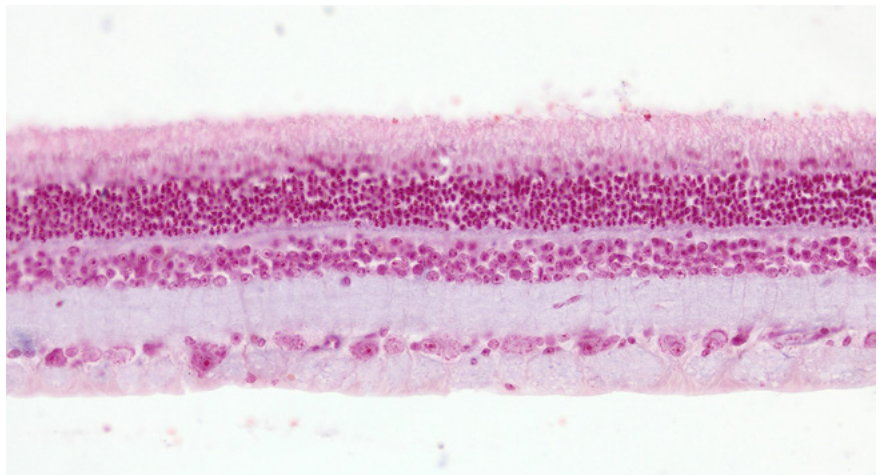**ZEISS Axiolab 5**

Your Smart Microscope for More Efficient
Routine Lab Work

ZEISS Axiolab 5
Your Smart Microscope for More Efficient Routine Lab Work

Axiolab 5 is made for the routine microscopy work that goes on every day in your lab. Its compact and ergonomic design saves space and makes for easy handling. Axiolab 5 is a real team player. Combine it 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
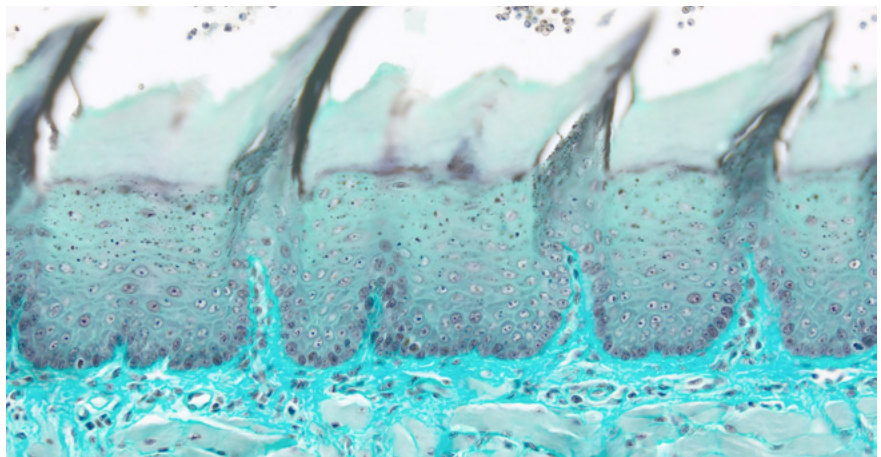

Rat retina, section, nuclear fast red, transmitted light brightfield, objective: Plan-Apochromat 20×/0.8
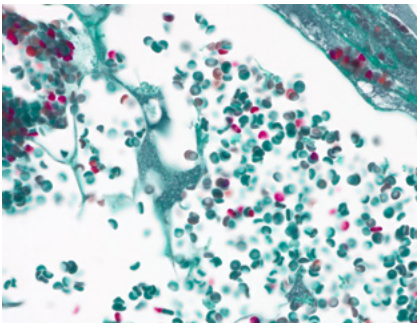

