BioPhase Software 1.4.458 Patch

Release Notes

Contents

Introduction 1

This guide supplies information about, and procedures for, the software for the BioPhase 8800 system.

Procedures for the following are supplied:

- How to install the BioPhase software
- How to download the method and sequence files
- How to install the Project Management software
- How to get and install a license for the BioPhase software

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

DISCLAIMER

This software patch has not undergone extensive formal testing at this time. The patch has undergone sufficient testing to prove that it resolves the issues detailed below. SCIEX assumes no liability or responsibility for any loss howsoever caused in connection with using this software.

New Features in Version 1.4.458

BioPhase Analysis Software

- Added a function to the Cal MT Curve dialog so that the user can select the scale for the Y-axis. Options are **Linear** and **Logarithmic**. (BRKSW-3623)

Corrected Issues in Version 1.4.458

BioPhase Analysis Software

- On the Library tab in the Analysis Parameters pane, the plot in the Cal MT Curve dialog always shows the calibration curve calculated from the external markers even when the **External Markers** check box is cleared. (BRKSW-3740)
- Unless the **Linear** fit type is selected, when external markers are used to calculate the calibration curve (the **External Markers** check box is selected), the data analysis shows an error. (BRKSW-1494)

BioPhase Firmware 1.4.4

BioPhase firmware 1.4.4 was released in October 2024.

Changes in this version include:

- Added support for the UV detector shutter. (BRKSW-3679)

Installation

If the optional UV detector shutter will be added to the system, then a SCIEX field service employee (FSE) installs the shutter and the required software and firmware.

To install the software for a new system, refer to the section: Installation Instructions.

To install only the fixes and new features for the BioPhase Analysis software when the BioPhase software 1.4 is already installed, refer to the section: Install the BioPhase Software. Make sure that the correct versions of the following components are installed before the patch is installed:

- Project Management software 1.4.38

- Front panel 1.4.38

- Firmware 1.4.2 or 1.4.4

Note: If all of the BioPhase software 1.4 components are installed, then confirmation of the version numbers is not required.

For more information about compatibility or if there are issues with the installation, contact sciex.com/request-support.

Installation Instructions

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Note: Internet access is required to download the software. We recommend that all of the required software and materials be downloaded before the scheduled installation to decrease the time required for the installation.

Download Required Software and Files

Go to sciex.com/software-downloads, and then download the following files from the **More Software Downloads** section:

- BioPhase Software Patch 1.4.458

- BioPhase Project Management Software 1.4

- BioPhase Project Files 1.4

Tip! To prevent possible installation issues, save the files to a location other than the computer desktop. Before the installation is started, disconnect all external USB storage devices.

Create Project Folders

Use this procedure to create project folders that contain methods, sequences, reagents, and analysis parameters to be used with the BioPhase software.

Note: If a previous version of the software is installed, then this procedure is not required. The saved folders can be used.

1. In File Explorer, right-click the `BioPhase.zip` file and then click **Extract All** to extract the installation package.
   The Extract Compressed (Zipped) Folders dialog opens.

2. Click **Browse**, and then select a folder on a local or network drive, for example: `C:\BioPhase`.

3. Click **Select Folder**, and then click **Extract**.
   The extracted files are copied to the selected location. The extracted files include `Project` and `Reagent` folders that are identified and used during installation.

Install the BioPhase Software

The BioPhase software lets the user set up methods and sequences for data acquisition, and then analyze the collected data.

1. Log on to the computer as a Windows user with Administrator privileges.

2. Make sure that all applications are closed.

3. If a previous version of the software is installed, then do the following:

    a. Copy or move the license file (`License.lic`) from `C:\Program Files (x86)\AB SCIEX\BioPhase` to a different location.

       The license file is required when the new version is installed. The uninstall process deletes the license file, so make sure that there is a copy in a different location from the software.

    b. Uninstall the BioPhase software.

4. In File Explorer, double-click the `BioPhase-Editor-Software-1.4.458.zip` file, and then click **Extract All** to extract the installation package.

5. Double-click the installer `msi` file.

6. Select the **I accept the terms in the Licence Agreement** check box, and then click **Install**.

7. Follow the on-screen instructions.

   When the location of the `Project` and `Reagents` folders is required by the installer, do one of the following steps:

    • For a new installation, use the location of the folders that were created when the project folders were set up. Refer to the section: Create Project Folders.

