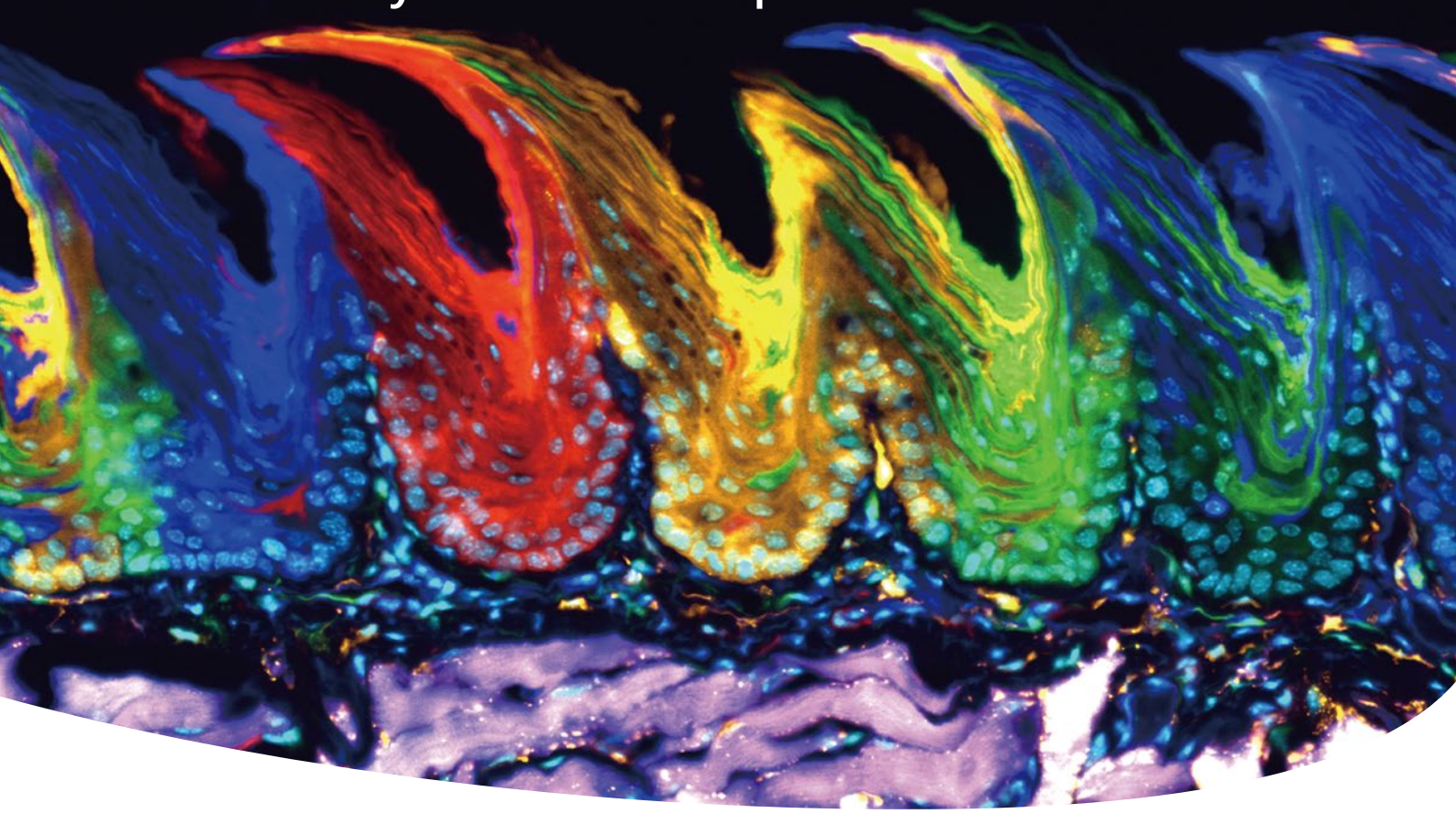
LIFE SCIENCE

# Move Your Imaging Forward

## BX63/BX53 System Microscope



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OLYMPUS
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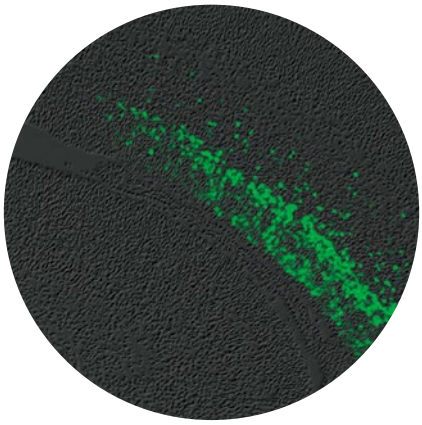
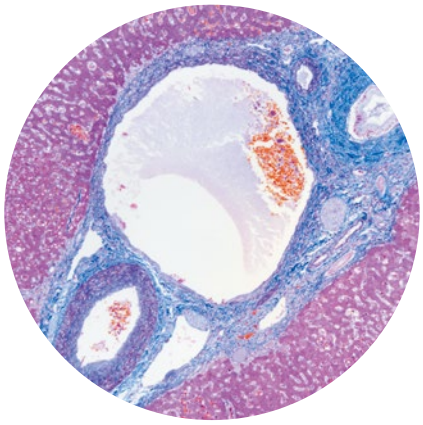
# Setting a New Standard in Accuracy

Choose the model you need with the motorization components you want. The combination of strong imaging capabilities with the flexibility to customize the system to your specific application makes BX3 series microscopes powerful research tools.

