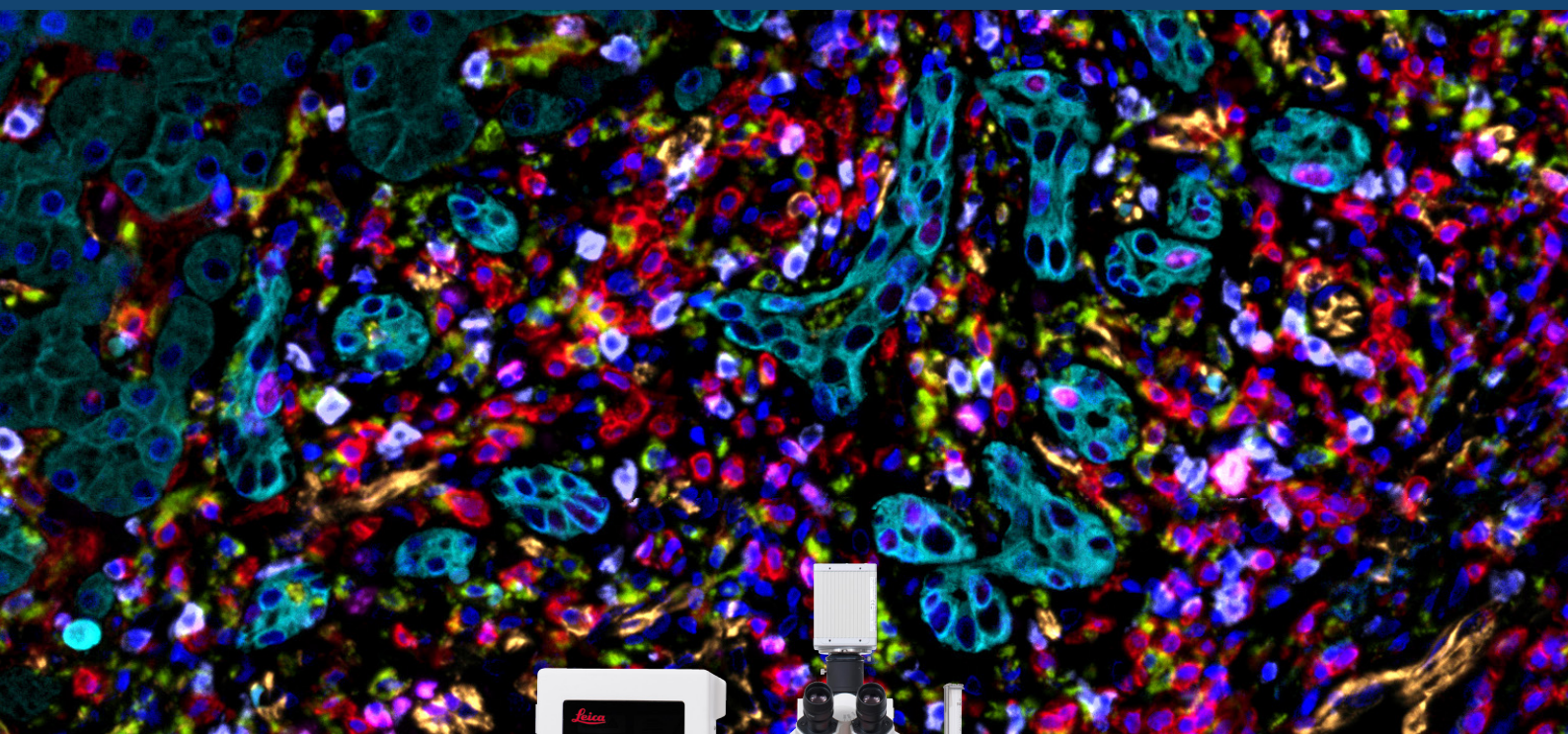


D I G I T A L P A T H O L O G Y

APERIO FL SCANNING SYSTEMS

FLEXIBLE, BRIGHTFIELD, FLUORESCENT AND FISH SCANNERS

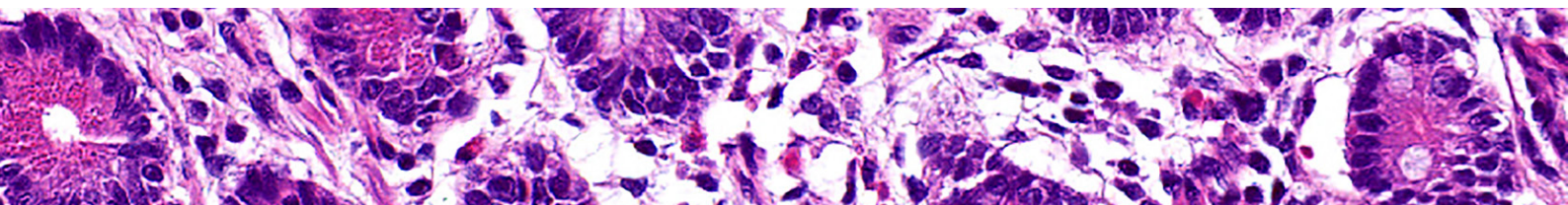


The Flexibility You Need - The Quality You Deserve

For Research Use Only. Not For Use In Diagnostic Procedures.

Accelerating Your Journey
Imagine The Possibilities

Leica
BIO SYSTEMS



The Flexibility You Need – The Quality You Deserve.

Complex research drives the breakthroughs that transform patient care. The Aperio FL scanning system is purpose-built to deliver robust, high-performance digital pathology solutions with **excellent image quality**, **extensive