    • If a previous version of the software was installed, then use the location of the saved folders.

   Note: If the `Project` and `Reagents` folders are on a shared drive, then use the full path to the folder. If the folders are on a mapped drive and the mapped drive name is used, then issues with access to the projects or reagents might occur.

8. After the software is installed, start the computer again.

   Note: Although it is not required to start the computer again, we recommend that it be done.

9. Configure the license. Do one of the following steps:

    • For a new installation, download, and then activate the license. Refer to the section: Electronic Licensing.

    • If a previous version of the software was installed, then copy the license file that was saved in step 3.a to `C:\Program Files (x86)\AB SCIEX\BioPhase`.

Electronic Licensing

To use the BioPhase software, a node-locked license is required. The license file name is `License.lic`. The license file is installed in the `C:\Program Files (x86)\AB`

`SCIEX\BioPhase` folder on the computer where the BioPhase software is installed. To activate the node-locked license, refer to the section: Activate a Node-Locked License.

Note: For the node-locked license, do not change the computer date and time after the license is activated. If the computer date and time must be changed, then do so before the license is activated. Otherwise, the software might not operate.

Note: Do not change a node-locked license file. If the license file is changed, then the license file becomes invalid and cannot be recovered.

Note: To purchase more licenses, contact SCIEX Support at sciex.com/contact-us.

Activate a Node-Locked License

Prerequisites
• A license key is available.

1. On the desktop, double-click the BioPhase icon.

Figure 2-1 Activation Dialog
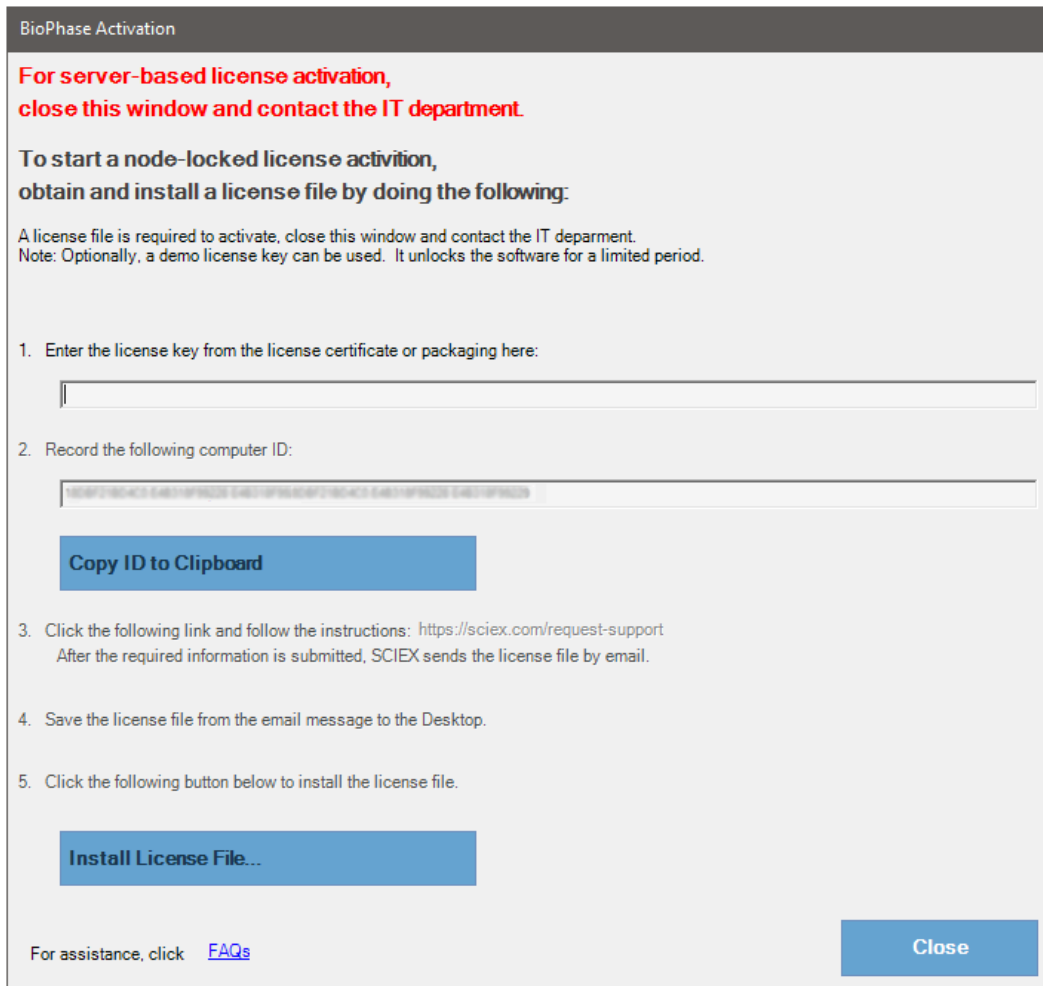
2. In step 1 of the Activation dialog, type the license key.