With high performance in fluorescence, brightfield, and darkfield imaging, BX3 series microscopes are easy to use and designed to meet the needs of researchers conducting routine through advanced imaging.

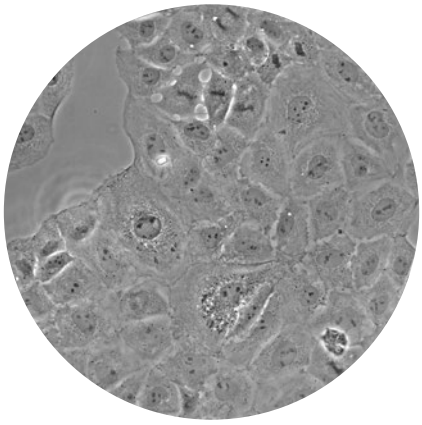


Brain Section of Mouse at Embryonic Day 15 (GFP)

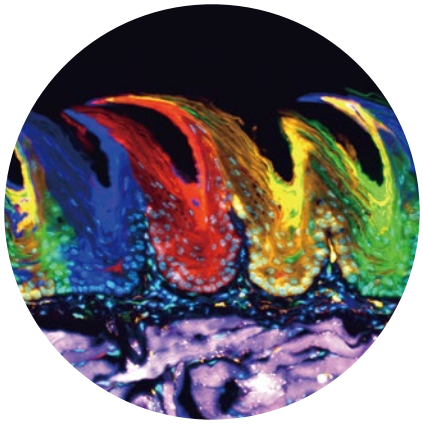


Liver (Azan Stain)

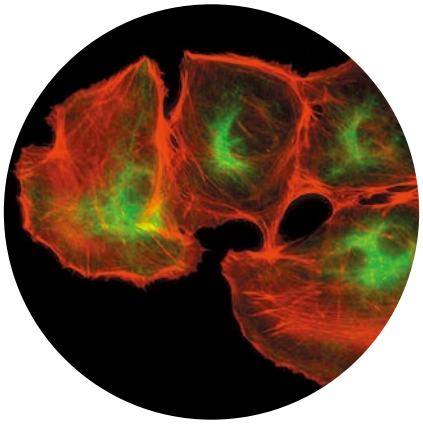
Distal Tip of a Drosophila Limb (DIC/GFP)



NRK-52E Cells (Phase Contrast)



Rainbow Mouse*



NRK-52E Cells (Alexa Fluor 488/Alexa Fluor 546)

*Each interpapillary pit of the tongue is occupied by single-color cells that originate from monoclonal stem cells.

