



NPX™ Signature software version 2.2

Release Notes Description

We are excited to share the latest update of the **NPX Signature software: v 2.2**, following the successful launch of NPX Signature v2.0 in February. Your feedback has been invaluable, and we've been working hard to enhance your experience. Here's what's new in this release:

Key Changes in NPX Signature v 2.2:

- **Expanded Sample Manifest Capabilities:** One Sample Manifest can now handle up to 40 plates. Sample ID can be empty for the Sample Type NOT_USED. Sample ID and can be duplicated across plates for Sample Type NOT_USED and External Controls.
- **Plate Navigation:** improvements include intuitive plate selection via Tree View.
- **New Features:** Raw Intensity 1 and 2 are displayed in Heat Map view.
- **Improved Usability:** automatic panel detection during project creation, support for importing multiple run files, keyboard shortcuts, and persistent scroll positions.
- **Terminology Updates and Visual Refinements :** Enhancements such as color coding and renamed headers, further improved usability and consistency.
- **Help texts:** added across the NPX Signature software to make features easier to understand and use.

To access the new improvements listed above, it is mandatory to upgrade to NPX Signature software version 2.2. Please see Details section for more information. In general, Olink recommends always operating Olink products using the latest version available.

Reagent Lot Releases

Target reagent lots released after February 2025 will be supported by NPX Signature software v2.0.2 onwards only. For **Target**, a **Panel Data Archive file** must be used, which is a **.dat file** that includes all Target 96 and Target 48 panel data files. To access the file go to: <https://olink.com/software/download>. By maintaining the panel data file/archive as individual files, users can utilize new lots independently of software version releases.

Note: Please ensure transition to NPX Signature v2.0.2 onwards before you need to use a reagent lot released after February 2025.

Please contact Olink Support at support@olink.com for any questions, feedback, or guidance.



Details

Project

Summary	Description
Panel Detection	During the Project creation, the Panel is automatically detected if the run data is annotated with assay names.
Run Data	Multiple Run files can be imported to an existing project in a single operation via the “Options” menu.
Backwards compatibility	Limited backwards compatibility between NPX Signature v2.2 and v2.0. A project created and saved in NPX Signature v2.2 cannot be opened in NPX Signature v2.0 when it includes either a Flex panel, Target 48 panel with less than 48 assay or Target 96 panel with less than 96 assays in total.

Sample Manifest

Summary	Description
Sample ID	<ul style="list-style-type: none">• Sample ID can be empty for SampleType NOT_USED.• SampleID for Sample Type Eternal Controls and NOT_USED:<ul style="list-style-type: none">○ Can be duplicated across plates○ Must be unique within a plate• SampleID for Sample Type Customer Samples must be unique within a single Sample Manifest
Number of Plates	Up to 40 plates can be defined in one Sample Manifest file.

Views

Summary	Description
Project Details	“Details” is removed, and content has moved to “Overview” (under Project) and “Analysis Report Input” (under Options).



Plate Details	<ul style="list-style-type: none">• Plate view has index axes displayed to identify the wells: Row A-H and column 1-12.• Legend for Sample Type is included.
QC Summary	<ul style="list-style-type: none">• “Proteins >75%” column is removed. The information is still available in Project Metrics view.• Notes column renamed to “Plate notes”• Informational text added about internal controls• Plates are sorted first by panel and second by Plate ID.
Sample QC	<ul style="list-style-type: none">• Run QC is selected by default before Assay QC.• Improved explanatory text for “Reason”.• “Incubation Control” is renamed to “Incubation Control 1”.• Performance improvements of the plot.• Improved color contrast for Detection control.
Plate Details	<ul style="list-style-type: none">• Sample Type is added for external controls.
Workspace	<ul style="list-style-type: none">• “Back” and “Next” buttons are removed. To Navigate in the table a Scrollbar is available.• Possible to pick any combination of sample/assay/datapoint with the same selection via CTRL click.• When changes are made the vertical & horizontal scroll positions are kept.• Scroll positions are kept when switching to another view.• Warned is now displayed as orange instead of yellow.• Warned Assay status is not displayed when selecting “All plates “.• Samples are annotated with well index.• Sample Type selector introduced and replaced filter function.• Performance improvements.• The “All Plates” function is replaced with the new plate navigation. Selecting a panel only is selecting all plates for that panel in the project.• After selecting a whole Sample or Assay, individual datapoints can be excluded or included via CTRL click without selecting or de-selecting the whole Sample or Assay again.• Display of Internal control assays are unaffected from quantifiable range (not highlighted).
Amplification Curve	<ul style="list-style-type: none">• “Back” and “Next” buttons are removed. To Navigate in the table a Scrollbar is available.• Warned is now displayed as orange instead of yellow.



	<ul style="list-style-type: none">• Samples are annotated with well index.• Warned Assay status is not displayed when selecting “All plates “.• Scroll positions are kept when switching to another view.• Sample Type selector introduced and replaced filter function.• Performance improvements.• The “All Plates” function is replaced with the new plate navigation. Selecting a panel only is selecting all plates for that panel in the project.• Progress bar is displayed when loading the amplification curves takes a long time.
Heat Map	<ul style="list-style-type: none">• Per default Assays are on the X-axis and Samples on the Y-axis. The orientation can be switched via a toggle, so that. Samples are displayed on X-axis and Assays on the Y-axis.• The “All Plates” function is replaced with the new plate navigation. Selecting a panel only in the tree view is selecting all plates for that panel in the project.• Manually failed data points are displayed gray and are excluded from the color scale factor calculation.• Raw Intensity 1 (FAM fluorescence at qPCR cycle 5) and 2 (FAM fluorescence at last qPCR cycle), when data is available. Not available for projects created in a former software version or migrated from a former software version.• Progress bar is displayed when loading the heat map takes a long time.
Detectability	<ul style="list-style-type: none">• % signed added to the legends were applicable.• Table header “Table Data” is renamed to “Limit of detection [NPX]“.• Performance improvements.



