



➤ [PATHOLYTIX.COM/RESEARCH-SERVICES](https://patholytix.com/research-services)

**EXPERT PATHOLOGY
PARTNER FOR
TRANSLATIONAL &
CLINICAL RESEARCH**



Where Expert Pathology Meets Data-driven Insight

Patholytix Research Services (PatholytixRS) connects a global network of expert pathologists with advanced digital and AI-enabled pathology to accelerate translational and clinical research.

We work as **an embedded pathology partner** within biopharma and translational teams, delivering bespoke services from study design through to biomarker validation and pathological analysis.

By combining expert insight with digital infrastructure, we deliver reproducible, regulatory-grade data that supports confident, evidence-based decision-making across the drug development pipeline.

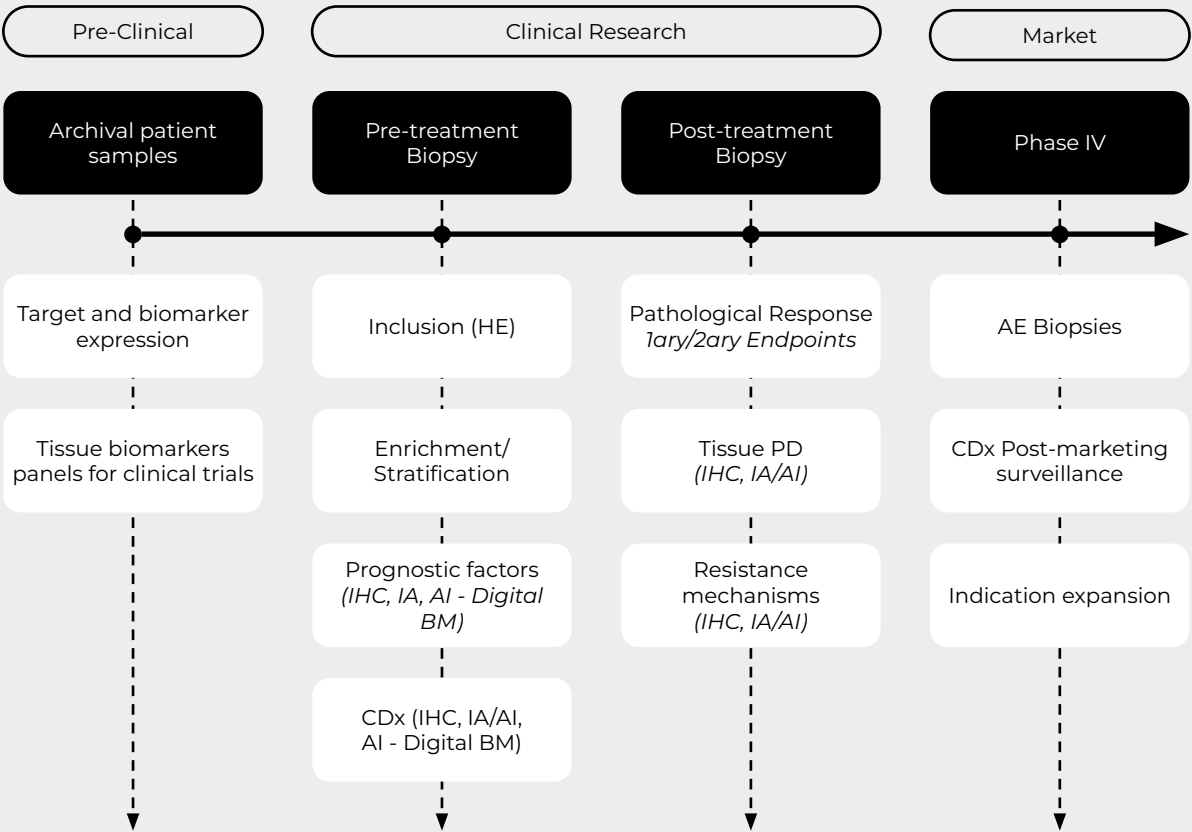
[PATHOLYTIX.COM/RESEARCH-SERVICES](https://patholytix.com/research-services)



The Current Pathology Landscape

Accurate tissue interpretation is essential to research, yet pathology remains a leading source of variability. Fragmented expertise, inconsistent methods, and uneven digital adoption continue to slow studies and undermine data integrity.

