Biacore™ T200 Software v3.2.2

Release notes

1 Introduction

This document describes new Windows compatibility and resolved issues in Biacore™ T200 Software version 3.2.2 compared to Biacore T200 Software version 3.2.1. Known remaining issues and limitations are also listed.

The main feature in version 3.2.2 is support for Windows 11. In addition, version 3.2.2 includes defect fixes and improvements based on user feedback. No new functionality has been introduced.

Included software

This document describes Biacore T200 Software, which consists of the three following components:

- Biacore T200 Control Software version 3.2.2
- Biacore T200 Evaluation Software version 3.2.2
- Biacore T200 GxP Package version 3.2.2

Functionality

Biacore T200 Software supports set-up and execution of label-free interaction analyses with Biacore T200 instruments. The Biacore T200 GxP Package offers optional support for work in regulated environments.

Supporting documentation

For more information on functionality, see the following documents:

- *Biacore T200 Software Handbook (CY19127-11Mar21-HB)*
- *Biacore T200 Operating Instructions (28976883)*

- *Biacore T200 GxP Handbook (28976881)*
- *Biacore T200 Immunogenicity Handbook (CY19126-11Mar21-HB)*

The above referenced documents have not been updated to mention new Windows support and the latest software version. However, all information in them is relevant for Windows 11 and Biacore T200 Software version 3.2.2.

Accessing software installers and documentation

Manuals, guides, instructions, software installers and release notes are available on *https://www.cytivalifesciences.com/support/software/Biacore-downloads*, using the product key.

To be proactively informed about changes, subscribe to our change control portal: *https://www.cytiva.com/support/quality/regulatory-support/change-control-notifications*.

2 New Windows compatibility

In addition to previously supported operating systems, Biacore T200 Software version 3.2.2 is compatible with:

- 64-bit Microsoft Windows 11 Enterprise
- 64-bit Microsoft Windows 11 Professional

The functionality of Biacore T200 Software v 3.2.2 and the Biacore T200 system has been verified using English Windows versions. Note that other languages than English can cause issues.

3 Resolved issues

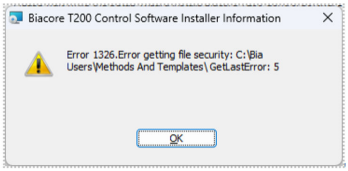
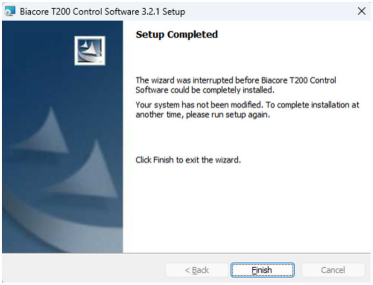
The table below describes issues that have been resolved in Biacore T200 Software version 3.2.2.

Software area	Description
Published procedures	When publishing a wizard that used the CAP chip or the NTA chip, the capture solution or nickel solution was incorrectly removed from the run method. (Ref. 3338)

Software area	Description
Kinetics and Affinity	In rare situations, the calculated KD value was presented incorrectly by a factor of 10. This occurred when the calculated ka/kd ratio exactly matched the form 1.000 * 10X, where X was any integer value. (Ref. 3317)
Kinetics and Affinity	It was not possible to use user-defined fitting models in Kinetics or Affinity if the local group policy ***System cryptography: Use FIPS compliant algorithms for encryption, hashing and signing*** was enabled. (Ref. 3344)
Kinetics Summary	When opening data in ***Kinetics Summary*** that had been fitted with the Two state reaction model, parameters ***ka1***, ***kd1***, ***ka2***, and ***kd2*** were displayed with four significant digits instead of three. This issue applied to Biacore T200 Kinetics Summary v 3.2.1, but not to earlier versions. (Ref. 3341)
Sensorgram Comparison	When using comma as decimal symbol it was not possible to create new ***Sensorgram Comparison*** items, or to open saved evaluations containing ***Sensorgram Comparison*** items. (Ref. 3290)
XML export	Upon XML export of the ***Report Point Table***, an additional tab character was added at the end of all table lines. This caused the *.csv format to break when imported in other programs. (Ref. 3325)
Software Problem Report	The software sometimes failed to display correct information about installed software when a ***Software Problem Report*** was created. It stated ***Biacore registry root key was not found, no Biacore softwares are installed***. (Ref. 3335)
GxP Package	Version 3.2.1 of the T200 GxP installation program created a folder under BIA Users called `Published Procedure`. It should be `Published Procedures`, with a plural s. (Ref. 3326)

4 Known issues and limitations

The table below describes known issues and limitations in Biacore T200 Software version 3.2.2.

