

About this Document

This document identifies hardware and software requirements for a supported installation of BIOVIA Workbook 2021.

The requirements are categorized into the following areas:

- Required BIOVIA and third-party software products
- Required system hardware and software, including operating system, regional settings, and other system software
- Optional BIOVIA software and version requirements
- Optional third-party software and version requirements

For information about what constitutes a supported installation, refer to the *BIOVIA Software Product Lifecycle and Platform Support Policy*.

Required BIOVIA and Third-party Software

The Workbook 2021 client application requires BIOVIA Vault Server 2021 and one of the following structure editors:

- BIOVIA Draw 2018, which is embedded in the Workbook 2021 client application.
- A later, independently installed version of BIOVIA Draw. If multiple versions of BIOVIA Draw are installed, the latest version takes precedence.

Note: The following new features of Draw 2021 are not yet integrated with Workbook and cannot be used in Workbook experiments:

- Sequence Clean
- Display Reagents Order Above/Below Arrow

- Perkin Elmer's ChemDraw 15, 16, 17, or 18.

If both BIOVIA Draw and ChemDraw are installed, a setting in User Preferences controls which is used. An administrator can enable a global option that changes the preferred editor to ChemDraw the first time a user logs in. For more information, see the *Workbook Administration Guide*.

Required System Hardware and Software

A supported installation of the Workbook 2021 client application requires the following system hardware and software.

Minimum Hardware Requirements

Component	Minimum Configuration
Processor	2 GHz, dual Core 3 GHz is recommended for parallel enumeration.
RAM	6 GB minimum

Component	Minimum Configuration
	<ul style="list-style-type: none"> ■ 8 GB or more is recommended. ■ Limit large archiving jobs such as exporting a set of experiments to PDF files, to 100 experiments. For optimal performance, use a 8 GB RAM quad core computer.
Hard disk space	100 GB, 10 GB free space
Display Properties	Screen Resolution: 1280 x 1024
Network	100 MB, TCP/IPv4 network

Operating Systems, Virtualization Technologies, and Regional Settings

Supported operating environments		Comments
Operating System	Microsoft Windows 10 (64-bit)	Workbook is not optimized for touch-screen navigation. A keyboard is required to use some features.
Desktop virtualization	Citrix	<ul style="list-style-type: none"> ■ Each end user must use a unique Citrix account to avoid unintentional sharing of data. ■ Workflow Designer and Vault Administration Console are not supported in Citrix environments.
Regional settings	<ul style="list-style-type: none"> ■ Danish ■ Dutch (Belgium, Netherlands) ■ English (U.S., U.K.) ■ French (France) ■ German (Germany, Switzerland) ■ Hungarian ■ Italian (Italy) ■ Spanish (Spain) ■ Swedish ■ Swedish (Finland) ■ Korean ■ Chinese ■ Japanese 	Customized regional settings are not supported. Use the defaults for the regional setting you select.

System Software Requirements

Software	Comments
Microsoft Edge (Chromium version), Chrome (latest), or Firefox (latest ESR)	
Microsoft Management Console (MMC) 3.0	Required only if you intend to install Vault Administration Console on the client system. Use the Windows Control Panel to ensure the MMC is installed and enabled.

Optional Complementary BIOVIA Software

Integration between Workbook and the following optional BIOVIA applications requires installation and configuration of the appropriate version of the applications.

BIOVIA Application	Version	Comments
Database Web Service	Latest	If installed, users can access these applications directly from the Workbook client interface.
Insight for Excel	2021	
Request	2018 SP1 HF2	
JDraw	1.1 SP4 HF2	If installed, users can cut-and-paste data between Workbook and these applications; the pasted data is converted automatically.
ISIS/Draw	2.5 SP4	

Optional Third-party Products

BIOVIA Workbook 2021 interfaces with the following third-party products. Some of the interfaces require BIOVIA Adapters, as noted in the Comments.

Product	Versions	Comments
ChemDraw	18 17 16 15	When PerkinElmer's ChemDraw application is installed, the user can choose whether to use ChemDraw or BIOVIA Draw to edit structures. For more information, see the <i>Workbook Client System Installation Guide</i> .
Microsoft Office (perpetual license)	2019 2016	32-bit (English or Japanese) 64-bit (English or Japanese) Note: 3D changes to spreadsheets from Office 2016 and later do not import correctly into Workbook.
Microsoft Office 365 (subscription plan)	2019 2016	Workbook is compatible with the Microsoft 365 desktop apps, but not with the Microsoft 365 mobile and web-based apps.
An Acrobat PDF viewer	See comments	Acrobat Reader DC or an Acrobat application from Adobe is recommended. Workbook generates reports in the PDF 1.4

Product	Versions	Comments
		format, and PDF viewers from sources other than Adobe do not always render this format completely and correctly.
Waters® Empower CDS	Version 3, Feature Release 4 Version 3, Feature Release 2	Requires BIOVIA Empower Adapter 2018.
Waters® NuGenesis SDMS		Requires BIOVIA NuGenesis Adapter 2018.
Agilent OpenLAB ECM		Requires BIOVIA OpenLAB Adapter 2018.

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Acknowledgments and References

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"Computational results were obtained by using Dassault Systèmes BIOVIA software programs. BIOVIA Workbook was used to perform the calculations and to generate the graphical results."

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