Workflows



The Hidden Cost of Pathology Failures In Trials

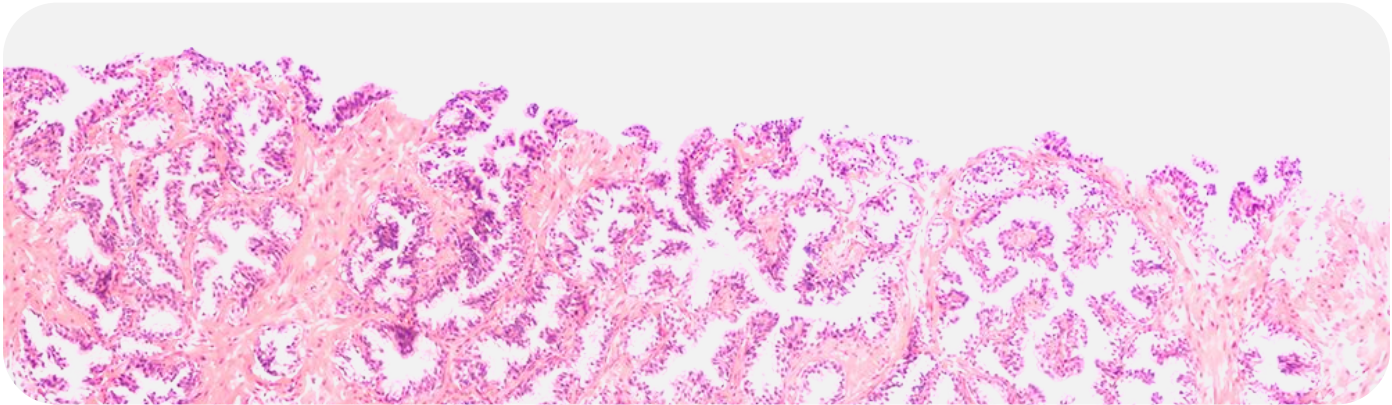
- Research biopsies **extend screening timelines from 14 to 30 days** more than doubling the time patients wait for potentially life-saving treatment.
- While **75%** of patients say they would consider research biopsies, **only 9.9% actually undergo optional biopsies** when enrolled. This is often due to poorly defined pathology protocols and site guidance.
- Sample **adequacy rates vary from 69.9% to 89.5%** across major cancer centers. That 20-point variation isn't acceptable in manufacturing, data management, or regulatory compliance. Should it be acceptable in pathology?



The PatholytixRS Solution

Pathology Expertise | Digital Precision | Research Partnership

Patholytix Research Services unites global pathology expertise, digital infrastructure, and AI-driven analytics to transform how tissue is interpreted in research. We operate as an embedded extension of your scientific team, aligning expert insight with programme objectives to deliver reproducible, regulator-ready data.



World-Class Pathology Network

200 + subspecialist pathologists covering multiple disease types. Centralised oversight ensures precision and continuity.

Quantitative Pathology & Lab Services

Full vendor management of CROs and central labs, combined with quantitative pathology tools that ensure consistency, scalability, and data integrity across studies.

AI Foundation Models

Proprietary and custom-built AI models developed in collaboration with expert pathologists to support biomarker discovery, assay validation, and clinical endpoint analysis.

Every program presents unique scientific and operational demands. PatholytixRS designs bespoke pathology solutions tailored to your study objectives, from targeted biomarker validation to full-scale multi-site trials.

H&E | IHC | ISH | FISH | mIF | PLA

< 5 Day Turnaround Time



Deploying a Combination of Tools Enabling Robust Service Delivery

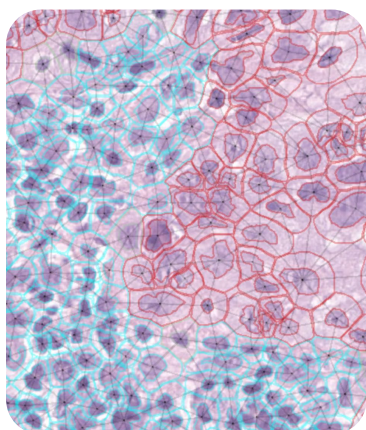
PatholytixRS has supported a wide range of translational and clinical programs from early biomarker discovery to late-phase trials, ensuring that pathology decisions are consistent, defensible, and regulator-ready.

