Job Aid

BD FACSuite™ Application: Transferring user-defined assays to subsequent BD FACSLyric™ Systems

This job aid contains instructions for transferring user-defined assays from a primary BD FACSLyric™ Cell Analyzer to subsequent cytometers using BD FACSuite™ Application version 1.6* or higher. For additional information, see the *BD FACSLyric™ Reference System*.

Before you begin

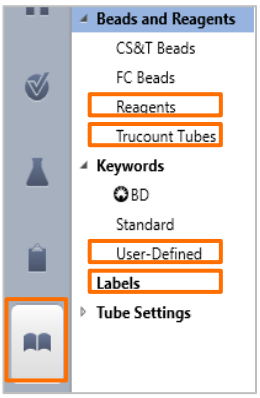
- Ensure that the configurations from the subsequent systems match the primary system. If needed, add parameter names to the configuration. For additional information, see the *BD FACSLyric™ Reference System* or the *BD FACSuite™ Application: Adding new fluorochromes to a configuration* job aid.
- Ensure that the subsequent systems are running the same version of BD FACSuite™ Application or higher. Find the application version by selecting **Help > About.**
- Run the Performance QC task on all cytometers and the Assay and Tube Settings Setup task on the primary cytometer.

TIP Login as an administrator for full access to software features.

Exporting elements from the primary BD FACSLyric™ Cell Analyzer

Export the following Library panel elements to a shared file location or external storage device.

1. Expand **Beads and Reagents**.
   a. Click **Reagents.** Select all the reagents.
   b. Select **File > Export** then click **Save** for each individual file.
   c. If needed, click **Trucount Tubes** and export the current bead lots.

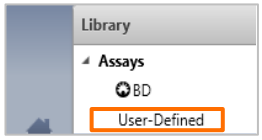


2. Expand **Keywords,** then click **User-Defined.**

3. Select **File > Export** to save the file.
   All user defined keywords will be exported in a single file.

4. Click **Labels.**

5. Select **File > Export** to save the file.
   All user defined labels will be exported in a single file.



6. Expand **Assays**, then click **User-Defined Assays.**

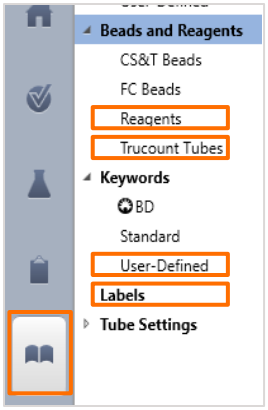
7. Select the assay then select **File > Export.**

* For earlier versions of BD FACSLyric™ Application, steps may differ. See the *BD FACSLyric™ Reference System* for your version.

Setting up the subsequent BD FACSLyric™ Cell Analyzers

Next, you will import elements, set assay preferences and set up tube settings. For assays with user-defined reference settings using dedicated spillover measurements, you will also create a new reference setting and update the assay.

Importing files



1. Import the reagents, trucount tubes (if needed), keywords and label files you previously exported to the appropriate Library section.

   NOTE Do not import the assay file at this time.

   a. Select the appropriate Library section.

   b. Select **File >Import.** Navigate to the appropriate storage location, then select the exported file.

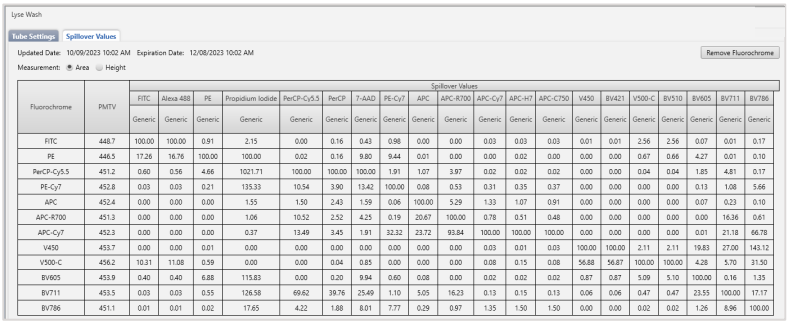
   c. Click **Open**.

   d. Repeat steps a through c for each file.

2. Enter any additional new reagent lot information not included in the imported reagent file, if needed.

Importing the assay

Before importing the assay, you will need to ensure that the Lyse Wash settings contain the appropriate spillover values.



1. Ensure that your settings contain the appropriate spillover values.
   View the Lyse Wash tube settings spillover values tab in the Library to verify the spillover values.

2. For any new fluorochromes or lot-specific spillover values not in the Lyse Wash Settings, perform the Add Fluorochrome task to acquire the single stain controls.

   See *Adding fluorochromes to a reference setting* in the *BD FACSLyric™ Reference System* for instructions.

