



BioPAT[®] MFCS/win SCADA Software

Reliable Data Acquisition,
Monitoring and Control

Simplifying Progress

SARTORIUS



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BIOSTAT STR®

BIOSTAT STR®

SUBS-A1
BACK-1
AFOMAN-1

BioPAT® MFCS/win

BioPAT® MFCS/win is the world standard for supervisory bioprocess control and data acquisition. It is a feature-rich, GAMP category 4 software package – based on over 30 years of experience and more than 5,000 installations worldwide. This software is capable of supporting you in the most demanding research and production environments.

Your Benefits:

Reduced training efforts and improved data consistency

Unique customization level and flexible investment costs

Reliable and robust system performance

Technologically and economically optimized solutions

Full transparency and accessibility for advanced process control and understanding

Product Features:

Scalable software for almost all bioprocess applications

Fully user configurable and upgradeable with specific modules

Proven record over 30 years of software development

Installation, configuration, validation & engineering services

Central platform for realtime data and historians of process, analytical and sampling data

Applications

- Reliable data acquisition, monitoring and control
- For upstream and downstream unit operations, e.g., Biostat STR® bioreactors, and Sartoflow® and Flexact® systems
- Across all scales from early process development to commercial manufacturing
- Incorporating Sartorius and 3rd party systems



Your Choice for Customized Features



Chemometrics Toolbox

The BioPAT® MFCS/win DoE module transfers your design into a specific recipe and thus allows a reliable and seamless integration of DoE procedures into existing control strategies. The BioPAT® MFCS/win MVDA module automatically pre-formats and transfers historical data sets of multiple batch processes to BioPAT® SIMCA which leads to a quick and reliable interpretation of batch results. The BioPAT® MFCS/win SIM API ensures real-time and historical data transfer to BioPAT® SIMCA-online for early fault detection and isolation.



Connectivity

BioPAT® MFCS/win provides flexible device connectivity, true interoperability with major third-party products and control features BioPAT® MFCS/win fully supports the OPC technology: OPC UA and Classic client for process variables and Alarm & Events. In addition OPC classic server for communication with super-ordinate systems. "Plug & play" communication to analytical instruments, realtime data input for MES systems or alarm & event notification on multimedia devices simplify your automation tasks.



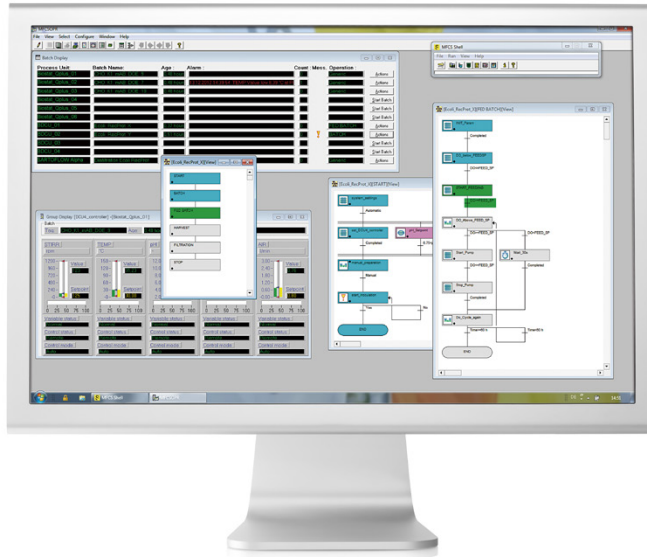
Automation

BioPAT® MFCS/win allows you to mirror each step of your process by selection of customized recipes complying to the ANSI/ISA-88.01 standard for computerized batch control. Semi or fully-automatic operations, state or time-dependent transitions enable organized and structured batch processing as well as flexible manufacturing.



Training

Sartorius provides different levels of trainings which are designed to ensure that each course participant has a proper understanding of the theoretical subject matter and acquires the necessary hands-on, practical skills. The ultimate aim and purpose is to enable, technicians and specialists working in R&D or production to perform their work safely and efficiently.



Service & Support

Our team of experienced service engineers has been involved in a number of successful projects world-wide. Expertise gained through long term cooperation with pharmaceutical and biotech companies has been used to develop and refine a comprehensive range of services including computer system validation (CSV) as well as qualification of automated process equipment.



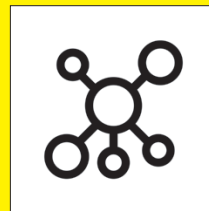
DCU and Biobrain with MFCS/win

Sartorius automation platforms (DCU and Biobrain) for fermentation and filtration systems are supported by MFCS/win. When combined with BioPAT® MFCS/win this solution is specifically tailored for bioprocess applications provides the most cost-effective and flexible platform for small to medium scale research and pilot plant applications.



Validation

BioPAT® MFCS/win supports all requirements to achieve full compliance with 21 CFR Part 11. That means that your process can be evaluated, reviewed, approved and archived without a single sheet of paper and without the possibility to falsify process data and signatures. However, if required, all information can be printed and signed handwritten.



Network

BioPAT® MFCS/win can easily be integrated with network security into an existing architecture by distributed operator workstations. If required the SCADA environment can also be isolated from your company's network. Not only the strong expertise of our IT engineers but also the use of the latest Windows® or Citrix® terminal server solutions allow for closing any security vulnerability.

Which software is right for me?

BioPAT® MFCS 4

The new BioPAT® MFCS 4 is our most recent software development for reliable data acquisition, effective trend monitoring and supervisory control of all Sartorius Biostat®, Sartoflow®, Certomat® and Flexact® instruments.

Learn more about the new BioPAT® MFCS and download a free demo version:

🌐 Visit BioPAT® MFCS website:
www.sartorius.com/biopatmfcs

BioPAT® MFCS/win 3.1

In contrast the proven BioPAT® MFCS/win 3.1 is a feature rich, fully 21CFR-11 compliant software package with preconfigured modules enabling plug-and-play setup of advanced SCADA functionalities.






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