

Release Notes

BioPhase Software

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This document gives a description of the features of these software products for the BioPhase software 1.6:

- BioPhase software
- BioPhase Project Management software
- BioPhase Analysis software
- Front Panel software on the BioPhase 8800 system
- BioPhase Log File Extractor software
- BioPhase Instrument API

We recommend that users keep these release notes for reference during familiarization with the software.

For information about system requirements or software installation and configuration instructions, refer to the document: *Installation Guide for the BioPhase Software and BioPhase Project Management Software*.

Note: Reference numbers for each issue or feature in the SCIEX internal tracking system are shown in parentheses.

Operating System Requirements

This version of the software is compatible with the Windows 10, 64-bit operating system and Windows 11, 64-bit operating system.

For computer requirements, refer to the section: [Computer Requirements](#).

Computer Requirements

The computer must meet the minimum requirements for the Windows 10, 64-bit operating system or Windows 11, 64-bit operating system.

Local Computer Configuration Requirements

In a local computer configuration, customers can buy a computer from SCIEX or supply their own. If a non-SCIEX computer will be used, then the customer is responsible for all aspects of configuration and installation of the BioPhase software. The non-SCIEX computer must meet or exceed the specifications for the validated computer. Refer to the section: [Validated Computer Configuration](#).

Validated Computer Configuration

Table 2-1 Validated Computer Configuration

Item	Details
Operating system	Microsoft Windows 11 IoT Enterprise LTSC 24H2
Other software	Windows Feature Experience Pack 1000.26100.334.0 .NET Framework 4.7.2 or later
CPU	Intel Xeon w3-2435 (3.10 GHz)
Random access memory (RAM)	32 GB (2 × 16 GB) DDR4 3200 MHz RDIMM ECC memory
Solid-state drive	M.2 1 TB PCIe NVMe Class 40
Ethernet adapters	Ethernet port for network connectivity

Network Configuration Requirements

To connect the BioPhase 8800 system to the customer network, a computer that is configured to isolate the system from the network domain is required. This computer becomes the domain isolator, on which the BioPhase Project Management software must be installed.

Before the field service employee (FSE) gets to the customer site to install the BioPhase 8800 system, customers must configure the domain isolator to connect to their network. We recommend that a local IT representative help to add the computer to the network domain and configure network access settings, if required.

To connect to multiple BioPhase 8800 systems, one domain isolator can use a network switch or be configured as a virtual LAN (VLAN) on the customer network.

Domain Isolator Requirements

Table 2-2 Domain Isolator Requirements

Item	Details
Operating system	Microsoft Windows Enterprise 10 LTSC 2019 or Windows 11, 64 bit
Other software	.NET Framework 4.7.2 or later
Adapters	Two network interface cards

Network Configuration Requirements

To connect the BioPhase 8800 system to the customer network, a computer that is configured to isolate the system from the network domain is required. This computer becomes the domain isolator, on which the BioPhase Project Management software must be installed.

Before the field service employee (FSE) gets to the customer site to install the BioPhase 8800 system, customers must configure the domain isolator to connect to their network. We recommend that a local IT representative help to add the computer to the network domain and configure network access settings, if required.

To connect to multiple BioPhase 8800 systems, one domain isolator can use a network switch or be configured as a virtual LAN (VLAN) on the customer network.

Domain Isolator Requirements

Table 2-3 Domain Isolator Requirements

Item	Details
Operating system	Microsoft Windows Enterprise 10 LTSC 2019 or Windows 11, 64 bit

Requirements

Table 2-3 Domain Isolator Requirements (continued)

Item	Details
Other software	.NET Framework 4.7.2 or later
Adapters	Two network interface cards

This section gives a description of the changes in the software products for the BioPhase 8800 system. To see the enhancements and corrections for an earlier release, refer to the document: *Software Release Notes* for that version of the software.

New Features

- The Windows 11 operating system is supported.
- Software security for mixed mode and integrated mode is connected to Windows security.
- Controlled access to the software and system functionality with predefined or custom roles is available.
- Controlled access to projects on a user-by-user basis is available.
- Audit trails for system operation, maintenance, data acquisition, data review, and report generation are available.
- Electronic signatures that use a combination of user ID and password are supported.
- A new *Help* document supplies information about the configuration and operation of the BioPhase Project Management software. To see the *Help* document, open the software, and then push **F1** or click **? (Help)** in the top right corner.
- A new BioPhase Instrument API supports remote communication and control between auxiliary laboratory applications and the BioPhase 8800 system. For more information, refer to the document: *BioPhase Instrument API Developer Guide* or contact the local SCIEX representative.

Note: The BioPhase Instrument API must be installed on the BioPhase 8800 system by a SCIEX field service employee (FSE).

