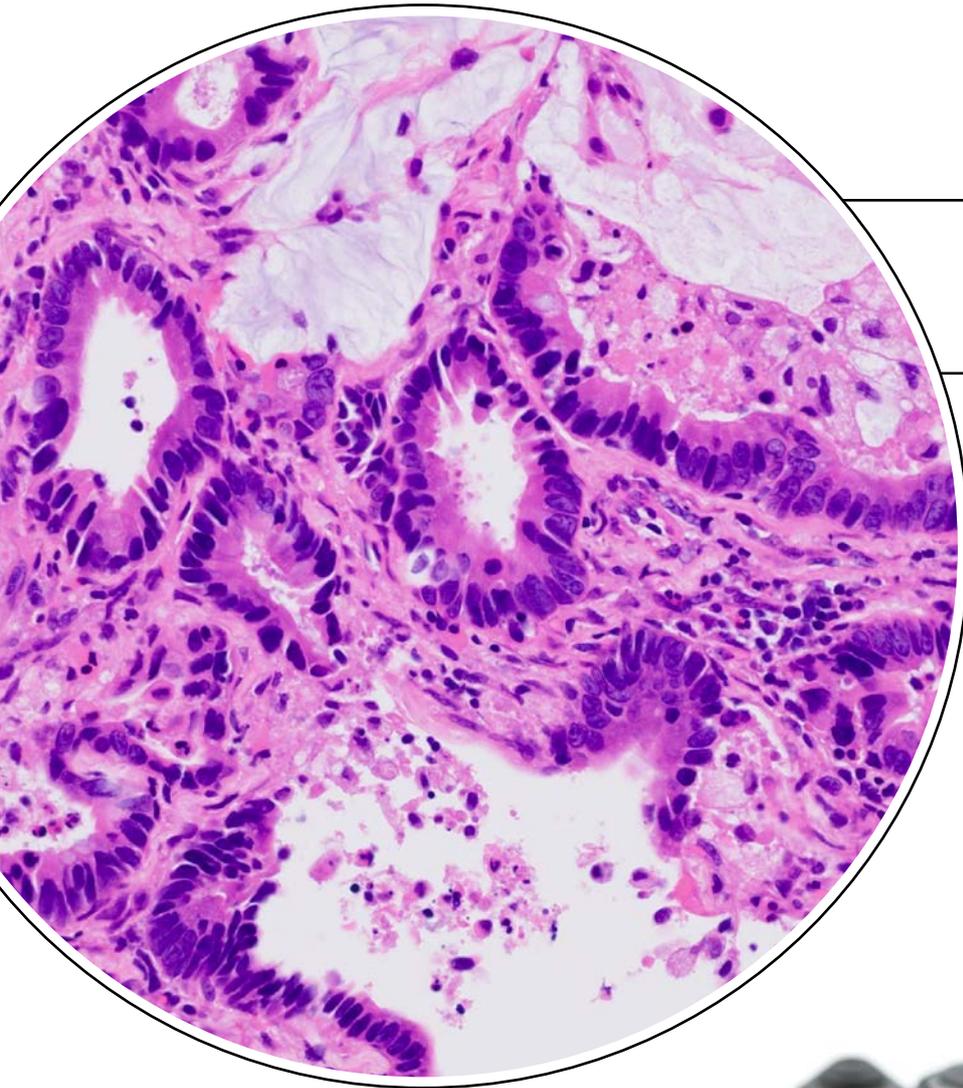


## X Line: Breaking Barriers



### Flatness

Expanded flatness with consistent sharpness, from the center to the edge

### Chromatic Aberration

Exceptional color accuracy during brightfield and multicolor fluorescence imaging