Software area	Description	Workaround
Installation	It is not possible to update the software from version 3.2.0 to version 3.2.2 if recommended CFR part 11 settings have been applied on directories. Installation fails due to restricted access to directory `C:\Bia Users`. One of the following messages is shown:   (Ref. 3356)	1. Rename the directory `C:\Bia Users` to `C:\Bia Users 2`. 2. Run the installation again. 3. Delete the newly created directory `C:\Bia Users`. 4. Rename `C:\Bia Users 2` to `C:\Bia Users`.
GxP package	In a specific situation, when in GxP mode, there is an issue with the ***Save as*** window in the evaluation software. The problem occurs if the user has the ***Save as*** window open and clicks on any other application, to switch focus away from the Biacore T200 Evaluation Software. When switching back again, the ***Save as*** window is hidden and the software is locked and cannot be accessed. (Ref. 3351)	Use the keyboard command **Alt + Tab** to switch between windows and access the ***Save as*** window. The issue does not occur when ***Save*** is used.

Software area	Description	Workaround
Method builder	An issue occurs when a Sample or General command is in a command sequence within an ***If...Then*** command. Keywords are not generated as intended for the Sample or General command. When the run is opened in the evaluation software, several error messages appear.	Do not use Sample or General commands within an ***If...Then*** command.
Concentration Analysis wizard	The order of the assay steps becomes incorrect if repetition settings are turned on for the ***Calibration*** step while turned off for the ***Control*** samples step. In this case control samples are run before the first calibration curve.	Use the same repetition settings for both control samples cycles and calibration cycles.
Regeneration Scouting wizard	When using the ***Regeneration Scouting*** wizard with capture, the generated plot shows the sample baseline instead of the capture baseline	
Tools	In rare situations, an error message can appear after a tool (like ***Desorb***) is completed, or when one step in the tool is completed: ***System.NullReferenceException: Object reference not set to an instance of an object. at BWToolDriver.WizMain.OnRunReady*** After closing this message, it may reoccur frequently until the instrument and PC have been restarted. (Ref. 3328)	Restart the instrument and PC and rerun the tool.

Software area	Description	Workaround
Kinetic Screen ***Affinity Screen***	When performing ***Kinetic Screen*** or ***Affinity Screen*** evaluations with many samples, 1 Hz data collection frequency is recommended, as 10 Hz data might cause out of memory exceptions. The screen items are designed to handle up to 200 concentration series. A higher number of samples is not supported. Opening and saving files will take long and the software might exhibit erroneous behavior.	Use 1 Hz data collection frequency for runs with many samples that are to be evaluated with the ***Kinetic Screen*** or ***Affinity Screen*** items.
Kinetics/ Affinity	If using multiple R-max and then deleting the last R-max, the settings for the remaining R-max will be reset to default values.	
Kinetics/ Affinity	If an adjustment of the injection start event is performed after sensorgram data has been cut, the position from where the data has been cut is also adjusted.	Always perform adjustment of the injection start event before any cut of sensorgram data.
Plot	The axis unit is incorrect for plots that display molecular weight adjusted slope. The unit is 100*RU /Da while it should be 100*RU/sDa.	
Calibration-Free Concentration Analysis	When using tooltip in the trend plot, the ***File*** number is sometimes shown as number 0 instead of number 1.	
Sensorgram comparison	When a comment is copied from one row to another in the result summary table, the data is pasted in an adjacent cell.	Write a new comment and do not use copy/paste.
Sensorgram comparison	When the % deviation algorithm is used, the result plot is not immediately synchronized with the result table.	Click on a row in the result table to synchronize the plot data.
Sensorgram comparison	A display error can occur when using multiple injection files with a ***Dual*** injection.	To avoid this error, a non-zero dissociation time must be set in the ***Dual*** injection.

Software area	Description	Workaround
Export curves	Fitted curves have a limit in the number of data points that can be exported using right click menu on a chart. Exported fitted curves are truncated at 32767 points, which corresponds to about 55 minutes in 10 Hz, and the last points are lost. (Ref. 1919)	
Ligand levels	When using user-defined report points in combination with capture corrections in the result plot, the ligand level value will be incorrect if the user-defined report point name begins with ***baseline*** or ***capture***.	
Backward compatibility	Evaluation files or evaluation methods created before version 3.0 will not be fully compatible if they contain plot items. Plot items from earlier evaluation files will be displayed as QC-plots.	
N/A	It is not supported to run the Biacore T200 Control Software while using the *Fast user switching* functionality in Windows.	

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