flexibility**, and **exceptional ease** of use to meet the demands of today's most advanced translational research environments.

As the global leader in digital pathology, with over **25 years of innovation**, more than **450 image capture technology patents**, and a distinction of quality using world-renown Leica objectives, we empower your lab to deliver results with confidence.

Aperio FL Scanning Systems



Aperio FL 10

Perfectly suited for smaller studies and focused investigations.



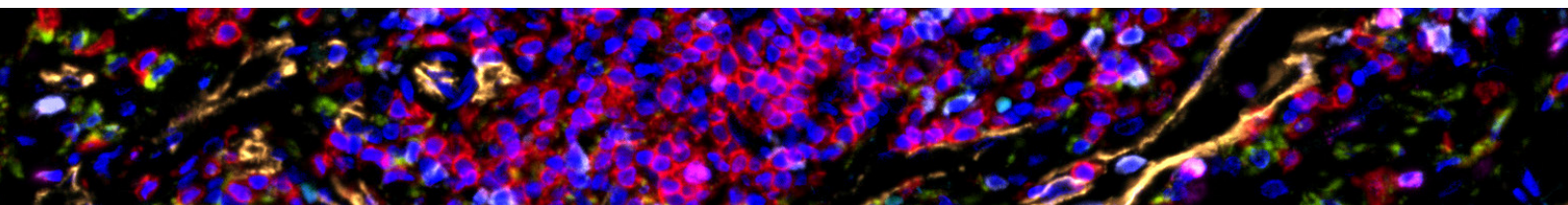
Aperio FL 120

Ideal for large-scale research programs and high-throughput environments.

Both systems feature:

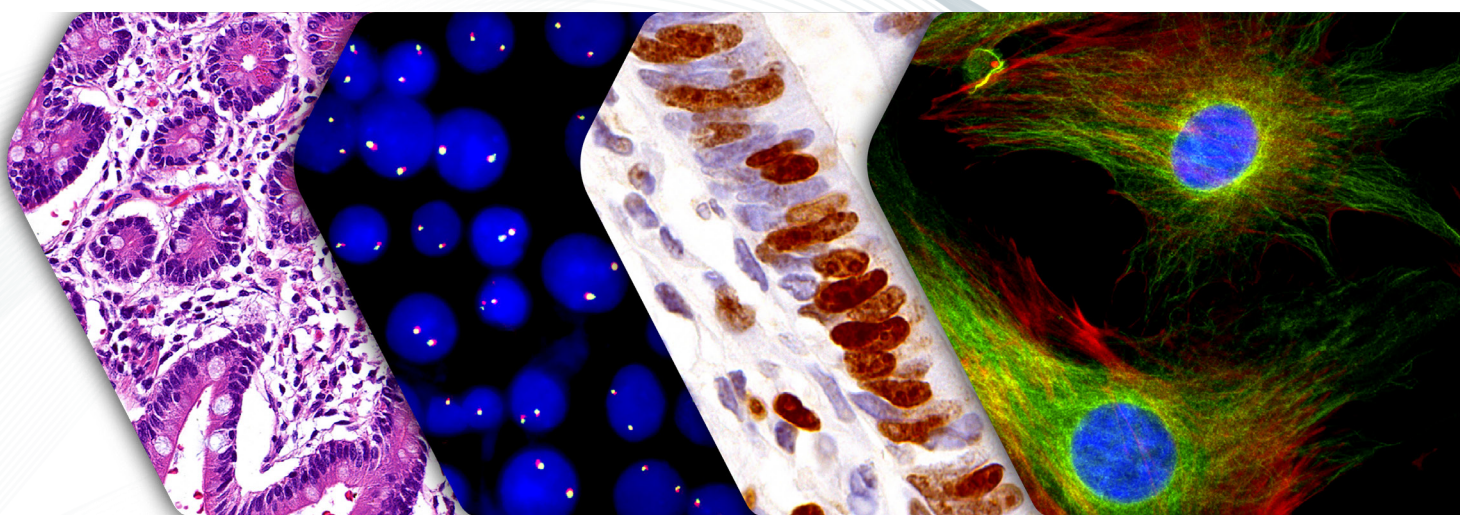
- **One-click operation** for rapid, reproducible slide digitization
- **Intuitive interface** designed for ease-of-use across diverse teams
- **Comprehensive functionality** to adapt to evolving research needs

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One System. Endless Possibilities.

Whether you're conducting biomarker discovery, elucidating disease mechanisms, or exploring the tumor microenvironment, the Aperio FL scanning system offers multi-modal whole slide imaging—including **brightfield, fluorescence, and FISH**—in a single, streamlined system. With high magnification oil scanning and superior Leica optics, every detail is captured with clarity and precision.



Brightfield Applications:

- Biomarkers
- TMA
- Oncology
- Toxicology
- Animal studies
- Infectious diseases
- Neurological
- Machine learning

Fluorescence Applications:

- Spatial proteomics
- Biomarkers
- Oncology
- Toxicology
- Animal studies
- Infectious diseases
- Neurological
- Circulatory

Optional Extras:

- Automatic Oiler for 40x and 63x oil immersion scanning
- Additional objectives: 20x, 40x, 63x (System includes 1.25x, 5x, and 10x)
- Dichroic filter selection
- Fluorescent calibration slides

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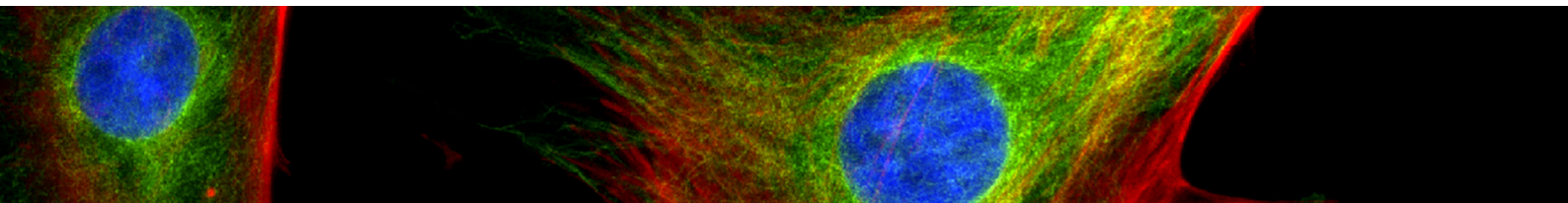
Effortless Scanning. Extraordinary Results.

With its intuitive design and intelligent automation, the **Aperio FL Scanning System** empowers users of all experience levels to produce high-quality digital slides in just minutes. Whether you're operating in a fast-paced research environment or managing dynamic projects with rotating personnel, the Aperio FL platform scales effortlessly—from 10 to 120 slides, brightfield to fluorescence. Add an oiler, change a filter, or adapt as your research evolves—all without compromising performance or flexibility.