### Numerical Aperture

Improved brightness, resolution, and clear fluorescence images

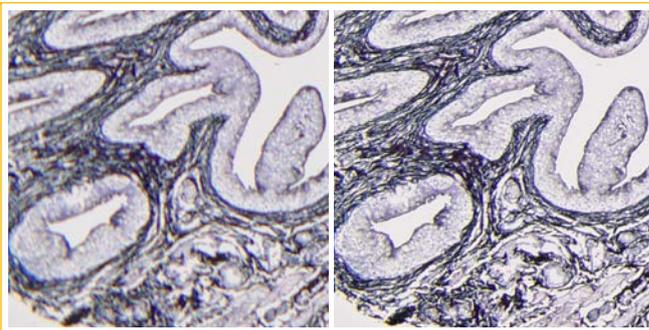
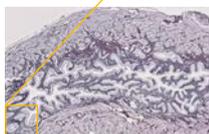
Olympus' revolutionary polishing technology delivers ultra-thin lenses at the core of every X Line high-performance objective.



# Precise Image Acquisition for Routine Sample Observation

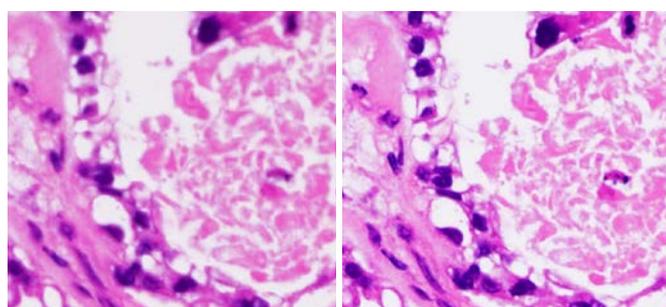
## Expanded Flatness

Conventional objectives have good image quality in the center, but the edges are out of focus. X Line objectives offer uniform image quality from the center all the way to the edge, even with a large field of view. If you're stitching images together, the improved flatness delivers much clearer wide-area images.



Conventional objectives

X Line



Conventional objectives

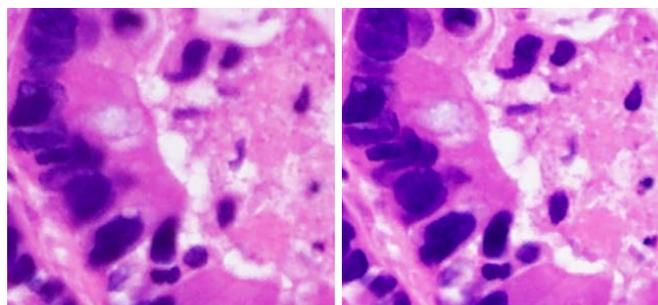
X Line

## Exceptional Color Accuracy

With chromatic aberration correction from 400 to 1000 nm, X Line objectives deliver better color accuracy. For laboratory applications, the objectives suppress the violet aberration, making white clear and pink more vivid for improved contrast.

## Excellent Image Quality

X Line objectives' high numerical aperture (NA) enables them to gather more light for brighter, higher resolution images.



Conventional objectives

X Line

## Selection Guide for X Line Objectives

Objectives	Numerical Apertures	Working Distance (mm)	Chromatic Correction Wavelength (nm)
UPLXAPO4X	0.16	13	400-1000
UPLXAPO10X	0.4	3.1	400-1000
UPLXAPO20X	0.8	0.6	400-1000
UPLXAPO40X	0.95	0.18	400-1000
UPLXAPO40XO	1.4	0.13	400-1000

Objectives	Numerical Apertures	Working Distance (mm)	Chromatic Correction Wavelength (nm)
UPLXAPO60XO	1.42	0.15	400-1000
UPLXAPO100XO	1.45	0.13	400-1000
UPLXAPO60XOPH	1.42	0.15	400-1000
UPLXAPO100XOPH	1.45	0.13	400-1000

- OLYMPUS CORPORATION is ISO14001 certified.
- OLYMPUS CORPORATION is ISO9001 certified.
- Illumination devices for microscope have suggested lifetimes. Periodic inspections are required. Please visit our website for details.

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