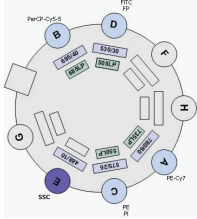
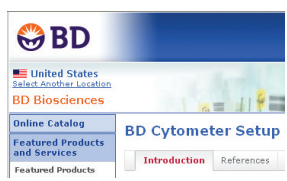

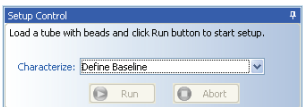

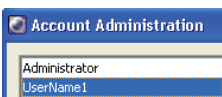


This guide contains instructions for using BD FACSDiva™ software version 8.0 and later. Use the following table to determine when to perform each administrative task.



Helping all people live healthy lives

Administrative Task	Function	When Performed																				
<p>Create custom cytometer configurations</p> 	<p>Defines a software configuration map that matches your cytometer setup. Custom configurations can be created for the different filter, mirror, and fluorophore combinations or cytometer-specific information used in your lab.</p>	<ul style="list-style-type: none"> Initially for any fluorochromes, mirrors, filters, sheath pressures, or sort setups not defined in the base configuration If your lab uses a new fluorochrome, mirror, filter, sheath pressure, or sort setup not previously defined If you change the physical configuration of your cytometer, ie, add a new detector or laser 																				
<p>Download a new bead lot ID</p> 	<p>Downloads the bead lot information from the BD Biosciences website to the appropriate folder on your computer.</p>	<p>When you receive a new bead lot that is not in the default bead lot folder</p>																				
<p>Import the bead lot ID</p> 	<p>Brings bead lot information into the software.</p>	<ul style="list-style-type: none"> Initially When you receive a new bead lot 																				
<p>Define the cytometer baseline measurements</p> 	<p>Defines the baseline performance of your cytometer by measuring linearity, detector efficiency (Qr), optical background (Br), and electronic noise. Also sets the laser delays and PMT voltages to their optimal values for your cytometer.</p>	<ul style="list-style-type: none"> Initially for each cytometer configuration When the baseline expires (by default, every 6 months) After major service is performed 																				
<p>Reset the target values</p> 	<p>Normalizes the performance check by resetting the target values of the new lot to the same target values as the existing lot.</p>	<p>When you receive a new bead lot and still need to use the current lot</p>																				
<p>Create a new user account</p> 	<p>Adds a new user account to the BD FACSDiva software login. Creating user accounts allows users to manage and protect their own data.</p>	<ul style="list-style-type: none"> Initially As new users are added in your lab 																				
<p>View the user tracking log</p> <table border="1" data-bbox="129 1837 462 1953"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>User Name</td> <td>Full Name</td> <td>Application</td> </tr> <tr> <td>2</td> <td>Administrator</td> <td></td> <td>BD FACSDiva Soft</td> </tr> <tr> <td>3</td> <td>User2</td> <td>UserName 2</td> <td>BD FACSDiva Soft</td> </tr> <tr> <td>4</td> <td>User1</td> <td>User Name1</td> <td>BD FACSDiva Soft</td> </tr> </tbody> </table>		A	B	C	1	User Name	Full Name	Application	2	Administrator		BD FACSDiva Soft	3	User2	UserName 2	BD FACSDiva Soft	4	User1	User Name1	BD FACSDiva Soft	<p>Tracks users' time for record-keeping or billing purposes.</p>	<p>As necessary</p>
	A	B	C																			
1	User Name	Full Name	Application																			
2	Administrator		BD FACSDiva Soft																			
3	User2	UserName 2	BD FACSDiva Soft																			
4	User1	User Name1	BD FACSDiva Soft																			

Cytometer Setup and Tracking Tasks

To start any of the following tasks, log in to BD FACSDiva software as Administrator or as another account with administrator privileges.

Creating a Custom Cytometer Configuration

- 1 Select Cytometer > View Configurations.

