

## BS-2063F(LED, TB) LED Fluorescence Microscope



BS-2063FT(LED, TB)

### Introduction

BS-2063F(LED, TB) Series LED Fluorescence Microscope is a professional solution for tuberculosis test applications with LED fluorescence excitation and transmitted-light brightfield illumination.

If you want to analyze tuberculosis with Ziehl-Neelsen-Staining or if you like to use fluorescence excitation, e.g. with Auramine O dye. BS-2063F(LED,TB) can simply switch between the two modes.

### Feature

1. Reckless Wire Driven Mechanical Fixed Stage with focus lock is safer than traditional stage



2. Quintuple turret phase contrast unit with 10X/20X/40X/100X Infinite plan phase contrast objective for phase contrast and bright field observation.



3. Other accessories.

- N.A.0.9/1.25 Swing-out Condenser
  - Dark field condenser (dry) available to 4X-60X Objective
  - Dark field condenser (oil) available to 100X Objective
- Infinite Plan Objectives



## Application

BS-2063F(LED,TB) Series LED Fluorescence Microscope is specifically designed for the daily routine work of education, pathology diagnosis, hospital, clinical and laboratory examinations and research.

## Specification

Item	Specification	BS-2063FB (LED,TB)	BS-2063FT (LED,TB)
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	●	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece) 80:20(80% for trinocular head and 20% for eyepiece)		●
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	●	●
	WF15×/16mm (Diopter adjustable)	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective (without coverslips)	4×/0.10, W.D.=12.10mm	○	○
	10×/0.25, W.D.=4.64mm	●	●
	20×/0.40(S), W.D.=2.41mm	○	○
	40×/0.65 (S), W.D.=0.65mm	●	●
	60×/0.90(S) W.D.=0.33mm	●	●
	100×/1.25(S, Oil), W.D.=0.12mm	●	●
Nosepiece	Backward Quintuple Nosepiece	●	●
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●

Condenser	Swing out condenser N.A.0.9/1.25, with iris diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	●	●
Koehler Illumination	3W LED Lamp, lifetime 20000 hours, brightness adjustable Field diaphragm, center adjustable Rechargeable battery pack (6V DC), 24 hrs working time	●	●
Dark Field Unit	Dark field condenser (Dry), apply to 4×- 40× objective	○	○
	Dark Field Condenser (Oil), apply to 100× objective	○	○
Polarizing Unit	Analyzer and Polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10×/20×/40×/100× phase contrast objective	○	○
Fluorescent Attachment	LED Epi-Fluorescent unit (Six-hole disc, Auramine O fluorescent filter (Chroma brand, mainly used for Tuberculosis examination)) 3W LED fluorescent lamp Rechargeable battery pack (6V DC) ,24 hrs working time	●	●
	100W Mercury lamp Epi-Fluorescence unit (Six-hole disc, Auramine O/Uv/V/B/G and other filters)	○	○
Video Adapter	1× C-mount (Used for DSLR cameras or large format microscope camera)		○
	0.5× C-mount (focus adjustable, used for microscope camera)		●
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue	●	●
	Green/ Amber/Grey	○	○
Power Supply	Wide voltage input: 100V-240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

Note: "●" In Table Is Standard outfits, "○" Is Optional Accessories.

## Fluorescent filters

<b>Auramine O</b>	Wavelength (nm)
Exciter	470Sp
Dichroic	480DRLP
Barrier	485LP

