Inverted trinocular HBO fluorescence microscope, B & G filter sets, IOS

Observation Method - Transmitted Light	Brightfield	Yes
	Phase contrast (Positive type)	Yes
Observation Method -	Fluorescence	Yes
Main Body	Type	Inverted
	Construction material	Aluminum die-cast
Head	Type	Trinocular (Siedentopf)
	Split ratio	100/0 - 0/100
	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
	Type	IOS LWD U-PLAN F
		IOS LWD U-PLAN F 10x/0.30, W.D. 7.11 mm
		IOS LWD U-PLAN F 20x/0.45, W.D. 5.91 mm

		IOS LWD U-PLAN F 40x/0.65, W.D. 1.61 mm
Stage	Type	Fixed
	Dimensions (mm)	250x160
	Material	Anti-scratch painting
	Glass round insert	Yes
	Metal round insert	Yes
	Holder for Petri dish (mm)	54 (Included), 38, 65 (As optional)
	Holder for Terasaki plate	96 well
	Holder for 1 slide	Yes
	Holder for 2 slides	As optional
	Holder for Utermöhl chamber	As optional
Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	0.30
	Diaphragm	Iris
	Slider for phase contrast	BF, 4x/10x, 20x/40x positions
	Slider for color filters	Yes
	Long working distance	Yes
	Working distance (for LWD) (mm)	72
	Extendable working distance (for LWD) (mm)	up to 150
Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0.2
	Fine resolution (µm)	2
	Adjustable tension	Yes
Transmitted Illumination	Type	X-LED
	X-LED type	X-LED8
	Light source power (W)	8
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	13
Power Supply for Transmitted Illumination	Type	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	6 Vdc 2.5 A
Accessories Included	Dust cover	Yes
	Allen wrench	Yes
	LBD filter	Yes
	User Manual	Digital version (downloadable)
Additional Information		Mechanical stage dimension 250x230 mm, X-Y translation range 120x80 mm (as optional). Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional).
Product Dimensions	Height (mm)	495
	Width (mm)	230

	Depth (mm)	730
Product Weight	(kg)	15
Fluorescence Attachment	Number of positions	4
	Blue filter set (included)	Excitation: 465 - 495 nm; Dichroic: 505 nm; Emission: 515LP nm
	Green filter set (included)	Excitation: 527 - 553 nm; Dichroic: 565 nm; Emission: 575LP nm
	UV filter set (Optional)	Excitation: 325 - 375 nm; Dichroic: 415 nm; Emission: 435LP nm
	V filter set (Optional)	Excitation: 390 - 420 nm; Dichroic: 440 nm; Emission: 450LP nm
	Filter dimensions	Excitation: 21.9 mm diam.; Dichroic: 29 mm x 21 mm; Emission: 20 mm diam.
	Filter set selection	Manual
	Shutter	Yes
	Field diaphragm	Centerable

**** If the use of a camera is needed, please order it by specifying with "AR GLASS" in order to observe above 650nm**

Fluorescence Light Source		HBO
	Light source power (W)	100
	Lifetime (hours)	300
Fluorescence Power Supply	Type	External
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Max. power required (W) / Output voltage	130
	LED indicators	Yes