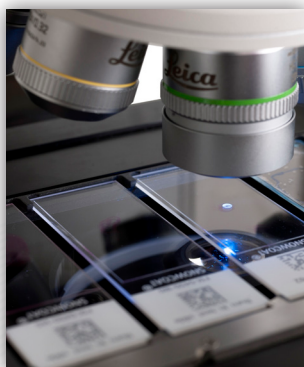


The Flexibility You Need - The Quality You Deserve

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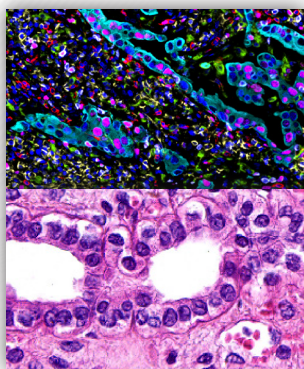


Where usability meets precision, and innovation meets flexibility.



Excellent Image Quality

- **150 Years of Leica Optical Excellence** - Built on a legacy of German engineering, delivering unmatched clarity and detail
- **Next-Gen Fluorescence Camera** - Reduced noise, enhanced detection of low-light fluorescent signals, and superior signal-to-background clarity
- **Reproducibility of Results** - Minimize variability and enable consistent, reproducible scanning across studies
- **Publication-Ready Images** - Maximize the visual impact of figures in scientific publications and presentations



Extensive Flexibility

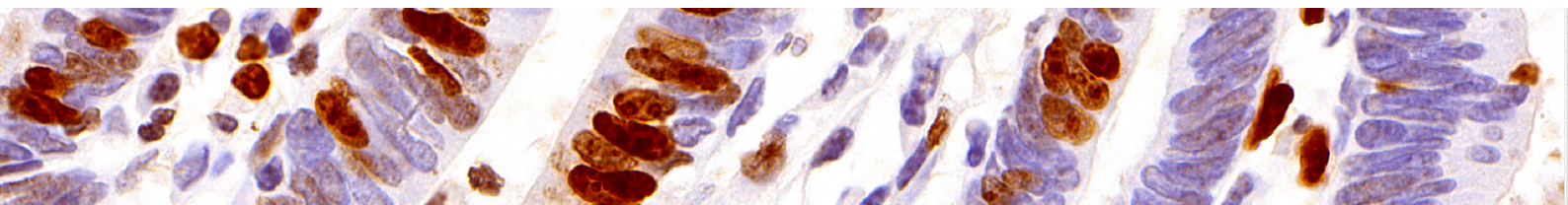
- **Highly Flexible Imaging Platform** - A broad wavelength range from 360–770 nm, 8-slot automatic filter wheel, and per-channel adjustable LED light intensity, delivers full control to optimize your 7-channel fluorescent multiplex imaging
- **Fine-tune imaging parameters** - To meet the specific needs of your Bright-field, Fluorescence, or FISH research
- **Dynamically adjust magnification ranges** - For optimal resolution and field of view



Exceptional Ease of Use

- **Quick Onboarding** - Even novices can begin scanning their own slides within 10 minutes of introduction
- **Intuitive Interface** - Users to review high-quality fluorescence images almost immediately
- **Instant Data Portability** - Export scanned images and analysis results right after use
- **Simplicity in Operation** - Focus on discovery—not device complexity

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Today's translational research is the cornerstone of future clinical advancements. Leica Biosystems provides an optimized solutions portfolio for tissue-based research to deliver the reproducibility and flexibility your research demands. Designed with **interoperability** in mind, these systems integrate effortlessly. This mirroring of flexibility ensures a streamlined workflow from staining to scanning through to automated image analysis and AI, enhancing both efficiency and reproducibility in translational research.



STAIN

The **BOND RX** high-throughput research stainer delivers speed and flexibility for IHC, ISH, and multiplexing staining with either chromogenic or fluorescence markers.

