

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

		Blue tilterset
Observation Method -	Brightfield	Yes
Transmitted Light	Phase contrast (Positive type)	As optional
	Darkfield	As optional
	Simple polarized light	As optional
	Simple polarized light	7.5 optional
Observation Method -		
Incident Light	Fluorescence	Yes
moracine Eight		
Main Body	Туре	Upright
,	Construction material	Aluminum die-cast
	Trasportation handle	Yes
Head	Туре	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
		·
Eyepieces	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
Nosepiece	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

Objectives Objectives Objectives Objectives Objectives Anti-fungus treatment Parfocal distance (mm) Standard magnifications I/pe ION N-PLAN Anti-fungus treatment Ves IOS N-PLAN A(N-1000x I/pe ION N-PLAN A(N-101, W. D. 1.8 mm ION/0.25, W. D. 5.8 mm ION/0.25, W. D. 5.1 mm A(N/0.55, W. D. 0.43 mm ION/0.55, W. D. 0.43 mm ION/1.25 (Oil/Water), W. D. 0.13 mm Stage Type Dimensions (mm) Dimensions (mm) Moving range (mm) Moving range (mm) Material Anti-scratch painting Specimen holder Ves Side number Ves Vernier scale Ves Vernier scale Ves Vernier scale Vernier scale Vernier scale (vernier scale Vers Vernier scale accuracy (mm) Condenser - Single Position Removable Removable Numerical aperture (N.A.) Magnification scale for simplified positioning Diaphragm Iris Centrable Ves Diaphragm Iris Centrable Ves Coarse total travel (mm) Focusing System Type Coaxial coarse & fine Focus modes Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) 1.2 Upper stop to prevent contact Ves Internatived Illumination Fixed (full as optional) Irise Centrable Ves VEED VEED VEED VEED VEED VEED VEED VEE			
Parfocal distance (mm) 45	Objectives		∞
Standard magnifications 40x-1000x			Yes
Type			45
Asy(0.10, W.D. 15.8 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 2.33x147 Moving mechanism Rackless Rack		Standard magnifications	
Toylo		Туре	IOS N-PLAN
Stage			4x/0.10, W.D. 16.8 mm
Stage Type Dimensions (mm) Di			10x/0.25, W.D. 5.8 mm
Stage Type			20x/0.40, W.D. 5.1 mm
Stage Type Double layer			40x/0.65, W.D. 0.43 mm
Dimensions (mm) Moving mechanism Rackless Moving range (mm) Material Specimen holder Slide number Slide number Slide number Vers Vernier scale (ves) Vernier scale accuracy (mm) Condenser - Single Position Type Removable Removable Numerical aperture (N.A.) Magnification scale for simplified positioning Diaphragm Centrable Focusing System Type Coavial coarse & fine Coarse (Coarse & fine) Coarse (Coarse & fine			100x/1.25 (Oil/Water), W.D. 0.13 mm
Dimensions (mm) About Dimensions Dime			
Moving mechanism Rackless	Stage	Туре	Double layer
Moving range (mm) 78x54 Material Anti-scratch painting		Dimensions (mm)	233x147
Material Anti-scratch painting		Moving mechanism	Rackless
Specimen holder Yes		Moving range (mm)	78x54
Slide number 2 X-Y Vernier scale Yes Yes Vernier scale Accuracy (mm) O.1		Material	Anti-scratch painting
X-Y Vernier scale Yes		Specimen holder	Yes
Vernier scale accuracy (mm) 0.1		Slide number	2
Condenser - Single Position Removable Rese Rese Removable Rese Removable Rese Rese Rese Rese Rese Rese Rese Re		X-Y Vernier scale	Yes
Removable Numerical aperture (N.A.) 1.25 Magnification scale for simplified positioning Yes Diaphragm Iris Centrable Yes Focusible By rack and pinion		Vernier scale accuracy (mm)	0.1
Removable Numerical aperture (N.A.) 1.25 Magnification scale for simplified positioning Yes Diaphragm Iris Centrable Yes Focusible By rack and pinion			
Numerical aperture (N.A.) Magnification scale for simplified positioning Diaphragm Liris Centrable Focusable By rack and pinion Focusing System Type Coarse & fine Focus modes Coarse & fine Coarse & fine Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Filat knob for ergonomy Fixeb Kohler illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Four Supply for Transmitted Microscope connector Transmitted Microscope connector Microscope connector Microscope Siteman Fixed Microscope connector Lifetime Microscope connector Microscope Siteman Fixed	Condenser - Single	Туре	Abbe
Magnification scale for simplified positioning Diaphragm Centrable Focusable Focusing System Type Coaxial coarse & fine Focus modes Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Transmitted Illumination Kohler illumination Fixed (full as optional) Type X-LED X-LED type X-LED X-LED type X-LED Light source power (W) Brightness control Manual Lifetime (hours) Temperature (K) Max. required power (W) Max. required power (W) Focusing System Focusing Focusing System Yes Coaxial coarse & fine Coaxial coaxial coaxial coaxial coaxial coaxial coaxial coaxial coaxial coaxi	Position	Removable	Yes
Diaphragm Centrable Focusable By rack and pinion Focusing System Type Coaxial coarse & fine Focus modes Coarse total travel (mm) 25 Fine graduations Fine total travel (per single rotation) (mm) Diaphragm Type Transmitted Focus modes Coarse & fine Focus modes Coarse Modes Coars		Numerical aperture (N.A.)	1.25
Centrable Focusable Type Coaxial coarse & fine Focus modes Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Coarse total travel (per single rotation) (mm) Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Yes Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Kohler illumination Fixed (full as optional) Type X-LED X-LED X-LED Light source power (W) 3.6 Brightness control Lifetime (hours) Fixed (full as optional) As Optional Fixed (full as optional) Fixed (full as optional) Fixed (full as optional) As Optional Fixed (full as optional) F		Magnification scale for simplified positioning	Yes
