SARTORIUS

BioPAT® MFCS

Software Features

Benefits

- 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 real-time data and historians of process, analytical and sampling data

Product Information

BioPAT® MFCS is provided in two versions:

BioPAT® MFCS 4 is the newest developed software with an intuitive modern user interface for reliable data acquisition, supervisory control and advanced automation. This software version is the successor of BioPAT® MFCS/win 3.1 and is continuously developed further to meet today's bioprocess demands.

BioPAT® MFCS/win 3.1 provides a complete suite of features for automation, optimization and advanced monitoring.

Overview BioPAT® MFCS Software Features

Feature	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
Data acquisition and storage	▪	▪
Supervisory control	▪	▪
Process value alarms	▪	▪
Process value simulation	▪	▪
Configuration management	▪	▪
Sample data management	▪▪	▪
Calculations	▪▪	▪
Advanced charting	▪	▪

Recipes

	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
Recipe control according to ISA-88.01	▪▪	▪▪
Perfusion Recipe	▪▪	▪▪
Customized Recipes	▪▪	▪▪

Networking

	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
Multi User Client	▪▪ (limited to 30 clients)	▪▪ (limited to 10 clients)

GMP & User Management

	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
21 CFR Part 11 compliance	*	▪▪
User management	*	▪▪

Others

	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
Replication manager	not applicable	▪▪
Integrated Design of Experiments (DoE)	*	▪▪
Integrated Multivariate Data Analysis (MVDA)	*	▪▪
Advanced reporting	*	▪
Virtualized Environment	▪	▪

Connectivitiy

	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
OPC DA Client	▪▪ (R/W; Classic & UA)	▪▪ (R/W; Classic)
OPC Classic DA server	▪ **	▪▪
OPC UA server (DA&AC)	▪▪	
OPC Classic AE server	▪ **	▪▪

▪ included
▪▪ optional module
* available in the near future
** requires an optional UA gateway
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Feature	BioPAT® MFCS 4	BioPAT® MFCS/win 3.1
General		
Number of supported process units	up to 24	up to 16
Minimum data export interval	0.5 s	1 s
Database management	Microsoft® SQL	Microsoft® Access
User interface languages	EN, DE, ZH, FR, ES, IT	EN

Training & Support		
Training	▪▪	▪▪
Validation support	*	▪▪

Supported Operating Systems		
Windows® 10 Pro and higher	(32 bit | 64 bit)	(64 bit)
Windows® 8.1 Pro and higher	(32 bit | 64 bit)	not supported
Windows® 7	not supported	(64 bit)
Windows® Server 2016	(64 bit)	(64 bit)
Windows® Server 2012 R2	not supported	(64 bit)
Windows® Server 2008 R2 SP1	not supported	(64 bit)
Windows® Server 2019	(64 bit)	not supported

▪ included
▪▪ optional module
* available in the near future
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