

STALWART

(LED) Fluorescent Biological Microscope STM-2080F



STM-2080F

Introduction

STM-2080F(LED) Series LED fluorescence microscopes is a newly developed microscope, the microscope uses 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-2080F (LED)			
Optical System	Infinite Optical System	Standard			
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm	Standard			
Eyepiece	Wide Field Eyepiece WF10×/22mm	Optional			
Nosepiece	Backward Quintuple Nosepiece	Standard			
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	Standard			
	Infinite Plan Achromatic Objective 20×, 60×,	Optional			
	Infinite Plan Fluorescent Objective 4×,10×,20×,40×, 100×	Optional			
Condenser	Swing Condenser NA 0.9/0.25	Standard			
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	Standard			
		Optional			
		Standard			
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm	Optional			
Photo Adapter	Used to connect Nikon or Canon DSLR camera	Standard			
Video Adapter	1× C-mount, 0.5× C-mount	Optional			
Transmitted Illumination	External Kohler illumination, Aspherical collector, Halogen lamp 6V/30W	Optional			
		Optional			
Reflected Light Source	Excitation	Dichroic Mirror	Barrier Filter	Optional	
	Blue excitation	BP460~490	Dm505	Ba515	Optional
	Green excitation	BP510~550	Dm570	Ba590	Standard
Lamp	3W LED Lamp(465-476nm)			Standard	
	3W LED Lamp(525-530nm)				
Immersion Oil	Fluorescent Free Oil				

Application

STM-2080F(LED) LED Fluorescence microscope is used to study the aSTMorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

Sample Pictures

