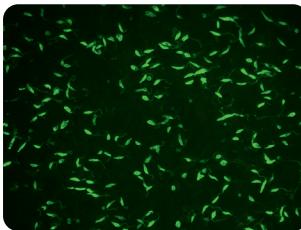
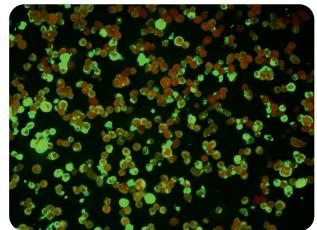
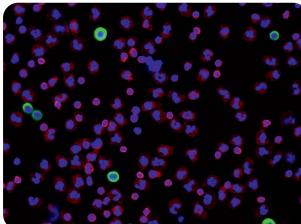
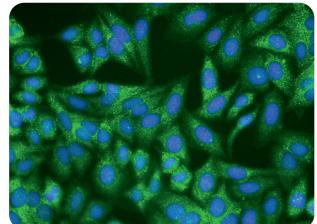


The perfect tool for routine microscopy



Possible Applications

- ⇒ Infectious-diseases diagnostics
- ⇒ Oncology / Liquid biopsy
- ⇒ Veterinary diagnostics
- ⇒ Autoimmune diagnostics
- ⇒ Pathology



Specs & Customization

Working principle	upright epifluorescence microscope
Camera	high-resolution 2.3 MP CMOS sensor (1920 x 1200 px)
Objective	single fixed objective (2x-60x)
Sample formats	2 standard slides 26 mm x 76 mm or customizing available
Positioning	automatic or manual approach for sample handling
Autofocus	contrast-based autofocus routine
Fluorescence channels	up to 3 fluorescence channels with LED-excitation → DAPI (excitation at 385 nm) → FITC (excitation at 470 nm) → Cy5 (excitation at 633 nm) other customized configurations on request
User interface	integrated 10" touch display
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 24 V / 160 W
Dimensions	28 cm x 46 cm x 32 cm (w/d/h)
Total weight	ca. 15 kg
Image resolution	10x objective: field of view 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

ASKION GmbH

Gewerbepark Keplerstrasse 17-19
07549 Gera (Germany)



ASKION
FLUO MICROSCOPY



**FluoS - Platform for
entry level automated
fluorescence microscopy**

compact, capable, cost-effective

askion-fluomicroscopy.com



Precision in a compact design

FluoS is an intuitive platform for entry-level fluorescence microscopy, offering automated sample processing to reduce manual and time-consuming routine microscopy workflows.

The platform supports three fluorescence channels and one upright objective of your choice, allowing configuration tailored to your specific application needs—whether for screening, quality control, or point-of-care diagnostics.

FluoS is a remarkably compact, plug-and-play system for standard fluorescence microscopy or for use with software specifically designed for your assays.

Start your inquiry today!

The FluoS Platform is perfect to effortlessly streamline manual and time consuming microscopy routines.



**Quality
Made in
Germany**

Main features

- ⦿ XY-Positioning: Motorized stage
- ⦿ Excitation: Durable and maintenance free LED-modules, up to three fluorescence channels (e.g. DAPI, FITC and Cy5); automated switching
- ⦿ Sample loader for 2 slides or custom configurations
- ⦿ One customizable objective (Olympus PLN series)
- ⦿ Integrated computer
- ⦿ CMOS Camera
- ⦿ Software autofocus
- ⦿ Touch Display 10"

Advantages

- ⦿ **Customizable**
Instantly ready with a standard configuration (DAPI/FITC/Cy5), yet modular with optics, filters and LEDs of your choice.
- ⦿ **Adaptable software**
Manual microscopy, as well as pre-defined or 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.
- ⦿ **Hassle free**
Minimal effort and training required – plug-and-play platform.
- ⦿ **Compact**
Exceptionally small footprint – when space matters. No darkroom needed.
- ⦿ **Competitive pricing**
Accessible to new customer segments and applications – Ingenious design omits everything but quality.