



PHILIPS

Computational
Pathology

Xplore

Speed up research & biomarker discovery

Xplore¹, a web-based system, helps connect researchers around the globe to drive discovery of new drugs and biomarkers. A powerful and highly flexible solution, Xplore manages large volumes of genomic, molecular and analytical research data associated with pathology images.

Create, score interrogate, and share individual and collaborative studies with a single click across a range of multi-modality data including whole slide images and tissue microarrays (TMA's) .

Xplore provides native support for both brightfield & fluorescent images, allowing you to conduct studies regardless of type of image formats.

¹ Xplore is not intended for diagnostic, monitoring or therapeutic purposes or in any other manner for regular medical practice.

Key advantages

- Manage multi-modality data alongside whole slide images and TMA's from a central hub
- Flexible user-configurable study hierarchies that allow you to organize different types and range of research studies in a user-centric manner.
- Connect with researchers across institutions with ease for more efficient collaboration, peer review and interaction.
- An open platform that interoperates with most commonly used image formats.

Xplore sits at the centre of a research pathology workflow

- Integrate research data from multiple sources
- Barcode reading to identify slides & samples
- Precision Search & Charting tools to identify trends and spot outliers



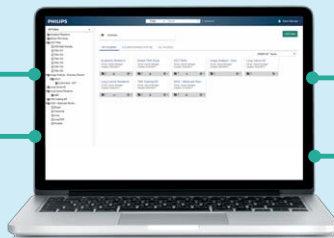
Manage multi-modality data from a central hub



Organize different types of research studies in a flexible, user-centric manner

- TMA module for biomarker scoring and review
- Whole Slide Scoring module for biomarker discovery, molecular review & toxicology studies

Xplore



Connect with researchers across institutions with ease and more efficient peer review and interaction



- Share individual and collaborative studies with a single click across a range of web-based devices
- API to connect to 3rd party systems

Open platform that supports all major image formats, including images from the Ultra Fast Scanner²



- Interoperable with major 3rd party image analysis vendors
- View virtual slides in a single web-based viewer

Xplore is an image and data management platform, designed to support your drug & biomarker discovery program.

Digitizing slides without providing tools to manage the images and associated data will not automatically lead to efficiencies in pathological research studies. Xplore sits at the center of a research pathology workflow, connecting multiple scanners through a single digital image viewer that supports both brightfield and fluorescent images, in addition to z-stacking.

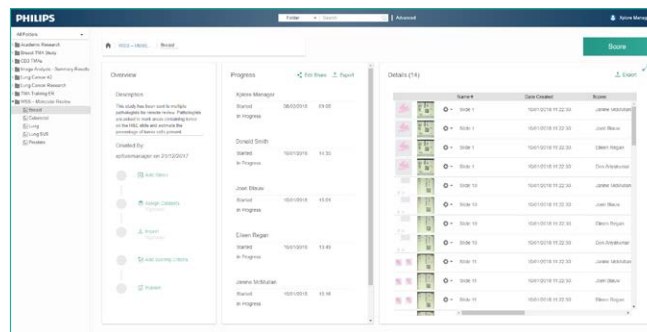
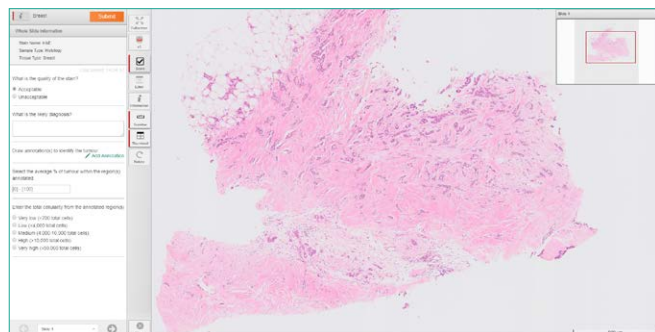
For researchers who are using image analysis to help quantify biomarkers, the Definiens TissueStudio and Indica Halo plugins will help get more information from slides into your research study faster; slides and associated data, with annotated regions of interest (training areas), can be easily opened in 3rd party image analytics platform.