For instructions about how to use the new features, refer to the document: *Help* in the applicable software.

For more information about the changes to each software product, refer to the sections that follow.

BioPhase Software

- The Audit Trail workspace is available on the Home page. Use the Audit Trail workspace to see the record of events that occurred to the BioPhase 8800 system or a project, and to create or see the archive file.

New in Version 1.6

Note: The Audit Trail workspace is not available in workstation mode.

- The Configuration workspace changed:
 - Buttons are available to select the security mode for the system. The security mode controls if the user is required to supply credentials to use the software.
 - A field is available to supply the name of the computer that is used as the domain isolator.

Note: The computer where the BioPhase Project Management software is installed becomes the domain isolator.

- A button is available to do a test of the connection between the BioPhase software and the BioPhase Project Management software.
- In the Method Editor and Sequence Editor workspaces, the name of the **Audit Trail** button changed to **Revision History**. To see all of the versions of a method or sequence file, open the applicable file, and then click **Revision History**.

BioPhase Project Management Software

- The user interface uses the SCIEX brand colors.
- The user interface is easier to use. Workspaces are selected in the left pane and opened in the right pane.
- A new User Management workspace has User Pool and User Roles and Permissions panes to control access to software functionality and the BioPhase 8800 system.
- In the Project Management workspace, the buttons to add, remove, and edit projects moved to make them easier to find. Users are assigned to projects in the Project Access table. In the Edit Project dialog, new fields are available to see and assign audit maps to projects.
- A new Audit Maps workspace is available to create and manage audit maps for projects and the BioPhase 8800 system. Audit maps select the information that is shown in audit trails.
- The Configuration workspace can be used to configure user authentication and security parameters for the BioPhase Project Management software and the BioPhase 8800 system, and set the location of the `Project` and `Reagent` folders.
- A new About workspace is available to see information about the BioPhase Project Management software.

Note: In the BioPhase software 1.5 or earlier, this information is shown when the user clicks



BioPhase Analysis Software

- A new field in the dialogs that are shown during the application or revocation of electronic signatures for the selection of the signature type lets users select the applicable signature type to show that the files were analyzed, reviewed, or approved.
- The `DRAFT` watermark that is shown when `dino` files are printed or saved as `pdf` files is removed.

Front Panel Software

- For BioPhase 8800 systems that have the BioPhase Instrument API installed, in the Configuration window, a new field on the Network tab shows the API key for the BioPhase Instrument API.

Note: The BioPhase Instrument API must be installed on the BioPhase 8800 system by a SCIEX field service employee (FSE).

Corrections

This release includes corrections for these issues:

BioPhase Software

- In the Sequence Editor workspace, if the sort function is used on the **Data File** column, then errors in this column might not be identified and cell values might not be editable. (BRKSW-4630)
- In the Sequence Editor workspace, if there is a `:` (colon) in the **Sample ID** or **Data File** field, then the software cannot save the data file during acquisition and the data will be lost. (BRKSW-5021)
- In the Sequence Editor workspace, if the letter case of one or more of the file name codes in the **Data File** field is changed, then the software cannot save the data file during acquisition and the data will be lost. (BRKSW-5099)
- When some sequence files that were created in earlier versions of the software are opened, the software might become slow or close unexpectedly. (BRKSW-6016)

Front Panel Software

- For some users, when acquisition is completed, the data is not saved to the correct location until power to the system is turned off. (BRKSW-4480)
- The letter case of the file names for acquired data might not be the same as the letter case that is set in the sequence file. (BRKSW-7028)

Known Issues

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Note: Reference numbers for each issue or feature in the SCIEX internal tracking system are shown in parentheses.

Issue	Notes
Microsoft Windows: File names with more than 260 characters are not permitted. If the full file name, which includes the full file path, is more than 260 characters, then data loss might occur. (BRKSW-4562)	Use file names that are as short as possible.
BioPhase Software	
If the software is configured to save methods and sequences to a server, then methods and sequences cannot be created and saved if the computer with the BioPhase software is not connected to the server. (BRKSW-1790)	The computer with the BioPhase software must be connected to the server. During installation, the user identifies where the sequences will be saved. If the computer is directly connected to the BioPhase 8800 system, then there is no issue.
If issues with network connectivity occur during sequence creation, then the SAVE button is not disabled after the sequence is saved. (BRKSW-3273)	N/A
When there are a large number of actions in a method, an empty page in the Method Actions section of the method report is added. (BRKSW-3589)	No information is added to or removed from the report.
When a sequence is created, if too many runs have been added, then an error message is shown. After the error is cleared, the values in the Sample ID , Run Type , and Data File cells change to their default values. (BRKSW-3606)	If an error occurs when a sequence is created, then close the Sequence Editor workspace, and then open it again. Examine the values in the Sample ID , Run Type , and Data File cells. If required, then change the values.
Only sequences in the top-level folder for a project can be seen in the BioPhase software. All of the sequences in a project are shown on the touchscreen. (BRKSW-3667)	Do not save sequences in a project subfolder. If there are sequences in a subfolder, then move the sequences to the top-level folder, or create a new project and then move the sequences to that project.