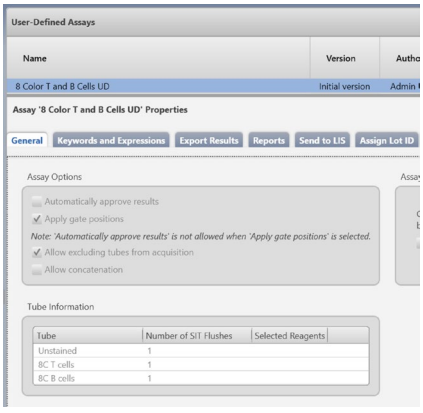
3. Import the assay.

   a. In the Library, select **User-Defined Assays**.

   b. Select **File > Import.**

   c. Navigate to the appropriate storage location and select the assay file. Click **Open.**

Setting assay preferences



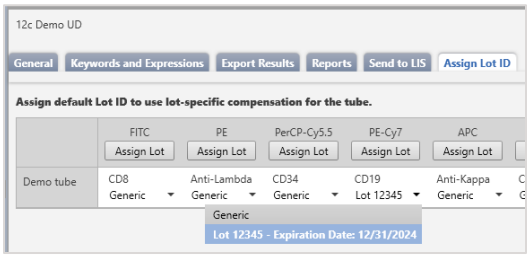
1. In the Library, expand **Assays** and select **User-Defined**.

2. Select the assay you just imported and click **Edit**.

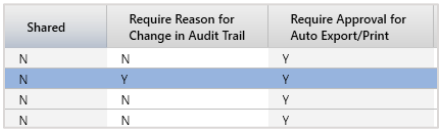
3. Verify that the Assay Properties are correct.

Setting the assay preferences, continued

1. Select the **Assign Lot ID** tab and verify the current reagent lot ID for lot-specific spillovers. Click **Done.**



2. Right-click the assay to enable/disable the Require Approval for Auto Export/Print and Require Reason for Change in Audit Trail.



Running the Assay and Tube Setting Setup task

Standardize the tube settings by running assay and tube settings setup.

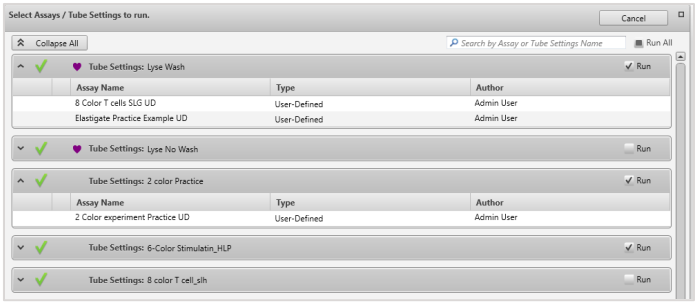
1. In the Setup and QC workspace, select **Assay/Tube Settings Setup** from the Task menu.

2. Select the appropriate CS&T bead lot.

3. Click **Select** and select the appropriate tube setting(s) to run.

4. Click **Start** and load the prepared CS&T bead tube when prompted.

5. Review the Assay Setup Report when the task has completed.



Creating or updating an assay with new UD reference settings

Spillover measurements are cytometer specific. Imported user-defined reference settings will import as tube settings and require new spillover measurements for use in subsequent cytometers.

1. On the Manage Experiments tab, select **New from Assay.** Select the transferred assay and click **Open**.

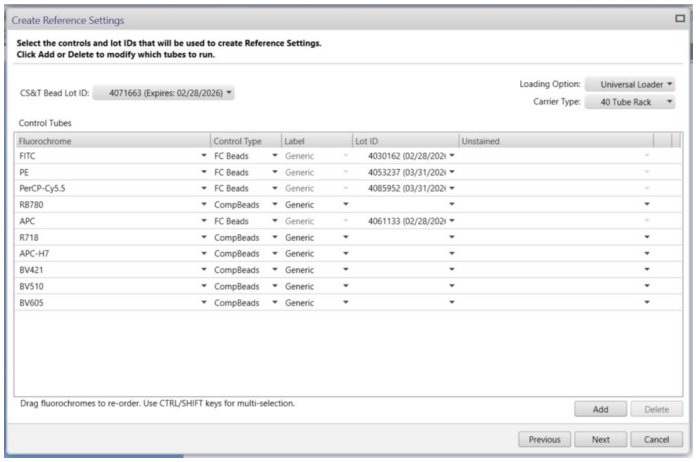
2. Right-click the tube and select **Create Reference Settings.**

3. Rename the reference settings. Click **Next**.

4. Acquire the appropriate single-stained controls.

5. Click **Finish** when you have completed acquiring the controls.

6. Select **File >Update Assay** or **File > Create Assay.**



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