Auramine	BP470	DM480	BA485	●	●
	Blue excitation	BP460~490	DM505	BA515	○	○
	Green excitation	BP510~550	DM570	BA590	○	○
Reflected Light Source	3W LED Lamp(450nm)				●	●
	3W LED Lamp(465-476nm)				○	○
	3W LED Lamp(525-530nm)				○	○
Rechargeable Battery	Lithium Rechargeable battery for both reflected and transmitted illumination, can work more than 8 hours after one charge				○	○
Immersion Oil	Fluorescent Free Oil				●	●
Optional accessories	BPHE-1 Turret Phase Contrast Kit				○	○
	Simple Polarizing Set				○	○
	Dry Darkfield Condenser (used for 4x, 10x, 20x, 40x, 60x objectives)				○	○
	Oil Darkfield Condenser (used for 100x objective)				○	○
	Dust Cover				●	●

Note: ●Standard Outfit, ○Optional

## Sample Image