   The license key might be supplied on a printed activation certificate or in an e-mail from SCIEX Now. If the license key is missing, then contact a SCIEX sales representative.

   Note: The license key starts with AID and is followed by 32 characters: 8 segments of 4-digit codes divided by hyphens.

   When the license key is supplied, the **Copy ID to Clipboard** and **Install License File** buttons and the link in step 3 of the Activation dialog become available.

3. In the Activation dialog, click the link in step 3.
   The SCIEX Login web page opens.

4. To log on to a SCIEX account, click **Log In**, or click **Create an Account**.

When account creation or log on is complete, the SCIEX software activation web page opens. The first name, last name, and e-mail address of the user are shown in the first three fields.

If a license will be activated for the BioPhase software on this computer, then the **License Key** field shows the correct information.

5. (Optional) If a license will be activated for the BioPhase software on a different computer, then type the computer ID and the license key.

    The computer ID is the MAC address of the network port that is used to connect the computer to the network.

6. (Optional) If the **Computer ID** field is empty, then do these steps:

    a. In the Activation dialog, click **Copy ID to Clipboard**.

    b. In the SCIEX software activation web page, paste the ID in the **Computer ID** field.

7. (Optional) In the **Nickname** field, type a name.

8. In the **Select Your Instrument** field, select an instrument from the list.

9. In the **Serial Number** field, type the serial number of the BioPhase 8800 system.

    The serial number is on the back panel.

10. Click **Submit**.

11. To download and save the license file, do one of the following actions:

    -   In the message dialog, click **Download Now**, and then save the file to a local file path.

    -   In the e-mail, download the license file, and then save the file to a local file path.

12. In the **Install License File** dialog, click **Install License File**, and then select the location to save the license file.

    If the license file is valid, then the Activation dialog closes and the BioPhase software opens to show the Home page.

Install the Project Management Software

In a local computer configuration, the software is installed on the local computer.

In a network configuration, the software is installed on the domain isolator.

CAUTION: Potential Data Loss. Make sure that the domain isolator is set to never go to sleep. If the domain isolator goes to sleep, then data files might not be saved during acquisition. SCIEX computer images already have these settings set correctly.

Note: Make sure that the software version of the Project Management software and the BioPhase software is the same.

Note: The BioPhase Log File Extractor software is installed during the Project Management software installation.

1. Log on to the local computer or domain isolator as a Windows user with Administrator privileges.

2. Make sure that all applications are closed.

3. If a previous version of the software is installed, then back up all of the project files, and then uninstall the software.

4. In File Explorer, right-click the `SCIEX_BioPhase_Project_Management_Software_1.4.zip` file, and then click **Extract All** to extract the installation package.

5. Double-click the installer `msi` file.

6. Follow the on-screen instructions.

    Tip! To prevent possible installation issues, save the file to a location other than the computer desktop. Before the installation is started, disconnect all external USB storage devices.

7. After the software is installed, start the computer again.

For instructions for the Project Management software or BioPhase Log File Extractor software, refer to the document: *Operator Guide*.

Known Issues in the Software 3

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

Issue	Notes
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.
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 **RMS Noise**, **Peak-to-Peak Noise**, and **Drift** values, or close the System Suitability Settings tab and open it again.
BioPhase software: If there are a large number of methods in a project, then not all of them can be seen in the Open a Method dialog in the Method Editor. (BRKSW-2459)	To prevent this, do not create a large number of methods in a project.
BioPhase Analysis software: In the Report Setup dialog, if **Include logo** is selected but **Width (%page)** is empty, then the logo is not shown in the report. (BRKSW-3377)	If **Include logo** is selected, then make sure that **Width (%page)** is not empty.
BioPhase Analysis software: In the Report Setup dialog, if **Include logo** is selected but **Above header** is not, then the logo will overwrite the header in the report. (BRKSW-3379)	If **Include logo** is selected, then make sure that **Above header** is also selected.
BioPhase Analysis software: If the analysis is only a baseline evaluation, then the legend in the system suitability report is not shown. (BRKSW-3423)	N/A
BioPhase Analysis software: 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 any row in the Peak Evaluation table, make sure that the **Criteria** cell is not empty.