Issue	Notes
Incorrect sequence names are sometimes shown in the Sequence Editor workspace. (BRKSW-3674)	Do not change the name of the sequences in File Explorer.
If Microsoft Excel is not available, then the export function cannot be used and an error message might be shown. (BRKSW-4042)	Microsoft Excel is required to use the export and import functions.
During the creation of a new method, if the user clicks  (Undo) before an action is added, then the software might add an action that was recently deleted from a previously closed method to the new method. This issue can also cause the software to close unexpectedly. (BRKSW-4285)	Delete the incorrect action, or close the software and then open it again. Do not click  (Undo) before actions are added to the method.
If the user has read-only permission for the location that contains saved files, then the user cannot see the sequences. (BRKSW-4540)	Give the user full permissions.
If a sequence with a separation step that is less than 1 minute is done two times without a pause, then the second run might stop unexpectedly. For this issue to occur, the total number of combined acquisitions in the two runs must be more than 40. (BRKSW-4670)	Before the second sequence is started, turn the power to the system off and then on again.
For some scenarios during the creation or modification of a sequence, the UNDO button might not operate correctly. (BRKSW-4978)	Make the required changes manually.
If the security mode is set to Mixed Mode in the BioPhase Project Management software, then for some records of events, the name in the Full User Name column in the audit trail might not include the domain. (BRKSW-6377)	N/A
After a saved method that uses the NF detector is opened, the value that is selected for Data Collection Rate might be incorrect. (BRKSW-8152)	Select the correct value for Data Collection Rate , and then save the method again. If the correct value is not shown or cannot be selected, then select a different detector type, and then select NFD again.

Known Issues

Issue	Notes
If the computer with the BioPhase software is connected to a different domain isolator, then the system audit trail might include records of events that occurred on other domain isolators. (BRKSW-8600)	Do not change the domain isolator that is connected to the computer with the BioPhase software unless no alternative is available.
After a new method is created, if the Revision History dialog is opened before the user clicks Edit , then the parameters for the method might not be correct. (BRKSW-8877)	Close the method, and then open it again. Make sure that changes to the method are made before Revision History is clicked.
BioPhase Project Management Software	
When a new project is created, if the project name contains special characters, then the project cannot be opened or used in the BioPhase software or Front Panel software. (BRKSW-3164)	Do not use these special characters in project names: < (less than), > (greater than), : (colon), " (double quote), \ (backward slash), / (forward slash), (vertical bar), ? (question mark), or * (asterisk).
If the user clicks Upload Data and there is no data to upload or the upload fails, then the information in the message that is shown is incorrect. (BRKSW-3710)	Click Upload Data only when data is available in the C:\BioPhase\Archive folder on the domain isolator.
If the user name for the local computer is the same as the user name for the network, then an error might occur when signatures are added. (BRKSW-3979, BRKSW-8374)	Make sure that the user names are not the same.
In the Configuration workspace, if Use AD Domain and Override Default Name are selected, then the domain name for the domain isolator and the BioPhase 8800 system must be the same. If the domain names are different, then users cannot log on to the BioPhase 8800 system. (BRKSW-5597)	Make sure that the name of the domain for the domain isolator and the BioPhase 8800 system are the same.
When a new location is selected for the <code>Project</code> or <code>Reagent</code> folder, if the new location is not a network folder, then the location is changed to be a network folder and no message is shown. (BRKSW-8601)	Make sure that the new location for the <code>Project</code> or <code>Reagent</code> folder can be changed to a network folder.
If communication issues occur between the BioPhase 8800 system and the <code>Project</code> folder during data acquisition, then the data	Make sure that the data is saved to the correct location in the project root folder. If the data is not saved to the correct location, then examine