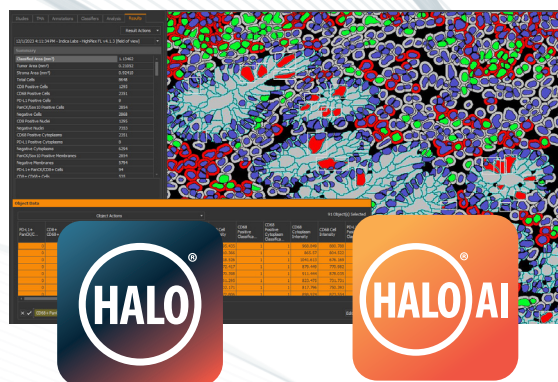
SCAN

Capture high-quality, high-resolution whole slide images of your research slides. Choose the **Aperio FL 120** scanner for the flexibility of brightfield, fluorescence, and FISH staining in a single platform, or the **Aperio GT 450** scanner for large volume brightfield scanning.

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QUALITY CONSISTENCY REPRODUCIBILITY

	Label	Thumbnail	Slide Attributes	Tasks
			Barcode	Scan QC Annotate Final Review
☐	 ST8355 Group 0 - 0 mg/kg/FOX2		ST8355Group 0 - 0 mg/kg/FOX2	Completed
☐	 ST8356 Group 0 - 40 mg/kg/FOX2		ST8356Group 0 - 40 mg/kg/FOX2	Completed
☐	 ST8357 Group 0 - 40 mg/kg/FOX2		ST8357Group 0 - 40 mg/kg/FOX2	Completed
☐	 ST8358 Group 0 - 0 mg/kg/FOX2		ST8358Group 0 - 0 mg/kg/FOX2	Completed
☐	 ST8359 Group 1 - 20 mg/kg/FOX2		ST8359Group 1 - 20 mg/kg/FOX2	Completed



MANAGE

HALO Link software provides an optimized platform to integrate whole slide images, study data, and analysis results for secure sharing across local and remote research teams.

ANALYZE

Extract insights from your slides with advanced analysis tools. Intuitive design is coupled with powerful analytics in **HALO** and **HALO AI** software solutions for quantitative tissue analysis.

Aperio FL 10



Aperio FL 120



Technical Specifications

Capacity	10 or 120 slide capacity; Automatic slide loading by tray, 5 slides per tray
System Weight*	Aperio FL120: 107.6 kg (237.2lb), Aperio FL10: 99.1 kg (218.5 lb)
Component Dimensions*	
Workstation	17.7 × 45.3 × 41.8 cm (7.0 × 17.8 × 16.5 in), 17.1 kg (37.7 lb)
Monitor	53 × 18 × 43 - 53 cm (20.9 × 7.1 × 16.9 - 20.9 in), 5.1 kg (11.24 lb)
FL Base Unit	62 × 45 × 11 cm (24.4 × 17.7 × 4.4 in), 18.5 kg (40.8 lb)
FL 120 Loader	24 × 31 × 58 cm (9.45 × 12.2 × 22.8 in), 15.5 kg (34.2 lb)
FL 10 Loader	18 × 10 × 27 cm (7.1 × 3.9 × 10.6 in), 7 kg (15.4 lb)
DM6B Microscope	31 × 40 × 72 cm (12.2 × 15.8 × 28.4 in), 18.1 kg (39.9 lb)
Stage	44 × 29 × 10 cm (17.3 × 11.4 × 3.9 in), 6.5 kg (14.3 lb)
FL Controller box	41 × 51 × 34 cm (16.1 × 20.1 × 13.4 in), 26.8 kg (59.1 lb)

**Width/Depth/Height Dimensions and weight as unpacked components are subject to change based on hardware model revision*

Image resolution:

BF 2048 x 2048, 5.5 × 5.5 µm pixel size FL 2048 x 2048, 6.5 x 6.5 µm pixel size sCmos with 82% (max) Quantum Efficiency

Leica DM 6B Microscope:

8-slot automatic FL filter wheel 7-slot automatic objective nosepiece, supported objective to maximum 63x and 40x/63x Oil Lens X-Cite LED Extra long lifetime FL light source with liquid light guide.

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Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit LeicaBiosystems.com for more information.