v 2.1 2022



Trinocular HBO fluorescence microscope, 1000x, IOS N-PLAN objectives, Blue & Green filtersets

Transmitted Light Phase contrast (Positive type) Darkfield Simple polarized light As optional Simple polarized light As optional Pluorescence Yes Main Body Type Construction material Trasportation handle Yes Head Type Split ratio Inclination 30° 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer As optional As optional As optional As optional As optional As optional As optional Pes Transmitted Light As optional As optional As optional As optional	Observation Method -	Brightfield	Yes
Simple polarized light As optional Pluorescence Yes Main Body Type Construction material Trasportation handle Yes Head Type Split ratio Inclination 30° Inclination 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer As optional	Transmitted Light	Phase contrast (Positive type)	As optional
Observation Method-Incident Light Main Body Type Construction material Trasportation handle Type Split ratio Inclination 30° 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Magnification Pointer Field number (mm) Magnification Pointer Yes Upright Aluminum die-cast Trinocular (Siedentopf) Split ratio 50/50 Irrinocular (Siedentopf) Yes Irrinocular (Siedentopf) Split ratio 50/50 Inclination 30° Yes Interpupillary distance (mm) 48-75 Diopter adjustment Fixing screw for eyepieces Tyes Tube inner diameter (mm) 20 Magnification 10x Pointer As optional		Darkfield	As optional
Main Body Type Upright Aluminum die-cast Trasportation handle Yes		Simple polarized light	As optional
Main Body			
Construction material Trasportation handle Head Type Split ratio Inclination 30° 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Magnification Pointer Aluminum die-cast Aluminum		Fluorescence	Yes
Construction material Trasportation handle Head Type Split ratio Inclination 30° 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Magnification Pointer Aluminum die-cast Aluminum			
Trasportation handle Yes	Main Body		
Trinocular (Siedentopf) Split ratio			
Split ratio 50/50 Inclination 30° 360° rotating Yes Interpupillary distance (mm) 48-75 Diopter adjustment On both tubes Fixing screw for eyepieces Yes Tube inner diameter (mm) 23 Eyepieces Field number (mm) 20 Magnification 10x Pointer As optional		Trasportation handle	Yes
Split ratio 50/50 Inclination 30° 360° rotating Yes Interpupillary distance (mm) 48-75 Diopter adjustment On both tubes Fixing screw for eyepieces Yes Tube inner diameter (mm) 23 Eyepieces Field number (mm) 20 Magnification 10x Pointer As optional			
Inclination 30° 360° rotating Yes Interpupillary distance (mm) 48-75 Diopter adjustment On both tubes Fixing screw for eyepieces Yes Tube inner diameter (mm) 23 Eyepieces Field number (mm) 20 Magnification 10x Pointer As optional	Head		
360° rotating Yes Interpupillary distance (mm) 48-75 Diopter adjustment On both tubes Fixing screw for eyepieces Yes Tube inner diameter (mm) 23		•	·
Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) 23 Eyepieces Field number (mm) Magnification Pointer As optional			
Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) 23 Eyepieces Field number (mm) Magnification Pointer On both tubes Yes 23 10x As optional			
Fixing screw for eyepieces Tube inner diameter (mm) 23 Eyepieces Field number (mm) Magnification Pointer Fixing screw for eyepieces Yes 20 10x 10x Pointer As optional			
Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer Diameter (mm) 20 Magnification 10x As optional			On both tubes
Field number (mm) Magnification Pointer Pointer Eyepieces Field number (mm) 10x As optional		<u> </u>	
Magnification 10x Pointer As optional		Tube inner diameter (mm)	23
Magnification 10x Pointer As optional			
Pointer As optional	Eyepieces	Field number (mm)	20
		Magnification	10x
		Pointer	As optional
Micrometric scale As optional		Micrometric scale	As optional
Diameter of micrometer glass (mm) 21		Diameter of micrometer glass (mm)	21
High eyepoint (for glass wearers) Yes		High eyepoint (for glass wearers)	Yes
Rubber cup Yes		Rubber cup	Yes
Nosepiece Positions Quintuple	Nosepiece	Positions	Quintuple
Reversed Yes		Reversed	Yes
Bi-directional Yes		Bi-directional	Yes
Rotation on ball bearings Yes		Rotation on ball bearings	Yes
Objective thread RMS		Objective thread	RMS

Objectives	Optical system	∞
Objectives	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Туре	IOS N-PLAN
	Туре	4x/0.10, W.D. 16.8 mm
		10x/0.25, W.D. 5.8 mm
		20x/0.40, W.D. 5.1 mm
		40x/0.65, W.D. 0.43 mm
		100x/1.25 (Oil/Water),
		W.D. 0.13 mm
Stage	Туре	Double layer
Juge	Dimensions (mm)	233x147
	Moving mechanism	Rackless
	Moving range (mm)	78x54
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	2
	X-Y Vernier scale	Yes
		0.1
	Vernier scale accuracy (mm)	0.1
Condenser - Single	Туре	Abbe
Position	Removable	Yes
i osition	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragm	Iris
	Centrable	Yes
	Focusable	By rack and pinion
	Tocususic	by rack and pinton
Focusing System	Туре	Coaxial coarse & fine
	Coarse total travel (mm)	25
	Fine total travel (per single rotation) (mm)	0,2
	Fine graduations	100
	Fine resolution (µm)	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomy	Yes
	That know for engomenty	163
Transmitted	Kohler illumination	Fixed (full as optional)
Illumination	Туре	X-LED
	X-LED type	X-LED3
	Light source power (W)	3.6
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	6
	1 - 1 - 1	
Power Supply for	Туре	External
Transmitted	Microscope connector	Jack, 2.1 mm
Illumination	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
	Immersion oil (10ml)	Yes
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
Additional Information		Heating stage (as optional).
		External rechargeable battery pack (as optional).
		External rechargeable battery pack (as optional).
Product Dimensions	Height (mm)	485
	Width (mm)	235
	Depth (mm)	530
Product Weight	(kg)	12.4
	(1.6)	(including FLUO power supply)
Fluorescence	Number of positions	3
Attachment	Blue filter set (included)	Excitation: 460 - 490 nm; Dichroic: 505 nm;
	Dide inter set (included)	Emission: 515LP nm
		Excitation: 510 - 550 nm;
	Green filter set (included)	Dichroic: 570 nm;
		Emission: 575LP nm
		Excitation: 25 mm diam.;
	Filter dimensions	Dichroic: 36 mm x 25 mm;
		Emission: 25 mm diam.
	Filter set selection	Manual
	Shutter	Yes
-1	[Luna
Fluorescence Light	Light source	HBO
Source	Light source power (W)	100
	Lifetime (hours)	300
Chromosopa Danier	Type	Esternal
Fluorescence Power Supply	Type	External Analysis along (FILLIE)
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Max. power required (W) / Output voltage	130 Voc
	LED indicators	Yes