

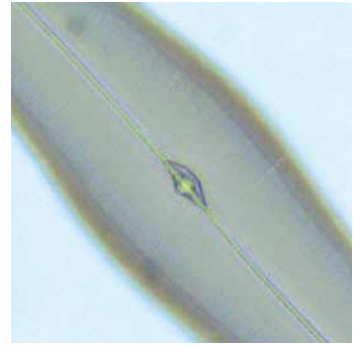
We bring technologies together.



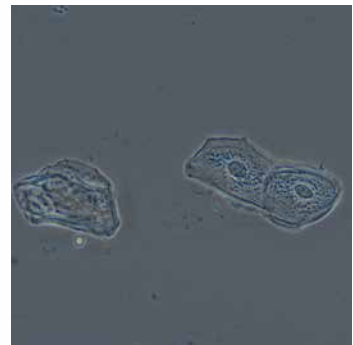
## Laboratory microscope medicus pro

The versatile laboratory microscope for education,  
medical practice and clinical lab

# Laboratory microscope medicus pro



Diatom, brightfield



Epithelial cells, phase contrast



Diatom, darkfield

Ergonomy, configuration and performance of the medicus pro are especially aligned with the demands of established doctors and clinical laboratories.

An advanced optical system forms a brilliant microscopic image in brightfield, phase contrast and darkfield (up to the objective 40x).

# Five configurations, one system

Two basic configurations are available for a variety of applications, either with binocular or trinocular observation tubes. An LED illumination guarantees economic operation and a long lifetime. The medicus pro Myko is a dedicated configuration for the detection of mycoses, yeasts and bacteria via incident-light fluorescence.

As the system has the capability to integrate several contrasting techniques, it is not only space-saving, but in connection with the IVD label, it also guarantees high diagnostic reliability. A competent and experienced team of experts will assist you in the configuration of your microscope and in the choice of the most suitable documentation option.

## Benefits:

- Bright white-light LED light source (3 W), adjustable colour temperature, with field diaphragm for alignment according to Köhler
- „Light memory“ function
- Ergonomic focusing drive
- Phase contrast equipment for objectives 20x/40x, darkfield (optional) up to the 40x
- Incident-light fluorescence illuminator, with optical switch brightfield/fluorescence
- Own fluorochrome (Mykoval) for the detection of mycoses

## Practicable configurations

### medicus pro B / medicus pro T

For the examination of high-contrast, mostly stained specimens like tissue sections or smears in brightfield microscopy. With binocular tube (B) or trinocular tube (T), planachromatic objectives 4x/0.10, 10x/0.25, 40x/0.65, 100x/1.25 Oil and condenser NAI.25.

### medicus pro PH-B / medicus pro PH-T

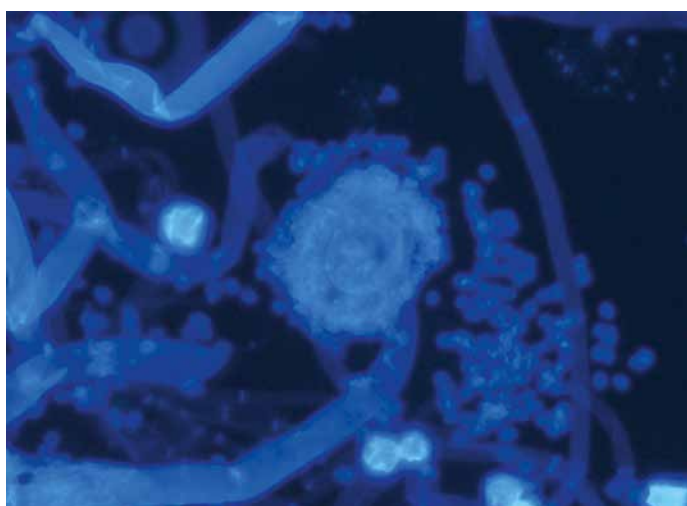
Optimal image contrast for the examination of low-contrast, unstained specimens like urine sediments, bacteria or cells. With binocular tube (B) or trinocular tube (T), planachromatic objectives 4x/0.10, 20x/0.40 PH, 40x/0.65 PH, 100x/1.25 Oil and condenser NAI.25 with phase contrast slider for the objectives 20x/40x.

### medicus pro Myko

For the fluorescence examination of specimens stained with Mykoval, particularly smears or environmental samples. An optical switch allows examinations in brightfield. With binocular tube, planachromatic objectives 4x/0.10, 10x/0.25, 40x/0.65, 100x/1.25 Oil und condenser NAI.25. Incident-light illuminator with excitation wavelength 365 nm and emission > 420 nm.

# Technical data

	Specifications medicus pro
<b>Stand</b>	Cast metal, integrated recessed grip
<b>Eyepieces</b>	WF 10x/20 (suitable for spectacle wearers)
<b>Observation tubes</b>	Binocular, Siedentopf type trinocular (50/50), Siedentopf type
<b>Camera adapter (for trinocular tube)</b>	C-Mount 0.5x for cameras with 1/2" sensors
<b>Nosepiece</b>	Quintuple, with ball bearing, inclined backwards
<b>Objectives</b>	Planachromatic 4x, 10x, 40x, 100x (brightfield), planachromatic 20x, 40x (phase contrast)
<b>Stage</b>	150 mm x 162 mm, rackless in y, traveling range 76 mm x 50 mm, object guide with spring lever for two specimens, coaxial stage drive on the right
<b>Focusing drive</b>	Coaxial coarse and fine focusing drives Coarse drive: travel range 30 mm Fine drive: Resolution 0.002 mm Left-side coarse drive with friction control Right-side coarse drive with flat knob for optimised operability
<b>Condenser</b>	NA1.25 with aperture diaphragm, centerable
<b>Illumination (transmitted light)</b>	White-light LED (3 W) with adjustable colour temperature and „light memory“ function
<b>Illumination (incident light)</b>	LED incident-light fluorescence illuminator (Mykoval) Excitation wavelength 365 nm
<b>Power supply</b>	100 ... 230 V AC, 50 ... 60 Hz (table power pack) Fluorescence illuminator with supply cable
<b>Optional accessories</b>	Auxiliary microscope for phase contrast, darkfield slider, colour filters
<b>Data subject to changes without notice.</b>	



Mould  
(*Aspergillus* spp.),  
Mykoval,  
objective 40x

Medicus pro  
Myko



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