This guide contains instructions for creating custom panels* in BD FACSTM SPA software (versions 3.0.1 and 4.0.1) and modifying custom panels* in BD FACSDiva™ software (version 6.1.3) for use with the BD FACSLink™ laboratory information system (LIS) interface.

Initial Setup

In SPA software, custom panels can be created in any user account with administrative privileges. In BD FACSDiva software, custom panels can be created in any user account. Once created, the custom panels can be used by all user accounts.

If you plan to import SPA worklists into BD FACSDiva software, you must create identical panels in both SPA software and BD FACSDiva software.

Creating a Custom Panel in BD FACS SPA Software

1. Start SPA software and log in.
2. Select Setup > Panel Editor.
3. Create a new category if needed.
4. Create a new panel and rename it.
   * Note: Ensure the panel name is identical to the name of the corresponding panel in BD FACSDiva software and limit the total number of characters to 15 or fewer.
5. Select Other Panel.

Creating Tubes for a Custom Panel

1. With the custom panel selected, click New Tube.
2. Edit the new tube that appears.
3. Specify a tube name and sample and lyse volumes.
4. Access the Reagent List and drag reagents, one at a time, from the Reagent List to the Reagent field in the Tube Editor.
Specify an appropriate volume for each reagent in the Tube Editor.

In the Tube Editor, click Apply.

Click Close to close both the Tube Editor and the Reagent List.

Repeat steps 1 through 6 to create additional tubes for the custom panel.

In the Panel Editor, select the custom panel and specify the reagent and lyse incubation times.

Click OK to close the Panel Editor.

Creating a Custom Reagent Rack

Select Setup > Reagent Rack Editor.

Create a new rack and rename it.

With the new rack selected, click Edit Rack.

Click Reagent List to display the Reagent List.

Drag reagents, one at a time, from the Reagent List to the Rack Map Editor.

Specify the rack position for each reagent.

Add a rack and specify the position of reagents on the rack, if needed.

Close the Rack Map Editor and the Reagent Rack Editor.

Exit the software.
Modifying and Exporting a BD FACSDiva Custom Panel

1. Start BD FACSDiva software and log in.

2. Create a new experiment and add a panel (specimen) by selecting **Experiment > New Specimen**.

   ![Select the custom panel you want in Panel Templates and click OK to add it to the experiment.]

3. Verify that the **SAMPLE ID** is displayed in the statistics view.

   If not displayed, right-click the statistics view, select **Edit Statistics View**, and select **SAMPLE ID** under the **Header** tab.

4. Export the custom panel.

   ![Select the global worksheet you want to include with each tube in the panel.]

   ![Specify a name for the panel, limiting the total number of characters to 15 or fewer.

   Ensure the panel name is identical to the name of the corresponding panel in BD FACSDiva software.
Importing a BD FACSDiva Custom Panel into BD FACSLink (Instrument Manager) Software

1. Start Instrument Manager software and log in.
2. Select the appropriate connection in the Status Display dialog.

Select the DIVA connection and then click the Detail Highlighted Connection button.

3. Display the BD FACSLink window and import the custom panel.

Click the Options button.

Click Import to add a custom panel in BD FACSLink software.

Creating and Exporting a BD FACSLink Worklist

1. Create a new worklist.

Click the New Worklist button.

Select the appropriate worklist type.
2 Enter the appropriate information in the Specimen ID, Panel, and Carousel ID fields.

3 Export and save the worklist.

4 Exit the software.

Completing Custom Panel Setup in BD FACSDiva Software

1 Start BD FACSDiva software and log in, if needed.
2 Select File > Import > Worklist to import the worklist from BD FACSLink software.
3 Set the current tube pointer on a tube and right-click a statistics view to display the Edit Statistics View dialog.
4 Select the appropriate choices under the Header tab.

5 Export the custom panel again, overwriting the previous version.
6 Exit the software.

Once the initial custom panel setup is completed in BD FACS SPA and BD FACSDiva software and the BD FACSDiva panel has been imported into BD FACSLink software, you can begin using the custom panel. See the Quick Reference Guide for Using Custom Panels with BD FACS SPA and BD FACSDiva Software and the BD FACSLink LIS Interface for additional information.