² The Ultra Fast Scanner (UFS) is part of the Philips IntelliSite Pathology Solution.

Manage whole slide images using Xplore's flexible study structures

Xplore's Whole Slide Scoring module is designed to speed up research studies that require manual scoring of whole slide images by multiple experts. Xplore allows you to manually score whole slide images online, helping you evaluate new tissue biomarkers across slides quickly and easily, regardless of location.

With its intuitive digital slide viewer, you can view whole slide tissue information and scoring criteria on a single screen, with tools to annotate areas of interest and sign out your study with ease.

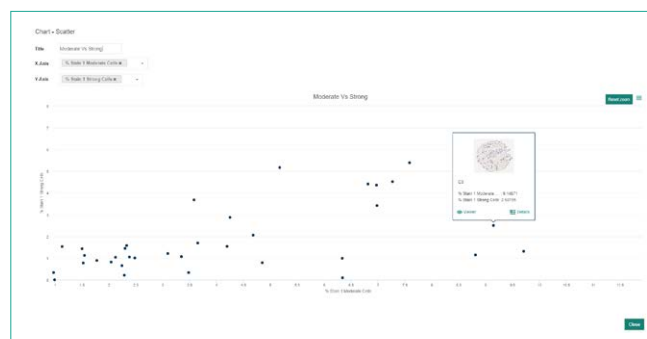
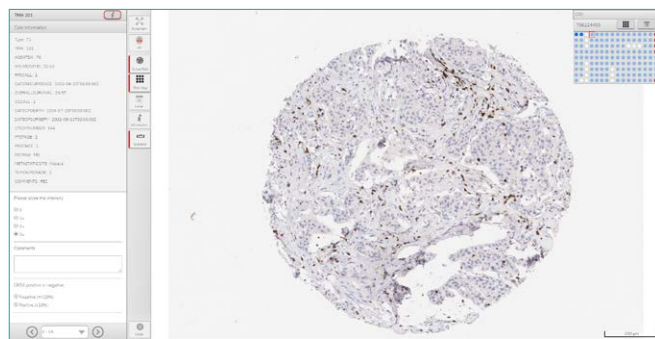


A simple & intuitive interface for remote biomarker scoring on Tissue Microarrays

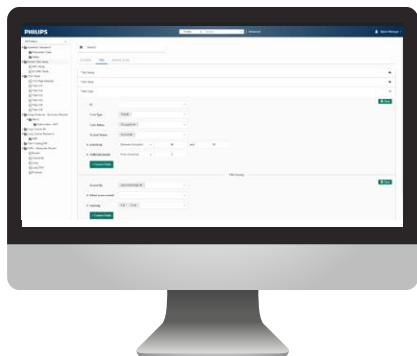
Xplore's TMA module supports scoring of both whole slide scans or separated cores. Step from one core to another, pause and restart scoring, with Xplore always keeping track of where you are on the TMA.

Xplore's Advanced Search and Charting tools allow you to spot trends and outliers with your study results.

Create virtual TMA's, allowing multiple users to score selected cores across multiple recipient blocks in a single study



A truly open platform that **provides flexibility** to work across a wide variety of data and image formats



Xplore specifications

Xplore is:

- Entirely web based, accessible via any web browser with no downloads or plugins required
 - Accessible across a wide range of platforms and devices including Mac and PC
 - Deployed either onsite within your IT network or hosted online within the Philips Managed Services
 - Interoperable with most commonly used image formats including images from the Ultra Fast Scanner (UFS)².
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Connect Xplore with Ultra Fast Scanner²

Workflow driven

Ease of use

- With a 2-step “Load & Scan” operation; scanning starts automatically, saving time, technician training simplified

Continuous processing

- Add/remove slides without interrupting the scanning process

High performance

High throughput

- A storage capacity of 300 slides
- 60 seconds per slide at 40x equivalent (15 x 15 mm scan area)
- High image quality through continuous autofocus

Ease of use

- Auto tissue detection; eliminating extra steps, saving valuable time
 - Automated “walk away” scanning
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Contact Us
www.philips.com/xplore
or email at digitalpathology@philips.com

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