Issue	Notes
Front panel: If an error recovery method is in progress, then the status of the method is not shown. The front panel shows that the system is in an error state. (BRKSW-3516)	N/A
BioPhase software: The number of actions in a method can create an empty page in the Method Actions section of the method report. (BRKSW-3589)	No information is added to or removed from the report.
BioPhase Log File Extractor software: If the location for the exported log file is at the root, such as `C:\`, then the software shows an error message that the software cannot communicate with the system. (BRKSW-3593)	Export log files to a folder, not the root.
BioPhase software: 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 the default. (BRKSW-3606)	If an error occurs while a sequence is created, then close the sequence editor, and then open it again. Examine the values in the **Sample ID**, **Run Type**, and **Data File** cells. If required, then make any changes.
BioPhase Analysis software: If the user does not have sign-off authorization, then the signature function is slow and only shows an error for the last failed signature even if other signatures fail. (BRKSW-3649)	In the Project Management software, make sure that users who are required to sign are set up with sign-off authorization.
BioPhase software: Only sequences in the top-level folder for a project can be seen in the BioPhase software. All sequences in a project are shown on the front panel. (BRKSW-3667)	Do not save sequences in a project subfolder. Move sequences in a subfolder to the top-level folder or create a new project and then move the sequences to that project.
If the / character is part of the **Sample Id**, then a folder is created. The folder name is the text before the /. The characters after the / are used as the file name. (BRKSW-3688)	Do not use the / character in the **Sample Id** in the Sequence Summary table in the Sequence Editor.
BioPhase software: Incorrect sequence names are sometimes shown in the Sequence Editor. (BRKSW-3674)	Do not rename sequences in File Explorer.

Known Issues in the Software

Issue	Notes
BioPhase software: For a project with many sequences, the list of sequences shown in the Open a Sequence dialog is different than the list shown in the Projects/Sequences pane on the Sequence Summary tab in the Sequence Editor. (BRKSW-3700)	To prevent this, do not create a large number of sequences in a project.
Project Management software: When **Upload Data** is clicked and there is no data to upload or the upload fails, then the message is incorrect. (BRKSW-3710)	Use the upload function only when there is data in the `C:\BioPhase\Archive` folder on the domain isolator.
BioPhase Analysis software: If external markers are selected for the **Log**, **Quadratic**, **Cubic**, **Quartic**, or **Point to Point** in the **fit Type** list, then the markers in the Markers Table are used to calculate the calibration curve. (BRKSW-3716)	To use external markers, in the **Fit Type** list, select **Linear**.

Contact Us

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Customer Training

- Global: sciex.com/contact-us

Online Learning Center

- SCIEX Now Learning Hub

Purchase Supplies and Reagents

Reorder SCIEX supplies and reagents online at store.sciex.com. To set up an order, use the account number, found on the quote, order confirmation, or shipping documents. Currently, customers in the United States, Canada, United Kingdom, Belgium, Netherlands, France, Germany, and Switzerland have access to the online store, but access will be extended to other countries in the future. For customers in other countries, contact a local SCIEX representative.

SCIEX Support

SCIEX and its representatives have a global staff of fully-trained service and technical specialists. They can supply answers to questions about the system or any technical issues that might occur. For more information, go to the SCIEX website at sciex.com or use one of the following links to contact us.

- sciex.com/contact-us

- sciex.com/request-support

Cybersecurity

For the latest guidance on cybersecurity for SCIEX products, visit sciex.com/productsecurity.

Documentation

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

To see this document electronically, Adobe Acrobat Reader is required. To download the latest version, go to https://get.adobe.com/reader.

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.

The latest versions of the documentation are available on the SCIEX website, at sciex.com/customer-documents.

Note: To request a free, printed version of this document, contact sciex.com/contact-us.