

# STALWART

## (LED) Fluorescent Biological Microscope STM-2040F Series



STM-2040FB(LED)



STM-2040FT(LED)

## Introduction

STM-2040F Series LED fluorescence microscopes are newly developed microscopes, 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.

## Features

- Excellent fluorescent image with infinite optical system.
- LED illumination with 50,000 hours life span.
- No need for cooling system and protection device due to LED cold light source.
- 465-476nm excited wavelength with high SNR.
- Convenient to use, no need warm-up.
- More fluorescent filters are available for different applications.

## Specification

Item	Specification	STM-2040FB (LED)	STM-2040FT (LED)
Optical System	Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 48-75mm	Standard	
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm		Standard
Eyepiece	Wide Field Eyepiece WF10×/18mm	Standard	Standard
Nosepiece	Backward Quadruple Nosepiece	Standard	Standard
	Backward Quintuple Nosepiece	Optional	Optional
Objective	Infinite Semi-plan Achromatic Objective: 4×, 10×, 40×, 100×	Standard	Standard
	Infinite Plan Achromatic Objective: 4×, 10×, 20×, 40×, 60×, 100×	Optional	Optional
	Infinite Plan Fluorescent Objective: 4×, 10×, 20×, 40×, 100×	Optional	Optional
Condenser	Sliding-in Centerable Condenser NA 1.25	Standard	Standard
Focusing	Coaxial Coarse&Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm	Standard	Standard
Stage	Double Layers Mechanical Stage 140×140/ 75×50 mm	Standard	Standard
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope	Optional	Optional
Video Adapter	1×, 0.5× C-mount	Optional	Optional

## Specification

Transmitted Illumination	3W S-LED Illumination, Brightness Adjustable			Standard	Standard	
	Halogen Lamp 6V/20W, Brightness Adjustable			Optional	Optional	
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	Ba515	Standard	Standard
	Green excitation	BP510~550	Dm570	BA590	Standard	Standard
Lamp	3W LED Lamp(465-476nm)			Standard	Standard	
	3W LED Lamp(525-530nm)			Standard	Standard	
Immersion Oil	Fluorescent Free Oil			Standard	Standard	

## Application

STM-2040F(LED) LED Fluorescence microscopes are used to study the aSTMorbing, 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.

## Sample Picture