The screenshot shows the 'Cytometer Configuration' window. The 'Current Configuration' is '4-Blue 2-Violet 2-355UV 2-Red (BD default)'. The window has three tabs: 'Configurations', 'Parameters', and 'Filters and Mirrors'. The 'Configurations' tab is active, showing a tree view of configurations. A callout box points to the tabs with the text: 'Use the tabs to navigate through the window.' The main area displays a graphical representation of the configuration, including a circular diagram of the flow cytometer and three smaller diagrams for the 'Blue Laser (488nm) FSC', 'Violet Laser (405nm)', and 'Red Laser (633nm)'. A callout box points to this graphical representation with the text: 'View a graphical representation of the selected configuration.'

- 2 Create custom parameters, filters, and mirrors.

The screenshot shows the 'Parameters' tab in the 'Cytometer Configuration' window. The 'Parameters' list contains various parameters such as 'PE-Alexa 594', 'PE-Alexa 610', 'PE-Alexa 700', 'PE-Cy5', 'PE-Cy5.5', 'PE-Cy7', 'PE-mCherry', 'PerCP', 'PerCP-Cy5-5', 'PE-Texas Red', 'PI', 'Qdot', 'Qdot 525', 'Qdot 565', 'Qdot 585', 'Qdot 605', 'Qdot 655', 'Qdot 700', 'Qdot 705', 'Qdot 800', 'Texas Red', 'UV1', 'UV2', 'V450', 'V500', 'Violet1', and 'Violet2'. A callout box points to the 'Add' button with the text: 'Under the Parameters tab, click Add.' Below the list, there is a text input field with the text: 'Enter a new parameter name.' and 'Add' and 'Delete' buttons.

The screenshot shows the 'Filters and Mirrors' tabs in the 'Cytometer Configuration' window. The 'Filters' tab is active, showing a list of filters with columns for 'Pass Type' and 'Wavelength'. A callout box points to the 'Add' button with the text: 'Under the Filters and Mirrors tab, click Add.' The 'Mirrors' tab is also visible, showing a list of mirrors with columns for 'Pass Type' and 'Wavelength'. A callout box points to the 'Add' button with the text: 'Select a pass type and enter the wavelength.'

Pass Type	Wavelength
Band Pass	685/35
Band Pass	675/20
Band Pass	670/14
Long Pass	670
Band Pass	660/20
Band Pass	655/8
Band Pass	616/23
Band Pass	610/20
Band Pass	605/40
Band Pass	605/12
Band Pass	585/42
Band Pass	585/15
Band Pass	576/26
Band Pass	575/26
Band Pass	575/25
Band Pass	560/20
Band Pass	530/30
Band Pass	525/50
Band Pass	510/50
Band Pass	488/10
Band Pass	485/22
Band Pass	450/50
Band Pass	450/40
Band Pass	450/20
Band Pass	440/40
Band Pass	405/20
Band Pass	

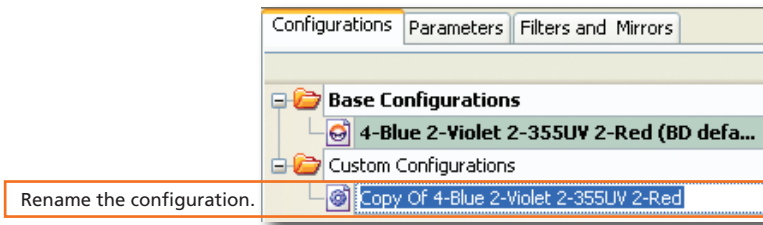
Pass Type	Wavelength
Long Pass	755
Long Pass	750
Long Pass	740
Long Pass	735
Long Pass	710
Long Pass	685
Long Pass	675
Long Pass	670
Long Pass	655
Long Pass	635
Long Pass	630
Long Pass	610
Long Pass	600
Long Pass	595
Long Pass	575
Long Pass	556
Long Pass	550
Long Pass	545
Long Pass	505
Long Pass	502
Long Pass	475
Long Pass	450

- 3 Under the Configurations tab, right-click **Base Configurations** and select New Folder.

