



*Trinocular LED fluorescence microscope,  
1000x, IOS N-PLAN objectives,  
Blue filterset*

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

Objectives	Optical system	$\infty$
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Type	IOS N-PLAN
		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	Type	Double layer
	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
	Vernier scale accuracy (mm)	0.1
Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragm	Iris
	Centrable	Yes
	Focusable	By rack and pinion
Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	25
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0.2
	Fine resolution ( $\mu\text{m}$ )	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomy	Yes
Transmitted Illumination	Kohler illumination	Fixed (full as optional)
	Type	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
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
	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).
Product Dimensions	Height (mm)	480
	Width (mm)	235
	Depth (mm)	405
Product Weight	(kg)	8.3
Fluorescence Attachment	Number of positions	3
	Blue filter set (included)	Excitation: 460 - 495 nm; Dichroic: 505 nm; Emission: 510LP nm
	Filter dimensions	Excitation: 18 mm diam.; Dichroic: 26.5 mm x 19 mm; Emission: 18 mm diam.
	Filter set selection	Manual
Fluorescence Light Source		Blue LED
	Light source power (W)	3.6
	LED wavelength	Blue LED: 465 nm
	Lifetime (hours)	> 65,000
	Brightness control	Yes



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