the eyepieces, with all the details and subtle color differences clearly visible. Plus, Axiolab 5 automatically adds the correct scaling information to your images. You get all of this in a stand-
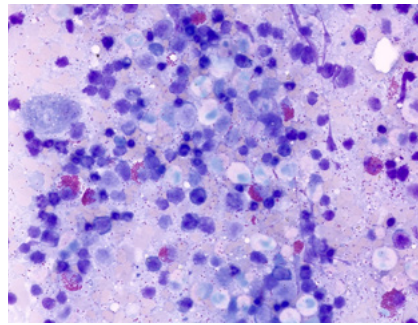
alone operation, without needing a PC or any additional software. Save time, money and valuable lab space with Axiolab 5. Digital documentation has never been easier.
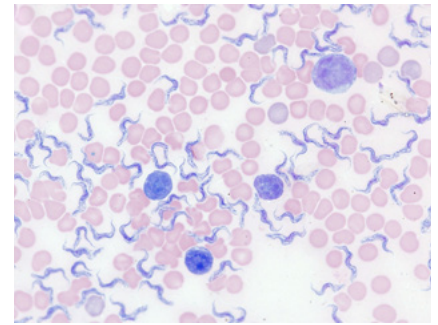

Rat tongue, acid green, transmitted light brightfield, objective: Plan-Apochromat 20×/0.8

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

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

Blood smear, Giemsa staining, transmitted light brightfield, objective: Plan-Apochromat 63×/1.4

Increase Efficiency in Your Routine Lab

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. Axiolab 5 offers you an easy handling, ergonomic user concept that's adapted to your lab routine. 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 always included automatically. You don't need to invest in another computer or software either. With smart microscopy you'll work more efficiently and always stay focused on your sample.

Clever Ergonomics for Relaxed Lab Work

Axiolab 5 is strong on ergonomy and efficiency. You can access all the main controls with just one hand, including the Snap button, stage drive, focus adjustment, and brightness control. Ergotubes and the height and torque adaptable stage handle allow you to work in a comfortable position, even during extended use. 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 minimizes and eases out manual steps, allowing you to work more efficiently and in 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. LEDs have a long lifetime as compared to conventional illumination systems. In transmitted light, the new 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. Save lab space and costs as Axiolab 5 with smart microscopy does not require an additional computer and software.

Your Flexible Choice of Components

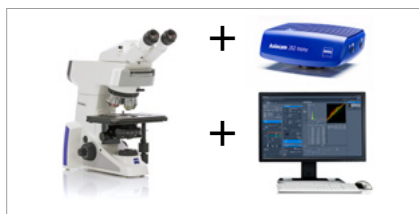## Stand-alone for Basic Routine Imaging

ZEISS Axiolab 5 operates independently of a computer system.

ZEISS Labscope for Advanced Routine Imaging

Operating ZEISS Axiolab 5 with ZEISS Labscope imaging app 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 Axiolab 5.

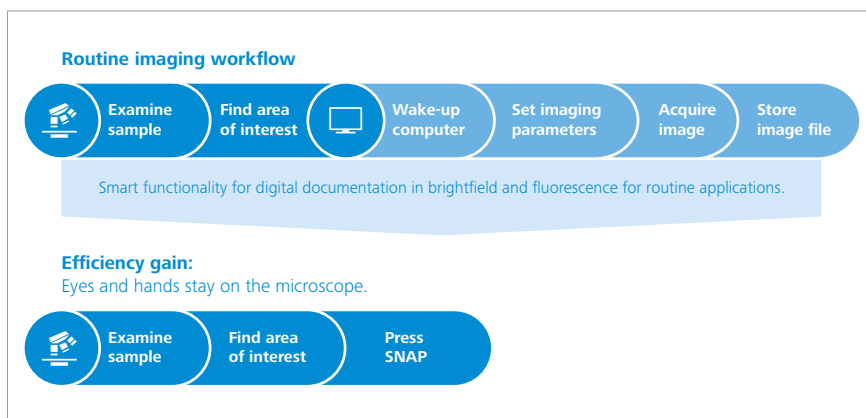## This is Smart Microscopy – Digital Documentation Made Easy

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

Examine sample → Find area of interest → Wake-up computer → Set imaging parameters → Acquire image → Store image file

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

Efficiency gain:
Eyes and hands stay on the microscope.

Examine sample → Find area of interest → Press SNAP

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