



ZEISS Axiolab 5

Optimize Clinical and Biomedical Lab Efficiency
with Smart Microscopy

zeiss.com/axiolab



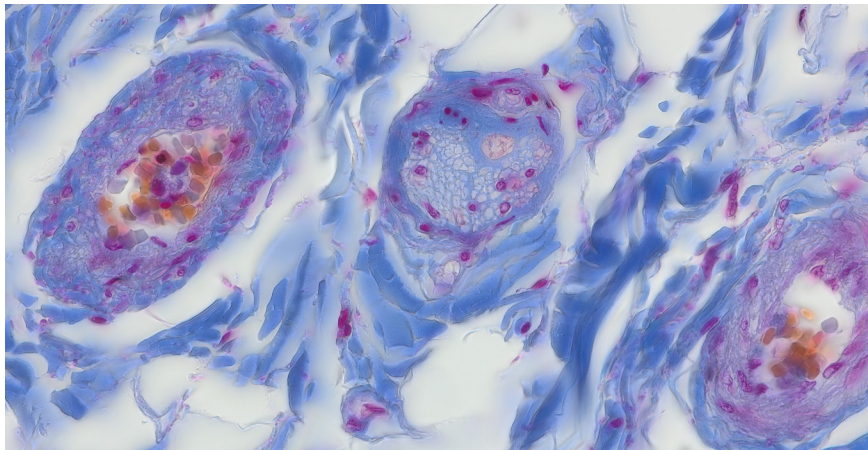
Seeing beyond

ZEISS Axiolab 5

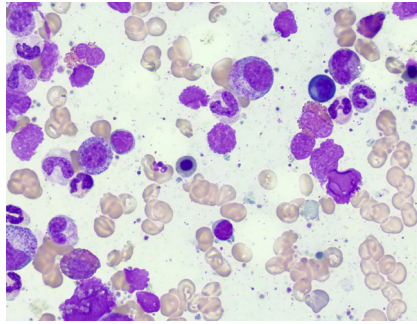
Optimize Clinical and Biomedical Lab Efficiency with Smart Microscopy

Axiolab 5 is designed with your convenience in mind, enabling you to sit comfortably and maintain a relaxed posture during long hours of microscope work. With adjustable features, you can customize your microscope to suit your individual preferences, ensuring an optimal fit and reducing the risk of discomfort or strain. Personalize the illumination settings, adapt the viewing height, and define the stage control. Combine your microscope with Axiocam 208 color and take full advantage of the smart microscopy concept: you'll be

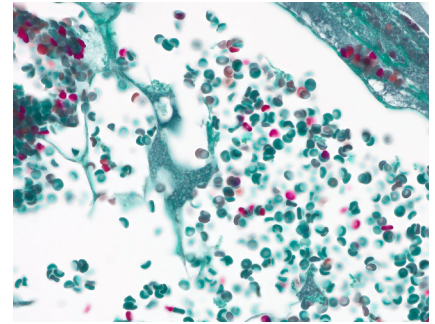
experiencing a completely new form of digital documentation. Just focus your sample and press a single button for crisp images in true color. The digital image will look like you see it through the eyepieces, with all the details and subtle color differences clearly visible. Plus, Axiolab 5 automatically adds the correct scaling information to your images – without necessarily a PC or any additional software. Save time, money and valuable lab space with Axiolab 5. Digital documentation has never been easier.



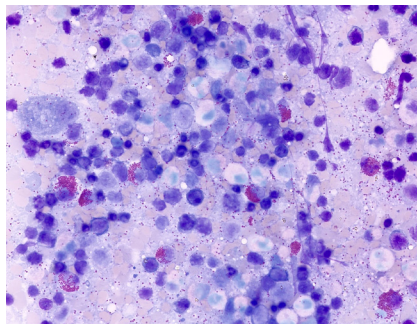
Peripheral nerve, cross section transmitted light brightfield, objective: Plan-Apochromat 40x/1.4 oil



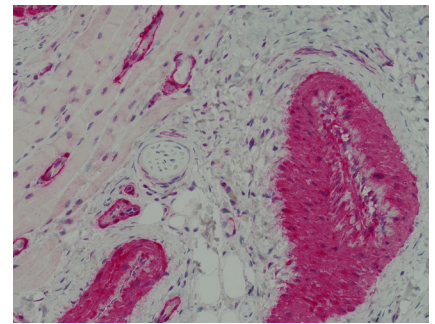
Leukemia in human blood, transmitted light brightfield, Giemsa staining, objective: Plan-Apochromat 40x/1.4 oil



Blood vessels, transmitted light brightfield, objective: Plan-Apochromat 40x/1.4



Red bone marrow, transmitted light brightfield, objective: Plan-Apochromat 40x/1.4



Skin, HE staining, transmitted light brightfield, objective: EC Plan-NEOFLUAR 20x, Sample courtesy of Dr. G. Metzler, University Hospital Tübingen, Germany

Increase Efficiency with Smart Microscopy

Once you find a region of interest, simply press the snap button right on the stand to acquire the image. It's as easy as that. You can control the microscope and its attached camera without even changing your grip. Your smart microscope system then automatically adjusts the parameters for you and documents your sample precisely as you see it through the eyepieces – detail-rich and in true color. The correct scaling is included automatically. With smart microscopy you'll always work accurately, more efficiently and stay focused on your sample.

Work Comfortably with Adaptable Ergonomics

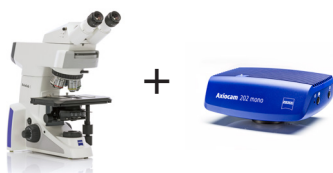
Axiolab 5 is strong on ergonomics and efficiency. You can access all main controls with just one hand, including the Snap button, stage drive, focus adjustment, and brightness control. ZEISS ergotubes and the height and torque adaptable stage handle allow you to work in a comfortable position, fitting your unique requirements. The dual specimen holder means fewer slide changes – for example, when you're examining IHC slides – so fatigue is reduced. The new light manager provides uniform brightness at all magnifications, eliminating manual lamp intensity adjustments when changing objectives. Overall, Axiolab 5 streamlines and simplifies manual steps, enabling you to work for longer periods with enhanced efficiency and greater comfort.

More Economic and Reliable

Axiolab 5 is on your side when it comes to cost- and energy-saving. Activate Eco-mode, for instance, and Axiolab 5 automatically goes to standby after being idle for 15 minutes. This saves energy and extends illumination life time. In transmitted light, the powerful white LED allows you to visualize your sample in natural colors. Even subtle color differences can be clearly seen. For fluorescence, the integrated LEDs in various wavelengths are easier and safer to use than e.g. classical mercury lamps. With LEDs, you avoid warm-up and cool-down times. Lamp replacement and lamp adjustment is a thing of the past. Furthermore, Axiolab 5 with smart microscopy does not necessarily require a computer and software. You can save lab space and costs.

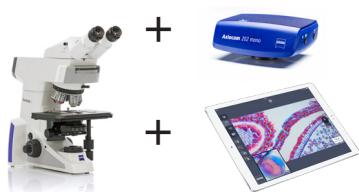
Your Flexible Choice of Components

Stand-alone for Basic Routine Imaging



ZEISS Axiolab 5 operates independently of a computer system.

ZEISS Labscope for Advanced Routine Imaging



Operating ZEISS Axiolab 5 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 Axiolab 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 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

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 Axiolab 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.

Routine imaging workflow



Smart functionality for digital documentation in brightfield and fluorescence for routine applications.

Efficiency gain: Eyes and hands stay on the microscope.



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