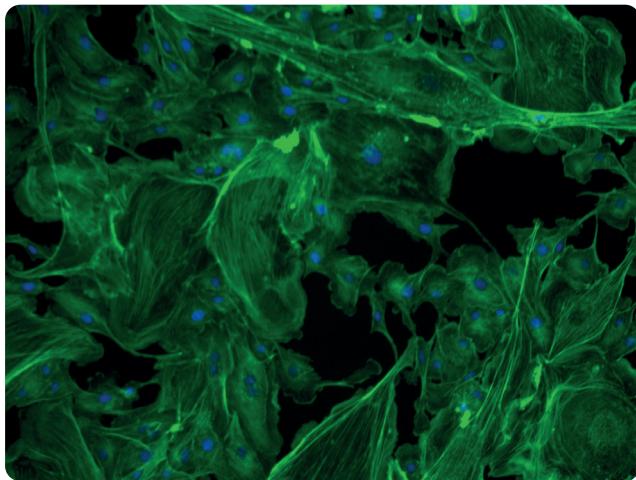


Unmatched flexibility for your workflow



Possible Applications

- Oncology/Liquid biopsy
- Infectious-disease diagnostics
- Cytology
- Autoimmune diagnostics
- Veterinary diagnostics
- Cell therapy
- Cell counting
- Pathology



Specs & Customization

Working principle	inverse fluorescence microscope
Camera	high-resolution 2.3 MP CMOS sensor (1920 x 1200 px)
Objective	three motorized, automatically changeable objectives (2x – 60x)
Sample formats	removable sample insert for 5 standard slides (25 mm x 75 mm), one microwell plate or customized format
Positioning	automatic or manual approach for sample handling
Autofocus	contrast-based autofocus routine
Fluorescence channels	up to 4 fluorescence channels with LED-excitation → DAPI (excitation at 385 nm) → FITC (excitation at 470 nm) → Cy3 (excitation at 550 nm) → Cy5 (excitation at 633 nm) other customized configurations on request
Image resolution	10x objective: field of view a 1.75mm x 1.1mm (0.9 µm/pixel) 20x objective: field of view 0.88mm x 0.55mm (0.45 µm/pixel) 40x objective: field of view 0.44mm x 0.28mm (0.23 µm/pixel)
Connectivity	4x USB 3.1; 1x HDMI; 1x LAN
User interface	external monitor, keyboard, mouse
Software	→ manual or automated device operation → manual or automated image acquisition → customer-specific imaging routine → application-specific image analysis modules → protocol generation and LIMS connectivity
Power supply	external power supply 24V / 160 W
Dimensions	37 cm x 50 cm x 31 cm (w/d/h)
Total weight	approx. 18 kg

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ASKION
FLUO MICROSCOPY



FluoM – Platform for advanced stage of automated fluorescence microscopy

customisable, flexible, suitable for integration

askion-fluomicroscopy.com



Your brand – your fluorescence microscope!

FluoM is our advanced platform for more flexibility, throughput and automation. This inverse microscopic system features three automatic changeable objectives from Olympus series, four LEDs and a dual-position filter changer, offering two customizable filter slots within a single motorized unit, providing high level of control over imaging even for the demanding research applications.

For full automation, system combines the FluoM microscope with robotic plate handling and plate-hotel storage to deliver true high-throughput imaging—from automatic loading and scanning to analysis, all within one integrated solution.

Start your inquiry today!

The FluoM Platform is the perfect choice if you need high flexibility concerning sample formats, fluorescence channels, magnification and automation at the same time.



Main features

- ⦿ Inverse fluorescence microscope
- ⦿ Motor-driven stage, objective- and filter-changer
- ⦿ Up to four durable and maintenance free LEDs, supported with two customizable multibandpass filter configurations
- ⦿ Integrated PC and external monitor and keyboard
- ⦿ Removable sample insert for customer specific sample formats (five slides or one microwell plate)
- ⦿ Up to three objectives in magnification 2x - 60x
- ⦿ Integrated bar/QR code reader

Advantages

- ⦿ **Customizable**
Instantly ready with a standard configuration (three or four channels), yet modular with optics, filters and LEDs of your choice.
- ⦿ **Adaptable software**
Manual microscop*py, as well as customizable automated imaging routines. Compatible with countless software modules for image analysis.
- ⦿ **White-label platform**
Serial production with short lead time, housing with own branding elements.
- ⦿ **Full level of automation**
Seamless integration with robotic systems and connection to LIMS.
- ⦿ **Compact**
Small footprint, integrated PC, no dark room needed.