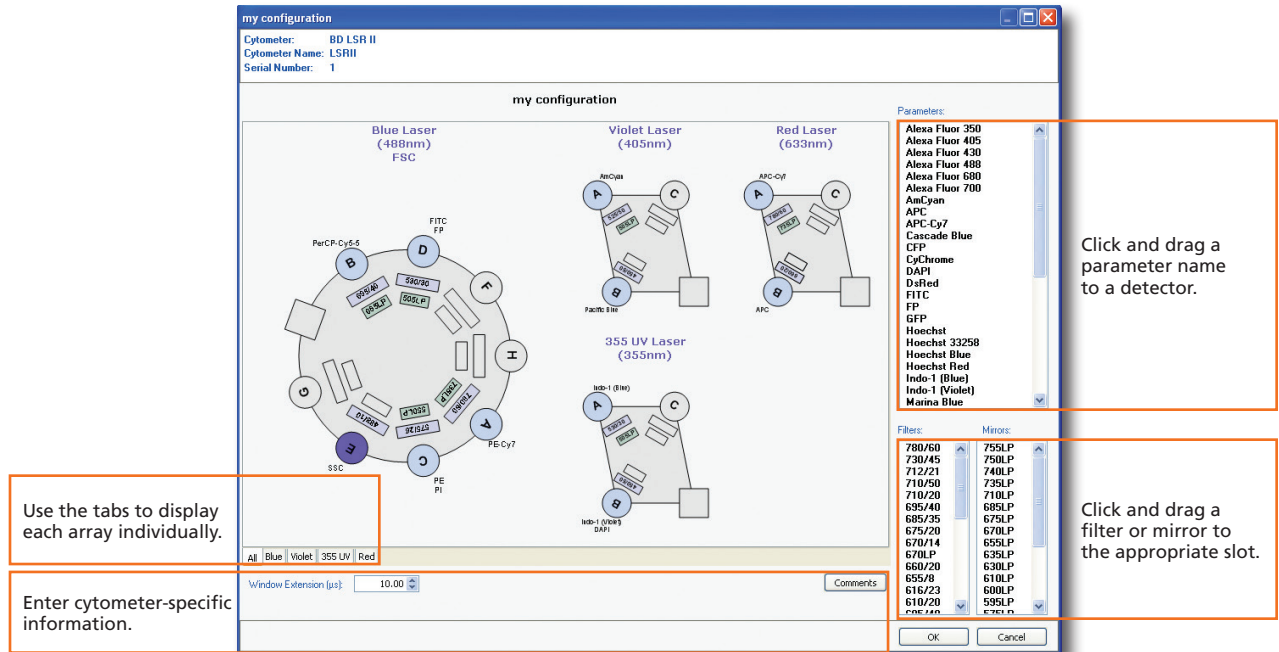
The screenshot shows the 'Configurations' tab in the 'Cytometer Configuration' window. The 'Base Configurations' folder is selected, and a 'New Folder' has been created. A callout box points to the 'New Folder' with the text: 'Rename the new folder.'

- 4 Right-click the base configuration icon (📁) and select Copy.

- Right-click the new folder and select Paste.



- Right-click the new configuration and select Edit Configuration.



- Click **OK** to save the edits.
- Click **Set Configuration** to make the new configuration the current configuration.

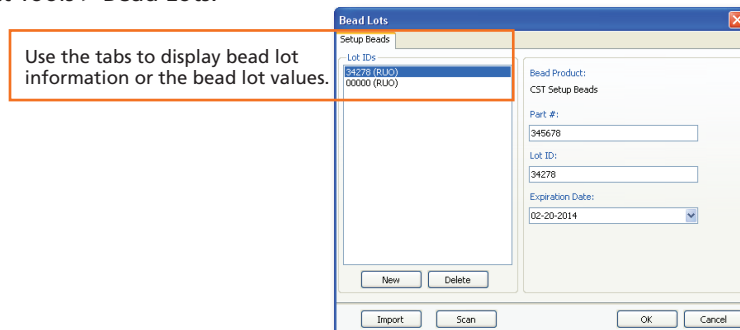
Downloading a Lot-Specific File

To obtain a lot-specific file for your current lot of CS&T research beads:

- Go to bdbiosciences.com/CSandT.
- Download the file to your workstation or appropriate transport medium, and then save the file to C:\Program Files\BD FACSDiva Software\CS\T\Bead Lot.