Focusing System Type Coaxial coarse & fine Focus modes Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (μm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Transmitted Illumination Kohler illumination Fixed (full as optional) Fixed (full as optional) Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Focus and practical coarse & fine Coarse to a coarse fine Coarse fine Coarse to a coarse fine		Diaphragm	Iris
Focusing System Type Focus modes Coarse total travel (mm) Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Flat knob for ergonomy Type X-LED X-LED type X-LED3 Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Four Supply for Transmitted Microscope connector Type Coaxial coarse & fine Coarse & fine Coaxial coarse & fine Coarse		Centrable	Yes
Focus modes Coarse total travel (mm) 25 Fine graduations Fine total travel (per single rotation) (mm) Co.2 Fine resolution (µm) 2 Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Flat knob for ergonomy Transmitted Illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Fower Supply for Transmitted Microscope connector Type External Microscope connector Jack, 2.1 mm		Focusable	By rack and pinion
Focus modes Coarse total travel (mm) 25 Fine graduations 100 Fine total travel (per single rotation) (mm) 0.2 Fine resolution (µm) 2 Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Flat knob for ergonomy Yes Transmitted Illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Flower Supply for Transmitted Microscope connector Type External Microscope connector Logo Coarse & fine Coarse define Coarse & fine Coarse define Coarse A fine Coarse define Coarse A fine Coarse define Co			
Coarse total travel (mm) Fine graduations Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (μm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Kohler illumination Type X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Man. required power (W) Fower Supply for Transmitted Microscope connector Microscope connector Microscope connector Jack, 2.1 mm	Focusing System	Туре	Coaxial coarse & fine
Fine graduations Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Ves Flat knob for ergonomy Yes Ves Kohler illumination Fixed (full as optional) Type X-LED X-LED X-LED Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Fixed (full as optional) Manual Lifetime (hours) Fosono Fo		Focus modes	Coarse & fine
Fine total travel (per single rotation) (mm) Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Kohler illumination Type X-LED X-LED X-LED Ught source power (W) Brightness control Lifetime (hours) Temperature (K) Man. required power (W) Max. required power (W) Fixed (full as optional) ALED W-LED		Coarse total travel (mm)	25
Fine resolution (µm) Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Power Supply for Transmitted Fixed (full as optional) X-LED X-LED X-LED Manual Lifetime (hours) - 65,000 6,300 Power Supply for Transmitted Type External Microscope connector Jack, 2.1 mm			
Upper stop to prevent contact Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Type Power Supply for Transmitted Type External Microscope connector Mess External Microscope connector Jack, 2.1 mm		Fine total travel (per single rotation) (mm)	0.2
Adjustable tension Flat knob for ergonomy Yes Transmitted Illumination Kohler illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Power Supply for Transmitted Microscope connector Yes Yes Fixed (full as optional) A.LED X-LED Manual Manual S-65,000 6,300 6 External Microscope connector Jack, 2.1 mm		Fine resolution (µm)	2
Transmitted Illumination Kohler illumination Type X-LED X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Power Supply for Transmitted Fixed (full as optional) Fixed (full as optional) A-LED M-LED Manual Man		Upper stop to prevent contact	Yes
Transmitted 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 Type External Microscope connector Jack, 2.1 mm		Adjustable tension	Yes
Type		Flat knob for ergonomy	Yes
Type			
X-LED type Light source power (W) Brightness control Lifetime (hours) Temperature (K) Manual Associated by the control of the control o	Transmitted	Kohler illumination	Fixed (full as optional)
Light source power (W) Brightness control Lifetime (hours) Temperature (K) Max. required power (W) Power Supply for Transmitted Type External Microscope connector Jack, 2.1 mm	Illumination	Туре	X-LED
Brightness control		X-LED type	X-LED3
Lifetime (hours) > 65,000 Temperature (K) 6,300 Max. required power (W) 6 Power Supply for Type External Microscope connector Jack, 2.1 mm		Light source power (W)	3.6
Temperature (K) 6,300 Max. required power (W) 6 Power Supply for Transmitted Microscope connector Jack, 2.1 mm		Brightness control	Manual
Max. required power (W) 6 Power Supply for Type External Microscope connector Jack, 2.1 mm		Lifetime (hours)	> 65,000
Power Supply for Type External Microscope connector Jack, 2.1 mm		Temperature (K)	6,300
Transmitted Microscope connector Jack, 2.1 mm		Max. required power (W)	6
Transmitted Microscope connector Jack, 2.1 mm			
	Power Supply for	Туре	External
Illumination Power plug type Multi-plug (EU, UK, US)	Transmitted	Microscope connector	Jack, 2.1 mm
	Illumination	Power plug type	Multi-plug (EU, UK, US)
Input voltage 100/240 Vac, 50/60 Hz			100/240 Vac, 50/60 Hz
Output voltage 6 Vdc 2.5 A		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)	480
	Width (mm)	235
	Depth (mm)	405
Product Weight	(kg)	8.3
Fluorescence	Number of positions	3
Attachment	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		Blue LED
Source	Light source power (W)	3.6
	LED wavelength	Blue LED: 465 nm
	Lifetime (hours)	> 65,000
	Brightness control	Yes