Each engagement is **structured around the sponsor's scientific priorities, trial design, and operational realities**, allowing us to deliver precisely what each study needs rather than a predefined service model.

PatholytixRS selects aspects from the World-Class Pathology Network, Quantitative Pathology & Lab Services or AI Foundation Models to deliver robust outputs for each program.



Routinely Utilised PatholytixRS Solutions



01 Annotation Services

Delivery of cell/compartment annotations by tissue/disease expert pathologists in whichever output format is required.

02 Image Analysis

In H&E, IHC and mIF. e.g. Object detection and quantification through to phenotyping.

03 Custom AI Development

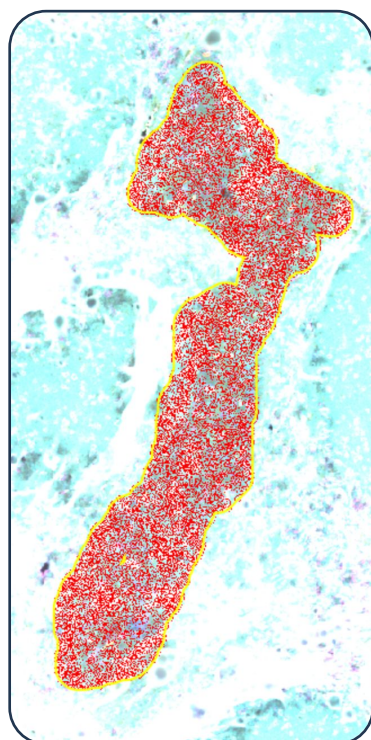
e.g. tissue segmentation, cell specific biomarker analysis or spatial analysis.

04 Qualitative Tissue and/or Staining Assessment

Pathological interpretation with manual scoring methods e.g. H-Scoring, or EQA assessment of staining methods.

05 Scanning Services

Digitisation of glass slides to whole slide images (WSIs) via our global scanning centres.



Delivering Measurable Impact in Clinical Trials

Being therapeutic area and indication agnostic, PatholytixRS has supported a variety of clinical programs. Typical programs have required embedded pathology leadership to provide guidance on protocol inclusions, site facing standard procedures and QC oversight of CROs and Central Labs. PatholytixRS manages this process seamlessly, removing the burden from the sponsor.

Supporting a Phase IIb Autoimmune Disease Trial

The Challenge

Expert Review Missing. Timelines at Risk

- CRO lacked the specialist pathology expertise needed for trial delivery
- No scoring methodology or adjudication framework in place
- Sponsor faced potential delays and regulatory pushback on protocol

Objective

Design and deliver validated pathology review to de-risk trial execution

Our Response

PatholytixRS Solution



Protocol design input for scoring methodology and endpoint definition.



Independent pathology panel of three subspecialists with adjudication support.



Fully blinded review process including slide logistics and consensus meetings.



Sponsor-CRO coordination managed via a single point of contact at Patholytix.

The Impact

Confidence, Clarity, Compliance

- Trial timelines protected through pathology alignment
- CRO capabilities expanded and optimised.
- Audit-ready process established
- Sponsor confidence reinforced by expert oversight

At-a-Glance

Client	Mid-Sized Biotech Sponsor
Study Type	Phase IIb Global Clinical Trial
Indications	Autoimmune Disease
Turnaround	As per trial timelines
Duration	Multi-month pre-trial & trial



How to Work With Us: Pathology in Partnership

Flexible Engagement Models



No minimum commitments



Transparent, per-slide pricing



Subscription & credit-based options

Whichever model you choose, our goal is simple: make it frictionless for you to access the pathology expertise you need, when you need it.



Collaborative Project Process

Once we align on your objectives, we tailor our support around your study design, timelines, and endpoints.

Our typical engagement flow:



Initial Consultation

Define study goals, scope, and timelines



Proposal & Agreement

Transparent quote and commercial model selection



Kickoff

Dedicated project lead ensures smooth onboarding



Execution & Delivery

Continuous updates with data delivery and reports delivered

You'll have a direct line to a dedicated Project Manager throughout – **no intermediaries, no delays.**



Contact Patholytix
today for your free trial.

+1 708 573 0674 / sales@patholytix.com

www.patholytix.com



