Rev. 2024001



Inverted trinocular LED fluorescence microscope, B & G LED Fluorescence Cubes, IOS LWD W-PLAN PH objectives

Observation Method -	Brightfield	Yes
Transmitted Light	Phase contrast (Positive type)	Yes
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Observation Method -	Fluorescence	Yes
Incident Light	ridorescence	res
Main Body	Туре	Inverted
	Construction material	Aluminum die-cast
Head	Туре	Trinocular (Siedentopf)
	Split ratio	100/0 - 50/50
	Inclination	45°
	Interpupillary distance (mm)	50-75
	Diopter adjustment	On left tube
	Tube inner diameter (mm)	30
Eyepieces	Field number (mm)	22
	Magnification	10x
	Planar type	Yes
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	26
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes
Nosepiece	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	100x-400x
	Туре	IOS LWD W-PLAN PH
		IOS LWD W-PLAN PH
		10x/0.25, W.D. 7.3 mm

Stage Type		1	IOC I MD M DI AN DI I
Stage Type Dimensions (mm) Disparsions (mm) D			IOS LWD W-PLAN PH
Stage Type			
Stage			
Dimensions (mm) Adaterial Glass round insert Wes Metal round insert Holder for Petri dish (mm) Holder for Terasaki plate Holder for 1 slide Holder for Utermöhl chamber Holder for 1 slide Holder for 1 slide Holder for Utermöhl chamber Holder for 1 slide Holder for 1 slide Holder for 1 slide Holder for Utermöhl chamber Holder for 1 slide Holder for 1 slide Holder for Utermöhl chamber			40x/0.65, W.D. 3.0 mm
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Holder for Petri dish (mm)			
Holder for 1 slide			
Holder for 1 slide			
Holder for 2 slides			
Holder for Utermöhl chamber			
Type			
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Green filter User Manual Additional Information Mechanical stage dimension 250x230 mm, X-Y translation range 120x80 mm (as optional). Metallic interchangeable inserts for slides, Petri		Allen wrench	Yes
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			uisiles, Terasaki, muiti-weii piates (as optional).

Product Dimensions	Height (mm)	495
	Width (mm)	230
	Depth (mm)	540
Product Weight	(kg)	10.5
Fluorescence	Number of positions	3
Attachment	Filter dimensions	Excitation: 25 mm diam.;
		Dichroic: 36 mm x 25 mm;
		Emission: 25 mm diam.
	Number of LED Cubes	2
	BLUE LED Cube	LED Emission: 460 nm.
		Excitation: 455 - 495 nm;
		Dichroic: 500 nm;
		Emission: 510LP nm
	GREEN LED Cube	LED Emission: 523 nm.
		Excitation: 510 - 550 nm;
		Dichroic: 570 nm;
		Emission: 575LP nm
	Filter set selection	Manual
	LED source insertion	Manual
Fluorescence Light		LED Fluorescence Cube
Source	Light source power (W)	3.5
	LED wavelength	see LED Fluorescence Cube specs
	Lifetime (hours)	> 65,000
	Brightness control	Yes