



ZEISS Axioscope 5

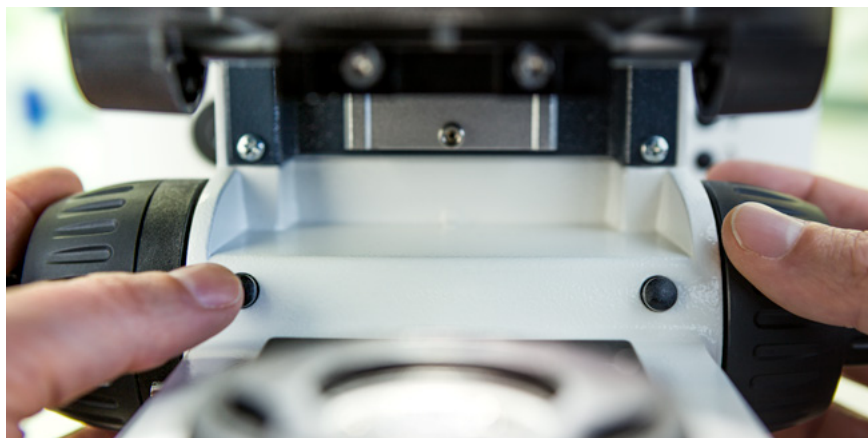
Your Smart Microscope for
Biomedical Routine and Research



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This smart microscope system teams Axioscope 5 with a high-performance LED light source and a sensitive, standalone microscope camera to document your samples in transmitted light or fluorescence – all in one go. In particular, it's never been easier to acquire fluorescent images consisting of up to four different channels. Now, instead of going through that tedious process of at least 15 steps with a manual microscope, all you have to do is push a button.

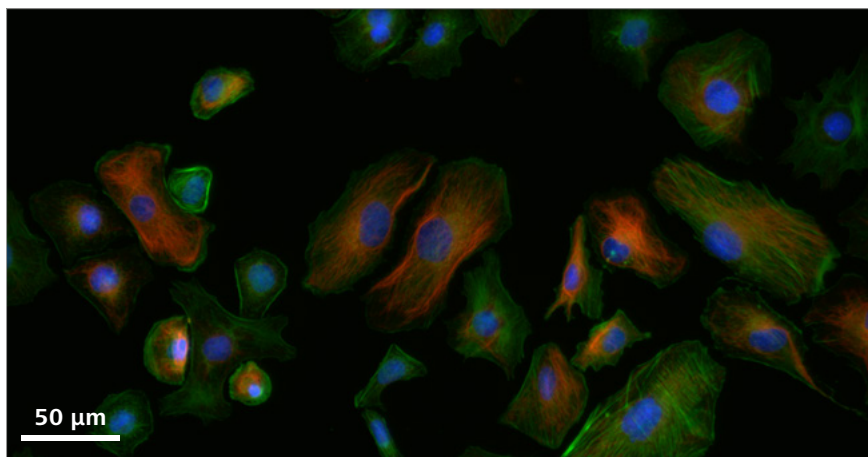


Snap images without taking your hands off the microscope

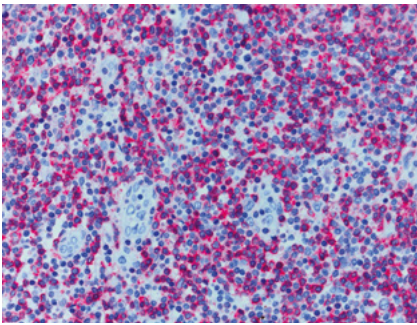


Axioscope 5's high quality optics deliver brilliant images of your sample. In addition, this smart, encoded microscope facilitates digital documentation enormously, and

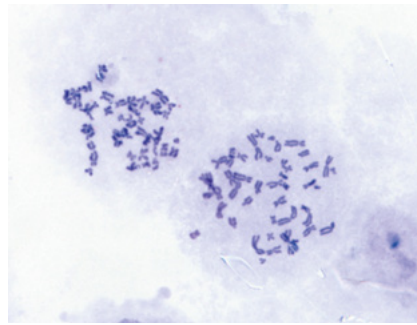
without getting in the way of your established workflow in the lab. You'll work more efficiently, save time and produce high contrast images with the very best resolution.



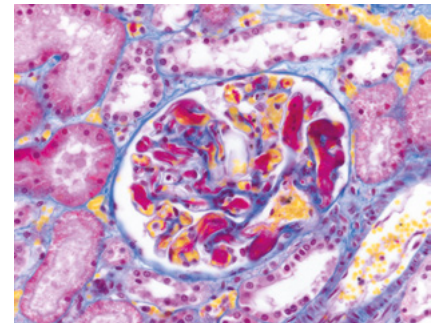
Mink Uterus Endometrium Epithelial Cells, vimentin – red, F-actin – green, nucleus – blue; acquired with ZEISS Axioscope 5, Colibri 3 and Axiocam 202 mono in stand-alone mode, objective: Plan-Apochromat 40x/0.95



Histological specimen (human). CDx immunohistological stain; Red: immunoreactive antigens in cytoplasm; Blue: nuclear counterstaining Ziehl-Neelsen-Färbung, objective: EC Plan-Neofluar 63x / 0.95 Korr.



Chromosome specimen (human). Giemsa stain, objective: Plan-Apochromat 63x / 1.4



Renal tissue (human). Trichrome stain, objective: Plan-Apochromat 40x / 0.95

Capture Multichannel Fluorescence Images with Just One Click

Acquiring fluorescent images has never been so easy. Using Axioscope 5 in conjunction with its LED light source Colibri 3, you 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. So there you have it in one go: your overlaid multichannel fluorescence image, complete with a scale bar – even without a PC.

Enjoy Fast Digital Documentation with Smart Microscopy

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 Axioscope 5 system makes automatic adjustments for illumination 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 quicker.

Visualize Your Sample Clearly and Effortlessly

Axioscope 5 uses its transmitted white light LED to provide powerful illumination with high color reproducibility. You will clearly see the subtle differences in your sample. And experience all the advantages of LED illumination properties such as stable color temperature, low energy consumption and long lifetime. Axioscope 5 comes with a light intensity manager that produces uniform brightness at all magnifications so adjusting lamp brightness when you change magnification is a thing of the past. That saves you time and reduces eye fatigue, too.

Your Flexible Choice of Components

Stand-alone for Basic Routine Imaging



ZEISS Axioscope 5 operates independently of a computer system.

ZEISS Labscope for Advanced Routine Imaging



Operating ZEISS Axioscope 5 with ZEISS Labscope imaging software is ideal for connected microscopy and standard multichannel fluorescence imaging.

ZEISS ZEN for Research Applications



Use ZEN imaging software to perform advanced imaging tasks with ZEISS Axioscope 5.

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 standalone microscope solution.

Camera settings such as white balance, contrast and exposure time 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

Boost your Efficiency – with Smart Microscopy

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.