Importing Bead Lot Information

- Select **Tools > Bead Lots**.



- 2 Click **Import** .
- 3 Select the appropriate bead lot file. Click **Open** .
- 4 Click **OK** .

Defining a Baseline

Each cytometer configuration your lab uses needs a baseline defined. Minimally, baseline definitions expire and have to be re-run every 6 months.

- 1 Prepare the BD FACSDiva™ CS&T research beads according to the technical data sheet.
- 2 Select Cytometer > CST.

Verify the Cytometer Configuration and bead Lot ID.

If needed, select a different configuration or bead lot ID.

- 3 Click **Run** .
- 4 Load the tube of CS&T research beads when prompted to do so.

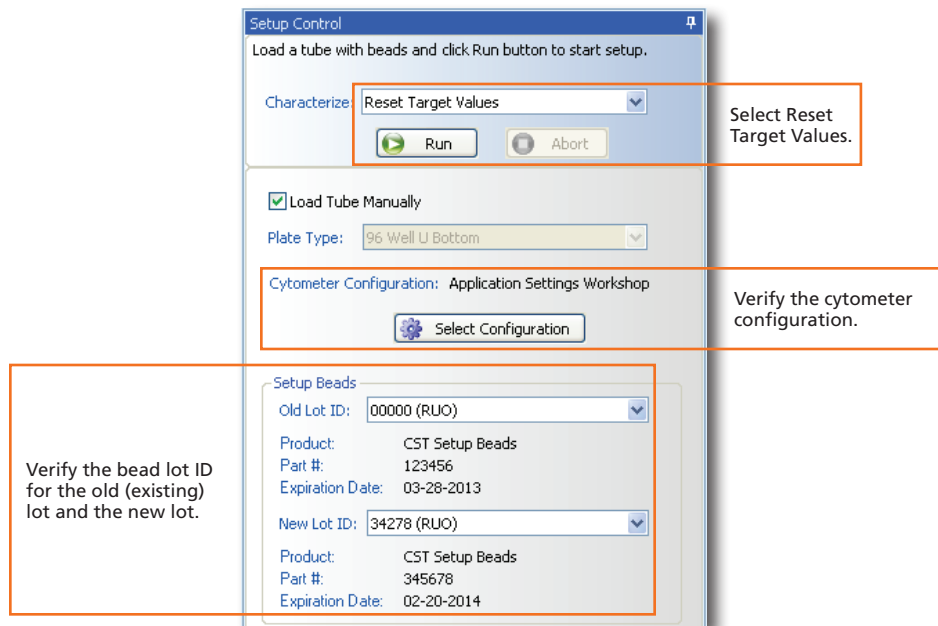
After a brief pause, the Running Cytometer Baseline window appears.

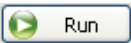
Cytometer baseline measurements are defined and calculated.

- 5 Click View Report to view the Cytometer Baseline Report. Troubleshoot, if necessary.

Resetting Target Values

- 1 Select Cytometer > CST.
- 2 Select Tools > Bead Lots and import the new bead lot.
- 3 Prepare the existing lot and the new lot of CS&T research beads according to the technical data sheet.



- 4 Click  .
- 5 Load the tube of the first lot of the CS&T research beads when prompted to do so.

After a brief pause, the Resetting Target Values window appears.



- 6 Click View Report to view the Cytometer Baseline Report (Reset Target Values). Troubleshoot, if necessary.

BD FACSDiva Software Tasks

Creating a New User Account

- 1 Log in to the software as Administrator or as another account with administrator privileges.
- 2 Select File > Administration.

Click Add.

Enter the new user information in the fields provided.

Set appropriate access privileges and type.

- 3 Click .

Viewing the User Tracking Log

- 1 Log in to the software as Administrator.

Select the Administrator user name.

- 2 Select File > User Tracking Log.
- 3 Select File > Exit to close the log.