

# STALWART

## (LED) Fluorescent Biological Microscope STM-2070F Series



STM-2070F Series

## Introduction

STM-2070F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the fluorescent 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-2070FB (LED)	STM-2070FT (LED)
Optical System	Infinite Optical System	Standard	Standard
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	Standard	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm		Standard
Eyepiece	WF10×/20mm	Standard	Standard
	WF15×/16mm	Optional	Optional
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	Standard	Standard
	Infinite Plan Achromatic Objective 20×, 60×	Optional	Optional
Nosepiece	Backward Quadruple Nosepiece	Standard	Standard
	Backward Quintuple Nosepiece	Optional	Optional
Focussing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm	Standard	Standard
Stage	Rectangular 230×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold Two Sides	Standard	Standard
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	Standard	Standard
Illumination	12V/20W Halogen Lamp, Brightness Adjustable	Standard	Standard
	1W S-LED illumination, brightness adjustable	Optional	Optional
Optional Accessories	Photo attachment, Video attachment, Polarization set, Phase contrast kit, Kohler Illumination	Optional	Optional

## Specification

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
Package	2cartons/set, 38cm*26cm*51cm, 9kg; 44cm*38cm*17cm, 3kg				Standard	Standard

## Application

STM-2070F(LED) LED Fluorescence microscopes are used to study the aSTMorbing, transportation, chemicals distribution and positioning in cells. They can be used in disease examination, immune diagnosis and life science areas.

## Sample Pictures

