



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

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| Observation Method - Transmitted Light | Brightfield | Yes |
| | Phase contrast (Positive type) | As optional |
| | Darkfield | As optional |
| | Simple polarized light | As optional |
| Observation Method - Incident Light | Fluorescence | Yes |
| Main Body | Type | Upright |
| | Construction material | Aluminum die-cast |
| | Trasportation handle | Yes |
| Head | Type | Trinocular (Siedentopf) |
| | Split ratio | 50/50 |
| | Inclination | 30° |
| | 360° rotating | Yes |
| | Interpupillary distance (mm) | 48-75 |
| | Dioptric 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 | Optical system | ∞ |
| | 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 |

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| Condenser - Single Position | Type | Abbe |
| | Removable | Yes |
| | Numerical aperture (N.A.) | 1.25 |
| | Magnification scale for simplified positioning | Yes |
| | Diaphragms | Iris |
| | Centrable | Yes |
| | Focusable | By rack and pinion |
| Focusing System | Type | 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 ergonomoy | 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) | 485 |
| | Width (mm) | 235 |
| | Depth (mm) | 530 |
| Product Weight | (kg) | 12.4 (including FLUO power supply) |
| Fluorescence Attachment | Number of positions | 3 |
| | Blue filter set (included) | Excitation: 460 - 490 nm; Dichroic: 505 nm; Emission: 515LP nm |
| | Green filter set (included) | Excitation: 510 - 550 nm; Dichroic: 570 nm; Emission: 575LP nm |
| | Filter dimensions | Excitation: 25 mm diam.; Dichroic: 36 mm x 25 mm; Emission: 25 mm diam. |
| | Filter set selection | Manual |
| | Shutter | Yes |
| Fluorescence Light Source | 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) | 130 |
| | LED indicators | Yes |