

STALWART

Inverted Biological Microscope STM-2092



STM-2092

Introduction

STM-2092 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. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head take photos and videos.

Features

- Excellent optical function with infinite optical system.
- DSLR(Digital Single Lens Reflex) and microscope digital camera can be used together for image and video capture.
- Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.
- With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier.
- Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable.
- With pre-centerable Phase Annulus, Available to Observe Low Contrast or Transparent Specimens.

Specification

Item	Specification	STM-2092	
Optical System	Infinite Optical System	Standard	
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-75mm	Standard	
Eyepiece	Wide Field Eyepiece WF10×/ 20mm, Eyepiece Tube Diameter 30mm	Standard	
	Wide Field Eyepiece WF15×/ 16mm	Optional	
	Wide Field Eyepiece WF20×/ 12mm	Optional	
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/ 0.1,WD 22mm	Standard	
	LWD(Long Working Distance) Infinite Plan Achromatic Phase Objective	10×/ 0.25, WD 6mm	Standard
		20×/ 0.4, WD 3.1mm	Standard
		40×/ 0.55, WD 2.2mm	Standard
	Lamp House Adjustment Objective	Optional	
Nosepiece	Backward Quintuple Nosepiece	Standard	
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm	Standard	
	(Without Condenser the WD is 150mm)	Standard	
Centering Telescope	Centering Telescope (Φ30mm)	Standard	
Phase Annulus	10×-20×, 40× Phase Annulus Plate(Fixed)	Standard	
	10×-20×, 40× Phase Annulus Plate(Adjustable)	Optional	
Stage	Plain Stage 170×230mm	Standard	
	Glass Insert	Standard	
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang120mm×80mm	Standard	
	Auxiliary Stages 70mm×180mm	Standard	
	Terasaki Holder	Standard	
	Petri Dish Holder Φ35mm	Standard	

Specification

	Slide Glass Holder Φ 54mm	Standard
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm	Standard
Illumination	Halogen Lamp 6V/30W, Brightness Adjustable	Standard
	5W LED	Optional
Filter	Blue, Green and Frosted Glass Filter, Diameter 45mm	Standard
Accessories	23.2mm Photo tube Attachment(Used to connect microscope adapter and camera)	Optional
	0.5× C-mount(Used to directly connect to a C-mount digital camera)	Optional
	Epi-Fluorescent Attachment	Optional
Package	1carton/set, 46.5cm*39.5cm*64cm, 18kg	Standard

Application

STM-2092 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation 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.