

STALWART

**(LED, TB) LED Fluorescence Microscope
STM-2063F (LED, TB)Series**



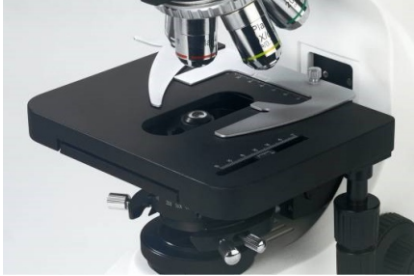
STM-2063F Series(LED,TB)

Introduction

STM-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. STM-2063F(LED,TB) can simply switch between the two modes.

Features

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



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



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



Specification

Item	Specification	STM-2063 FB(LED, TB)	STM-2063 FT(LED, TB)
Optical System	Color Corrected Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	Standard	
	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)		Standard
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	Standard	Standard
	WF15×/16mm (Diopter adjustable)	Optional	Optional
	WF10×/22mm with 0.1mm eyepiece micrometer	Optional	Optional
Infinite Plan Achromatic Objective (without coverslips)	4×/0.10, W.D.=12.10mm	Optional	Optional
	10×/0.25, W.D.=4.64mm	Standard	Standard
	20×/0.40(S), W.D.=2.41mm	Optional	Optional
	40×/0.65 (S), W.D.=0.65mm	Standard	Standard
	60×/0.90(S) W.D.=0.33mm	Standard	Standard
	100×/1.25(S, Oil), W.D.=0.12mm	Standard	Standard
Nosepiece	Backward Quintuple Nosepiece	Standard	Standard
Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	Standard	Standard
Condenser	Swing out condenser N.A.0.9/1.25, with iris diaphragm	Standard	Standard
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	Standard	Standard
Koehler Illumination	3W LED Lamp, lifetime 20000 hours, brightness adjustable Field diaphragm, center adjustable Rechargeable battery pack (6V DC), 24 hrs working time	Standard	Standard

Specification

Dark Field Unit	Dark field condenser (Dry), apply to 4×- 40× objective	Optional	Optional
	Dark Field Condenser (Oil), apply to 100× objective	Optional	Optional
Polarizing Unit	Analyzer and Polarizer	Optional	Optional
Phase Contrast Unit	Quintuple hole turret unit with 10×/20×/40×/100× phase contrast objective	Optional	Optional
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	Standard	Standard
	100W Mercury lamp Epi-Fluorescence unit (Six-hole disc, Auramine O/Uv/V/B/G and other filters)	Optional	Optional
Video Adapter	1× C-mount (Used for DSLR cameras or large format microscope camera)		Optional
	0.5× C-mount (focus adjustable, used for microscope camera)		Standard
Photo Adapter	Used for CANON/NIKON/OLYMPUS/ SONY DLSR cameras		Optional
Filter	Blue	Standard	Standard
	Green/ Amber/Grey	Optional	Optional
Power Supply	Wide voltage input: 100V-240V	Standard	Standard
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	Standard	Standard

Application

STM-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.

Fluorescent filters

Auramine O	Wavelength (nm)
Exciter	470Sp
Dichroic	480DRLP
Barrier	485LP

