STALWART

Inverted Biological Microscope
STM-2093B Series

STM-2093B

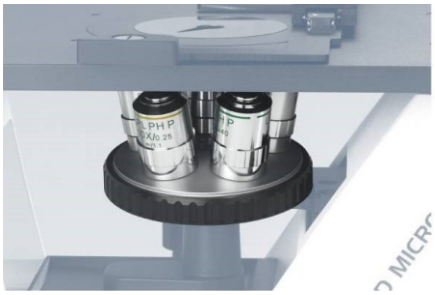
STM-2093BF

Introduction

STM-2093B Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to oSTMerve cultured living cells. With an innovative infinite optical system and ergonomic design, it has excellent optical performance and easy to operate features. This inverted biological microscope makes your work enjoyable. Digital cameras can be added to the trinocular head to take photos, videos and make measurement.

Features

- Excellent infinite optical system, Wide field eyepiece, view field up to Φ22mm, perfect for cell oSTMervation and culture.
- Brand-new design for life science research.
- More objectives can be installed on the large diameter quintuple nosepiece, easier to change objective.
- Both light ports for microscope digital camera and DSLR photography camera, available for oSTMerving with microscope digital camera and DSLR photography camera at the same time.
- Light distribution (both): 100 : 0 (100% for eyepiece); 80 : 20 (80% for trinocular head and 20% for eyepiece).



- Automatic infrared induction for power on-off. Power off upon user leaving 10 minutes, and power on upon user approaching.
- Special light port for SLR digital camera, 7°inclined up to be more convenient to oSTMerve the image of the DSLR camera.

- 12V/50W Kohler illumination makes the field more even and brighter.
- 4-hole rotating disc phase contrast condenser as standard to change bright field and phase contrast easily.
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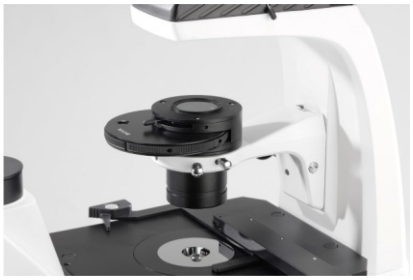


Features

- Culture Dish Holders.

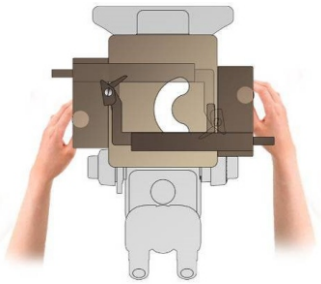
Φ65mm

Φ54mm

Φ35mm

blood cell counter holder

- Knob of X-Y mechanical stage can be changed by left or right.
- Infinite plan 4X phase contrast objective is available.



Specification

Item	Specification		STM-2093 B	STM-2093 BF	STM-2093 BF(LED)
Optical System	Infinite Optical System		Standard	Standard	Standard
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head, and 20% for eyepiece), Eyepiece Tube Diameter 30mm		Standard	Standard	Standard
Eyepiece	Wide Field Eyepiece WF10×/ 22mm		Standard	Standard	Standard
	Wide Field Eyepiece WF15×/ 16mm		Optional	Optional	Optional
	Wide Field Eyepiece WF20×/ 12mm		Optional	Optional	Optional
Objective	Long Working Distance Infinite Plan Achromatic Objective	4×/0.11, W.D.=12.1mm	Standard	Standard	Standard
		10×/0.25, W.D.=8.3mm	Optional	Optional	Optional
		20×/0.40, W.D.=7.2mm	Optional	Optional	Optional
		40×/0.60, W.D.=3.4mm	Optional	Optional	Optional
			Optional	Optional	Optional
	Long Working Distance Infinite Plan Achromatic Phase Contrast Objective	4×/0.10, W.D.=9.2mm	Standard	Standard	Standard
		10×/0.25, W.D.=8.3mm	Standard	Standard	Standard
		20×/0.40, W.D.=7.2mm	Standard	Standard	Standard
		40×/0.60, W.D.=3.4mm	Standard	Standard	Standard