Issue	Notes
might not be saved to the correct location and a record of the event might not be created in the audit trail. (BRKSW-8791)	the archive folder on the computer for the BioPhase 8800 system, and then move the data to the correct location.
BioPhase Analysis Software	
In the System Suitability Settings dialog, values for RMS Noise , Peak-to-Peak Noise , and Drift cannot be deleted. (BRKSW-2254)	Double-click in the cell to edit or delete the value for RMS Noise , Peak-to-Peak Noise , or Drift , or close the System Suitability Settings dialog and then open it again.
In the Report Setup dialog, if the Include logo check box is selected but the Width (%page) field is empty, then the logo is not shown in the report. (BRKSW-3377)	If the Include logo check box is selected, then make sure that the Width (%page) field is not empty.
In the Report Setup dialog, if Include logo check box is selected but the Above header check box is not, then the logo overwrites the header in the report. (BRKSW-3379)	If the Include logo check box is selected, then make sure that the Above header check box is also selected.
If the analysis is a baseline evaluation, then the legend in the system suitability report is not shown. (BRKSW-3423)	N/A
In the System Suitability Setup dialog, if the Criteria cell in the Peak Evaluation table is empty, then the results are unpredictable. (BRKSW-3424)	For rows in the Peak Evaluation table, make sure that the Criteria cell is not empty.
On the Overlay tab, the Analyze (all) and Analyze (checked) buttons do not operate correctly. (BRKSW-3450)	Do data analysis on the Single tab.
For peaks that do not have names on the Library tab, if Set Name is used to give names to the peaks, then those names cannot be changed or removed unless all of the manual integration events are deleted. (BRKSW-3573)	N/A
If the user does not have the correct permissions, then the signature function is slow and an error message is shown for the last signature that was not added correctly. If multiple signatures are not added correctly, then the message is shown only for the last signature. (BRKSW-3649)	In the BioPhase Project Management software, make sure that users who are required to sign are given the correct permissions.

Known Issues

Issue	Notes
When more than 100 files are processed at the same time, then some files might not have the signature added correctly or might show an incorrect watermark. This issue can occur when there are network connectivity issues with the domain isolator. (BRKSW-4438)	Examine processed files to make sure that the signature and watermark are correct.
If an overlay graph with stacked traces is created with files that have different ranges on the Y-axis, then on the overlay graph, a space might be seen on the left side of 0. (BRKSW-4552)	N/A
If values are supplied for the Y-axis in the Custom Scaling dialog, then these values are not shown correctly when the dialog is opened again. (BRKSW-4662)	N/A
During the application or revocation of signatures to files in the BioPhase Analysis software, if the BioPhase software is not open at the same time, then the BioPhase Analysis software might become unresponsive. (BRKSW-8703)	When signatures are applied or revoked in the BioPhase Analysis software, make sure that the BioPhase software is open at the same time.
For systems that use Enterprise Mode , when the report layout is changed, the layout cannot be saved and this message is shown: The user does not have the correct permissions to save the report template. To get the correct permissions, contact the local administrator although the user has the correct permissions. (BRKSW-8851)	N/A
For systems that use Enterprise Mode , users that are assigned to the Reviewer role or a custom role without permissions to save data files might be able to save these files when they have write permissions for the location. (BRKSW-8876)	In Microsoft Windows, give the users read-only permissions for the applicable locations.
Front Panel Software	
If an error recovery method is in progress, then the status of the method is not shown.	N/A

Issue	Notes
The touchscreen shows that the system is in an <code>Error</code> status. (BRKSW-3516)	
If the values for Sample Storage Temperature and Capillary Cartridge Temperature are adjusted at the same time in the Set Temperature window, then when the user touches Accept , only the value for Sample Storage Temperature is adjusted. (BRKSW-4939)	Do not adjust the values for Sample Storage Temperature and Capillary Cartridge Temperature at the same time in the Set Temperature window.
BioPhase Log File Extractor Software	
If the location for the exported log file is at the root directory, for example, <code>C:\</code> , then an error message is shown that communication between the software and the system is not possible. (BRKSW-3593)	Export log files to a folder, not to the root directory.
BioPhase Instrument API	
When the <code>Control: LightSource</code> endpoint is used to operate the light source, the operation might not be correct. For example, if the light source is off and the <code>Control: LightSource</code> endpoint is used to turn off the light source, then the light source might be turned on. (BRKSW-8797)	To make sure that operation of the light source is correct, do a status check before and after the <code>Control: LightSource</code> endpoint is used.

Contact Us

Addresses

EC Authorized Person

AB Sciex Netherlands B.V.
1e Tochtweg 11,
2913LN Nieuwerkerk aan den IJssel
Netherlands



Made in Singapore
AB Sciex Pte. Ltd.
Blk33, #04-06 Marsiling Industrial Estate Road 3
Woodlands Central Industrial Estate, Singapore 739256

SCIEX Headquarters

AB Sciex LLC
250 Forest Street
Marlborough, MA 01752
USA

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SCIEX Support

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- sciex.com/contact-us
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Cybersecurity

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Documentation

This version of the document supersedes all of the previous versions of this document.

To find software product documentation, refer to the release notes or software installation guide that comes with the software.

To find hardware product documentation, refer to the documentation that comes with the system or component.

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