

ACCELERATE PROCESS DEVELOPMENT AND IMPROVE MANUFACTURABILITY

Modern bioprocessing depends on keeping process data connected from early development through manufacturing. Yet, many organizations still struggle with fragmented systems, inconsistent workflows, and incomplete experimental context, making tech transfer difficult and limiting the value of process analytics and AI.

BIOVIA's scientifically robust solutions connect bioprocess development and manufacturing analytics on the **3DEXPERIENCE®** platform, resulting in **faster process development cycles, simpler tech transfer, and optimized manufacturing processes with GxP-compliant and analytics-ready data.**

WHAT BIOVIA DELIVERS



Unified, AI-Ready Data Foundation for Bioprocessing

- Unify data across ELN, LIMS, LES, and inventory management
- Capture full experimental context, parameters, materials, and results
- Make every result FAIR, traceable, and AI/ML-ready
- Standardize bioprocess, execution, sampling, and analysis
- Create structured data to support process modeling and optimization



Seamless Tech Transfer from Development to Manufacturing

- Move from siloed systems to harmonized digital workflows
- Standardize recipes, procedures, and documentation to support manufacturing and regulatory compliance
- Preserve recipes, parameters, materials, and procedural detail without rework or loss of context



Data-Driven Manufacturing Intelligence

- Integrate real-time and historical data across batches, sites, and equipment
- Detect deviations and variability with multivariate analytics in real time
- Build contextualized process models for virtual twins and predictive modeling



End-to-End Digital Continuity

- Deploy secure, cloud-native, GxP-compliant lab informatics solutions
- Scale workflows and data to support evolving bioprocessing needs
- Synchronize real-time data for contextualized manufacturing insight
- Share data and collaborate seamlessly across bioprocess development and manufacturing

WHO IS BIOVIA BIOPROCESSING FOR?

BIOVIA's integrated solutions support organizations working across:

- Cell line development
- Upstream and downstream process development
- Formulation and analytical development
- MSAT and manufacturing operations
- Quality and regulatory
- Data science, process modeling, and virtual twins

“With BIOVIA, we transitioned from custom solutions to a configurable platform, enabling seamless integration and execution of lab workflows”

Director of Digital Systems and Integration,
Large Global Pharmaceutical Company

WHY BIOVIA?

New modalities and intensified processes are driving unprecedented data complexity. Legacy lab systems can't keep up.

BIOVIA's connected solutions address these challenges with:

- A single source of truth from development to manufacturing
- Less manual work with automated workflows and instrument integration
- Structured, searchable, AI-ready data
- Built-in GxP compliance across development and manufacturing
- Preserved IP and context through unified materials management
- Simplified tech transfer from the lab to product
- Foundation for AI, automation, and virtual twin development

READY TO TRANSFORM YOUR BIOPROCESS DEVELOPMENT AND MANUFACTURING?

CONTACT US

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' 3DEXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: www.3ds.com

Virtual Worlds
for Real Life