# BX63

## Fully Motorized and Easy to Use

This fully motorized microscope combines flexibility with the ease of use researchers' demand. It is focused using the nosepiece, enabling the stage to be fixed for added stability. The smooth, silent motorized stage is driven by ultrasonic piezo technology for precise operation.

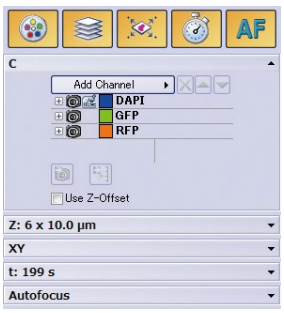
* cellSens software is not for clinical diagnosis use.

### Easy Microscope Control at Your Fingertips

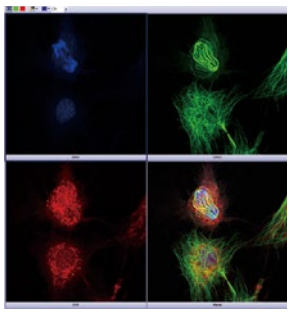
Using the touch panel controller, switch between different observation methods and magnifications with just a touch. Simplify the microscope's operation by using guidance mode to navigate only the pertinent parameters or use full operations mode to access the entire range of settings. Save multiple observation points and conditions in advance, so you can quickly recall previously used imaging conditions.


### Fast, Efficient Image Capture with cellSens Software

Observation condition data can be entered into the touch panel and XY controller and then automatically transferred to cellSens imaging software. The process manager enables multichannel image acquisition to be fully automated.




Process Manager Setting



Multi-color Images


BX63 intelligent microscope
DP75 digital camera
cellSens software

## Familiar Focusing and XY Stage Controls

The stage controller (U-MCZ) can be detached from the microscope frame and optimally positioned. Used in combination with the XY controller for our precision ultrasonic stage, it creates a user-friendly workflow, mimicking manual focusing stage operations. The controller's convenient switches enable you to select your observation method, objectives, and mirror unit as well as adjust the intensity or capture images.

# BX53

## Flexible and Fully Customizable

The versatile BX53 microscope can be configured to meet the needs of your research. It supports a wide range of fluorescence imaging applications and has advanced features to streamline your workflow. Motorized versions of most components are available, so you can configure the system the way you want it.

### Acquire Precise Images with X Line Objectives

X Line objectives offer improved chromatic aberration (400–1,000 nm) for accurate data during multicolor fluorescence observations. Improved image flatness enables you to acquire superior stitched images with less zooming and in a wide wavelength range starting at 400 nm. Their large numerical apertures help provide bright, high-resolution images.


### Improve Your Observation with High-Quality Optical Technology

Our UIS2 objectives enhance the quality of the images acquired using the BX53 microscope. Their low autofluorescence glass greatly reduces background noise. And, our novel lens polishing technique produces ultra-thin lenses, improving the microscope's optical performance.


BX53 system microscope
DP75 digital camera
cellSens software

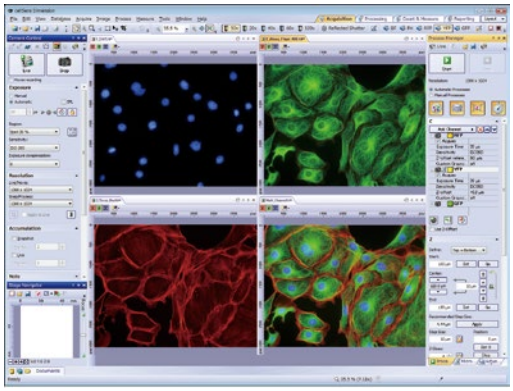
## Upgrade with Motorized Components

Customize your manual system by converting it to a semimotorized system. Choose from a range of motorized components, enabling you to switch between observation methods and magnifications with just a touch.


Semi-motorized system
Upgrade key components to motorized units

## Digital Imaging to Fulfill Diverse Needs

Tailor the system to your application, from advanced research work to stand-alone models for conferencing. Our full line of digital cameras and cellSens imaging software help ensure fluorescence imaging with a high signal-to-noise ratio.



cellSens Imaging Software

Images are courtesy of:

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  **Periodic inspections are required. Please visit our website for details.**



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M1697E-122023