Analysis Report

Summary	Description
Panel Information	<ul style="list-style-type: none"> A new column named Panel is added to sample table and assay table in the Observed Deviations-section in the Analysis Report. The rows are sorted first by Panel than by Plate ID and last by sample ID or assay.

User Interface & Terminology

Summary	Description										
Project and Plate Navigation	<ul style="list-style-type: none"> Improved Plate Navigation: Select the panel and below the panel .are all plates available for selection. Selected panel-plate is displayed under project name on the top. Keyboard shortcuts to switch between panels or plates are introduced: <table border="1"> <thead> <tr> <th>Key Combination</th><th>Behaviour</th></tr> </thead> <tbody> <tr> <td>Shift + Ctrl + .</td><td>Navigate downwards though panels and select first plate.</td></tr> <tr> <td>Shift + Ctrl + ,</td><td>Navigate upwards though panels and select first plate.</td></tr> <tr> <td>Ctrl + .</td><td>Navigate/selects downwards through plates, if panel collapsed it will expand and select next one. At last plate it remains in same position.</td></tr> <tr> <td>Ctrl + ,</td><td>Navigate/selects upwards through plates. At first plate it remains in same position.</td></tr> </tbody> </table>	Key Combination	Behaviour	Shift + Ctrl + .	Navigate downwards though panels and select first plate.	Shift + Ctrl + ,	Navigate upwards though panels and select first plate.	Ctrl + .	Navigate/selects downwards through plates, if panel collapsed it will expand and select next one. At last plate it remains in same position.	Ctrl + ,	Navigate/selects upwards through plates. At first plate it remains in same position.
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Terminology	<ul style="list-style-type: none"> "Modify Project Data" is renamed to "Options". "Set panel versions" is renamed to "Select Panel Data". Notes column in QC Summary is renamed to "Plate notes". Table header "Table Data" in Detectability view is renamed to "Limit of detection [NPX]". 										
Colorcode	The "Warned" status is displayed as orange instead of yellow.										
Modify Project Data	This menu is renamed to "Options" and a new option is added "Analysis Report Input" to add manually the information which was previously entered in "Project details".										



Help Texts	Contextual help texts are added throughout the NPX Signature software better guidance. These inline explanations provide quick explanations on key features, fields, and actions—so you can get things done faster, with more confidence.
Confirmation windows	Harmonized behavior for confirmation pop-up windows. Need to confirm before continuing using NPX Signature software is enabled.

Thank you for your attention to this important update. We look forward to bringing you the enhanced capabilities of NPX Signature software v2.2. Should you have any questions or require further assistance, please do not hesitate to contact our customer support team at support@olink.com.

Best regards,

The Olink NPX Signature Team



Known Issues addressed in NPX Signature v2.2

Amplification Curve

The Amplification Curve view showed the wrong samples for Target 48 Mouse Cytokine panel, when the study was migrated (1. Create a study in NPX S v1.x & save. 2. Open and migrate into NPX S v2.0) to NPX Signature v2.0 only. This data export was not affected. From NPX Signature v2.2 on this is solved and displays the correct sample graph.

Analysis Report formatting

Some texts were not correctly formatted and overlaid so that they are not readable. Import of customized logo was in some cases distorted. From NPX Signature v2.2 on this is solved and correctly displayed.

Run Date changes

In Plate Details view the timestamp of the run (run date & time) exported by the Olink Signature Q100 is reflected. In NPX Signature v2.0.2 the time stamp (run date) was displayed correctly till the project was saved and reopened. Then the run date displayed is changed and is incorrect (offset of minus one or two hours). This effect was affecting all Olink Target, Flex and Focus panels. This problem is fixed in NPX Signature v2.2 and the run date and time are displayed correctly before and after saving and reopening a project.

Known Issues in NPX Signature v2.2

This is hereby stated that all functions of NPX Signature v2.2 have undergone internal evaluation and are confirmed to be functioning properly with this known issue.

Analysis Report with excluded plates

In a project without plates the export Analysis Report function is disabled. When the project includes one or more plates and all of them are set to status excluded the export Analysis Report function is enabled but it is not possible to generate an Analysis Report, instead an error message will be displayed.

Olink® Target 48 Immune Surveillance Migration

Studies created in NPX Signature v1.x can be migrated in NPX Signature v2.2.

NPX Signature studies of Olink® Target 48 Immune Surveillance (panel data file version 935001) are an exception. This panel includes not released hidden assays and therefore cannot be migrated



in NPX Signature v2.x. . For studies including Olink® Target 48 Immune Surveillance, a new project must be created in NPX Signature v2.x. and the run data file imported and re-analyzed.

If an Olink® Target 48 Immune Surveillance v1.x study is migrated in NPX Signature v2.2, an error message “*An error has occurred Panel Olink Target 48 Immune Surveillance includes 48 assay. Found only 47 data points*” will appear.

If an Olink® Target 48 Immune Surveillance v1.x study is migrated in NPX Signature v2.0.2, an error message “*Error Something went wrong when trying to migrate project: Panel Olink Target 48 Immune Surveillance includes 48 assay. Found only 47 data points*” will appear.