Specification

Nosepiece	Backward Quintuple Nosepiece	Standard	Standard	Standard
Condenser	4-hole rotating disc phase contrast condenser, N.A.0.4, W.D.45mm, It can be adjusted up-down	Standard	Standard	Standard
Centering Telescope	Centering Telescope (Φ30mm)	Standard	Standard	Standard
Phase Annulus	10×, 20×, 40× Phase Annulus Plate	Standard	Standard	Standard
	4× Phase Annulus Plate	Optional	Optional	Optional
Stage	Plain Stage 210(X)×240mm(Y), round slide plate: Φ110mm	Standard	Standard	Standard
	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang: 128mm×80mm	Standard	Standard	Standard
	Petri Dish Holder Φ65mm	Optional	Optional	Optional
	Petri Dish Holder Φ54mm	Standard	Standard	Standard
	Petri Dish Holder Φ35mm	Optional	Optional	Optional
	Blood cell counter Holder	Optional	Optional	Optional
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 10mm	Standard	Standard	Standard
Koehler Illumination	6V/50W Halogen Lamp, Brightness Adjustable, input voltage: 100V-240V	Standard	Standard	Standard
	5W LED Lamp, Brightness Adjustable, input voltage: 100V-240V	Optional	Optional	Optional
Auto power on-off system	Power off automatically upon user leaving 10 minutes, power on automatically upon user approaching	Standard	Standard	Standard
Filter	Blue Filter, Diameter 32mm	Standard	Standard	Standard
	Green Filter, Diameter 32mm	Standard	Standard	Standard
	Amber/Grey Filter, Diameter 32mm	Optional	Optional	Optional
C-mount	0.5× C-mount Adapter (focus adjustable)	Standard	Standard	Standard
	1× C-mount Adapter (focus adjustable)	Optional	Optional	Optional
	0.75× C-mount Adapter (focus adjustable)	Optional	Optional	Optional

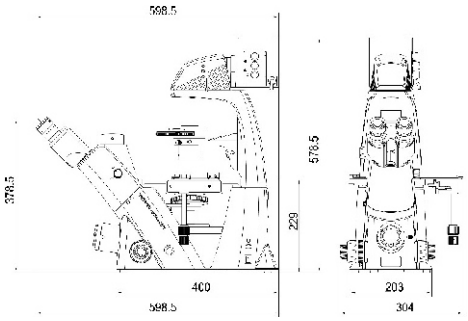
Specification

Adapter for DSLR Photography	100% light for Photography Port (Adapter for CANON or NIKON DSLR Digital Photography Camera)	Standard	Standard	Standard
Epi-Fluorescent Attachment	Epi-fluorescence attachment with 100W mercury lamp and B,G fluorescent filters, field diaphragm, center adjustable.	Optional	Optional	Optional
	Epi-fluorescence attachment with 5W LED lamp and B,G fluorescent filters (input voltage: 100V-240V), field diaphragm, center adjustable.	Optional	Optional	Optional
	V, UV fluorescent filters	Optional	Optional	Optional
Packing	1carton/set, Packing Size: 66cm×59cm×33cm, Gross Weight: 18kgs, Net Weight: 13.5kgs	Standard	Standard	Standard

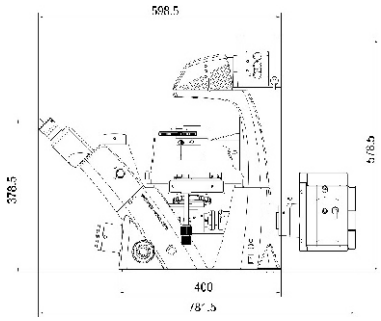
Application

STM-2093B Inverted microscope is used by medical and health units, universities, research institutes for oSTMervations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous oSTMervation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields

Dimension

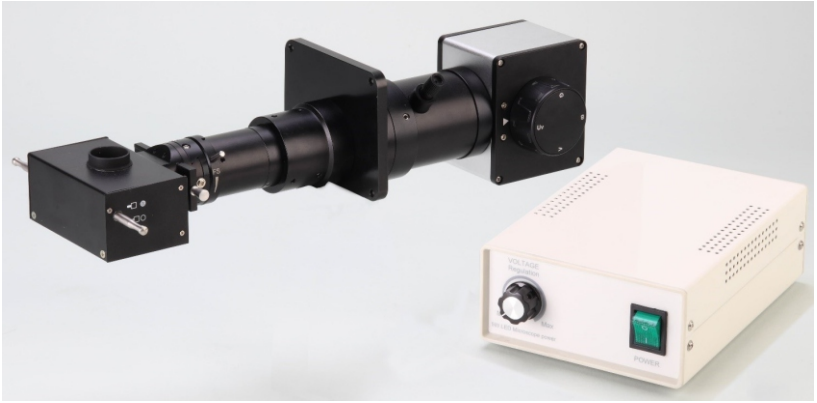


Dimension of STM-2093B



Dimension of STM-2093BFL

Fluorescent Attachment



LED fluorescent attachment for STM-2093BFL(LED)

Mercury fluorescent attachment for STM-2093BFL