

PatroLab™: Variability, Controlled

From process development to GMP manufacturing, biologics face wide variability. Fragmented data and reactive interventions make consistent quality difficult to achieve, and decisions difficult to assess.

The PatroLab digital platform narrows variability, compressing uncertainty into predictable commercial performance.

Process
Development >

Clinical
Manufacturing >

Process
Performance
Qualification >

Commercial
Production >



Increase Visibility

Offline sampling is sporadic and delayed

Detect process drift and Out of Trend events earlier with real-time product quality attribute monitoring and up to 1,000× more data per batch.



Reduce Risk

Troubleshooting is reactive

Predict metabolic shifts and prevent deviations with data-driven analysis and automated process control.



Improve Reliability

Fragmented systems create risk and delays

Build commercial robustness with a unified, GMP-ready digital architecture.



Scale Consistently

Scale-up relies on limited in-process visualization

Simulate process trajectories from 3 to 16,000 L to ensure consistent performance at scale.

TRADITIONAL
MANUFACTURING

MANUFACTURING
WITH PATROLAB



Turning variability into predictable commercial performance.

WuXi Biologics applies proven strategies to connect process development with commercialization. Powered by PatroLab, our teams simplify control and accelerate manufacturing.

See how integrated technologies strengthen commercial control.

Explore PatroLab >

WuXi Biologics
Global Solution Provider

The world's leading global single-source platform from concept to commercialization

WuXi Biologics is a leading contract research, development, and manufacturing organization (CRDMO) that provides end-to-end capabilities to healthcare organizations worldwide. With operations in the United States, Ireland, Germany, Singapore, and China, we enable our partners to effectively and efficiently bring biologics and vaccines to patients worldwide through our comprehensive and high-quality drug development model.



Have questions?

Contact us

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