

## **ZEISS Axioscope 5**

Your Smart Microscope for  
Biomedical Routine and Research

[zeiss.com/axioscope](http://zeiss.com/axioscope)



Seeing beyond

# ZEISS Axioscope 5

## Your Smart Microscope for Biomedical Routine and Research

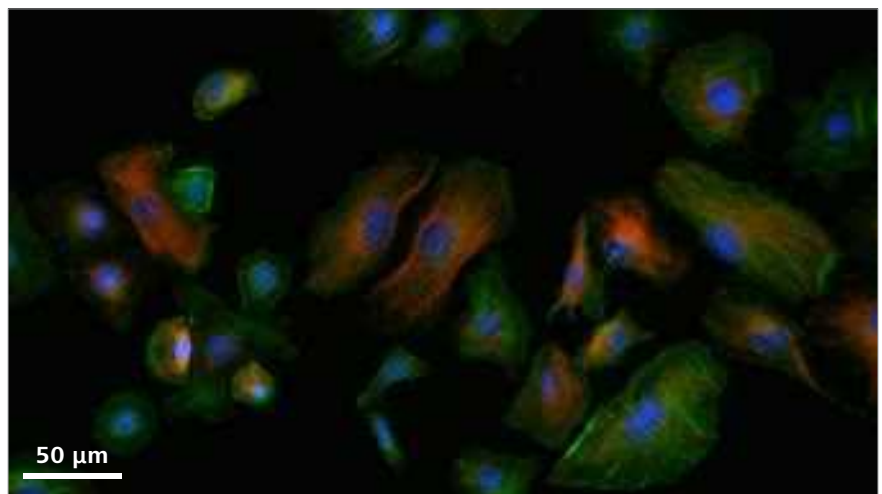
In your clinical lab, such as a pathology lab, smart features and ergonomic handling are particularly valuable. Adaptable accessories such as ergophototubes further enhance your comfort and reduce strain during work. While working with Axioscope 5 you don't even need to move your hands from the microscope stand anymore. All you have to do is focus and press Snap. You're done. This allows you to fully concentrate on analyzing and documenting your samples. You'll work more efficiently, save time and produce high contrast images with best image quality. What's more: this even works without any PC involved.



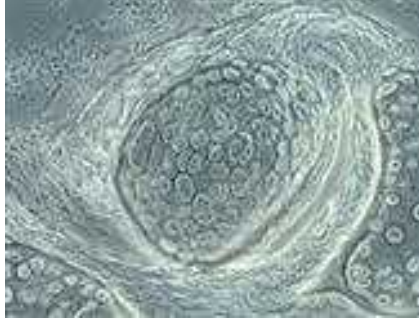
*Snap images without taking your hands off the microscope*

### With Axioscope, you:

- Capture up to four fluorescence channels with just one click.
- Profit from the Smart Microscopy concept and experience a completely new way of digital documentation.
- Can use co-observation systems for lab training, consultation and education.
- Keep an eye on your and your colleagues health. Axioscope 5 is designed with ergonomics at the forefront, ensuring comfort and efficiency.



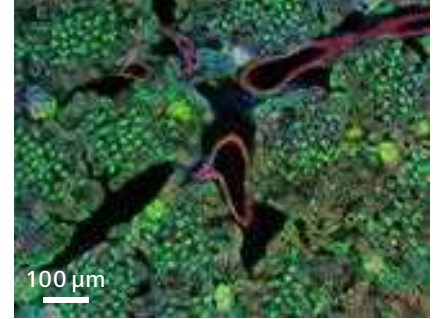
*Mink Uterus Endometrium Epithelial Cells, vimentin – red, F-actin – green, nucleus – blue; acquired with ZEISS Axioscope 5, Colibri 3 and Axiocam 202 mono in stand-alone mode, objective: Plan-Apochromat 40x/0.95*



Trout cartilage acquired in phase contrast, objective: Plan-Apochromat 63x/1.4



Crystal, acquired in polarization contrast, objective: Plan-Neofluar 20x/0.8



Mouse kidney in fluorescence, cryosection, AF 488 – WGA, AF 568 Phalloidin, DAPI, objective: Plan-Apochromat 20x/0.8

### Capture Multichannel Fluorescence Images with Just One Click

Acquiring fluorescent images has never been so easy. Combine Axioscope 5 with the high performance LED light source Colibri 3 and the sensitive, standalone microscope camera Axiocam 202 mono to have the perfect setup for easy multichannel fluorescence documentation. Switch effortlessly between the channels for UV, blue, green and red excitation. Just select the relevant channels and press Snap. The system then takes over and automatically adjusts the exposure time, acquires the image, switches the channel and starts again. That's it: you get your overlaid multichannel fluorescence image including scale bar – even without a PC.

### Smart Microscopy Makes Your Digital Documentation Faster

Axioscope 5 makes documenting your specimens very efficient. The color impression shows up in the camera image exactly the same as it appears through the eyepieces. The smart microscope systems make automatic adjustments for brightness and white balance to keep digital documentation easy. All you have to do is focus on your sample, press the ergonomic Snap button on the microscope, and that's it. Acquiring high quality images with high color fidelity has never been easier – and faster.

### More Economic and Reliable

Maintaining a healthy and relaxed working environment is crucial, especially during long shifts. Axioscope 5 is designed with ergonomics at the forefront, ensuring comfort and efficiency. The microscopes feature an adjustable ergotube, allowing you to modify the eyepiece height and angle to match your natural posture. All essential buttons and controls are within easy reach, reducing the risk of repetitive strain injuries. The light manager automatically adjusts the illumination to provide uniform brightness at all magnifications. You don't need to manually adjust lamp brightness, saving time and reducing eye fatigue. The transmitted white light LED provides powerful illumination with high color fidelity. Additionally, LED illumination offers stable color temperature, low energy consumption, and a long lifetime, making it both an efficient and cost-effective choice.

# Your Flexible Choice of Components

## Stand-alone for Basic Routine Imaging



ZEISS Axioscope operates independently of a computer system.

## ZEISS Labscope for Advanced Routine Imaging



Operating ZEISS Axioscope with ZEISS Labscope imaging software is ideal for easy documentation with annotation and sharing possibilities.

## ZEISS ZEN for Research Applications



Use ZEN imaging software to perform advanced imaging tasks with ZEISS Axioscope.

## This is Smart Microscopy – Digital Documentation Made Easy

Used in combination with the microscope cameras Axiocam 202 mono or Axiocam 208 color, you have the full advantage of a smart stand-alone microscope solution.

Camera settings such as white balance, exposure time, and image enhancement functions are done automatically. Without needing additional imaging software or even a computer, you can:

- Snap images and record videos directly from your stand
- Use mouse (and optionally keyboard) to control your camera via OSD (on screen display)
- Save settings
- Store images with all metadata of the microscope and camera as well as scaling information
- Predefine the name or rename your image

## Stay Relaxed and Protect Your Health

Efficiency and quality are key in your lab, but it can take a lot of time to acquire detail-rich, true-color images. You know the drill: place the sample, focus your region of interest, switch to the computer, adjust settings such as white balance, exposure time and gain, then acquire an image, insert a scale bar, switch back to the microscope ... and so on. That's what a typical documentation workflow looks like. Now, with the Axioscope 5 system, you can stay focused on your sample at all times, thanks to smart microscopy. Digital documentation is inherent in the system design. Just press the ergonomic Snap button on the microscope and you're done. The procedure integrates perfectly with your established microscopy workflow and boosts your efficiency tremendously.



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