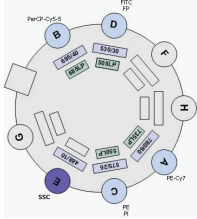
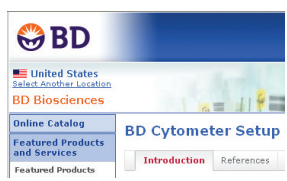

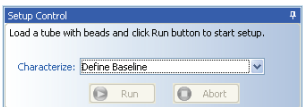

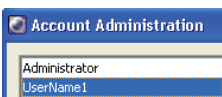


This guide contains instructions for using BD FACSDiva™ software version 8.0 and later. Use the following table to determine when to perform each administrative task.



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="126 1843 461 1948"> <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. At the top, it displays 'Cytometer: BD LSR II' and 'Current Configuration: 4-Blue 2-Violet 2-355UV 2-Red (BD default)'. Below this, there are tabs for 'Configurations', 'Parameters', 'Filters and Mirrors'. The 'Configurations' tab is active, showing a tree view of configurations. A callout box points to these tabs with the text: 'Use the tabs to navigate through the window.' The main area displays a graphical representation of the configuration, titled '4-Blue 2-Violet 2-355UV 2-Red (BD default)'. It shows four laser sources: 'Blue Laser (488nm) FSC', 'Violet Laser (405nm)', 'Red Laser (633nm)', and '355 UV Laser (355nm)'. Each laser source is connected to a series of optical components represented by circles and rectangles. A callout box points to this graphical representation with the text: 'View a graphical representation of the selected configuration.' At the bottom, there are buttons for 'Set Configuration', 'Print', 'Export', 'OK', and 'Cancel'.

- 2 Create custom parameters, filters, and mirrors.

The screenshot shows the 'Parameters' tab in the 'Cytometer Configuration' window. The 'Parameters' tab is active, showing a list of parameters. A callout box points to the 'Add' button with the text: 'Under the Parameters tab, click Add.' The list of parameters includes: 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. At the bottom, there is an input field for a new parameter name, with a callout box pointing to it: 'Enter a new parameter name.' Below the input field are 'Add' and 'Delete' buttons.

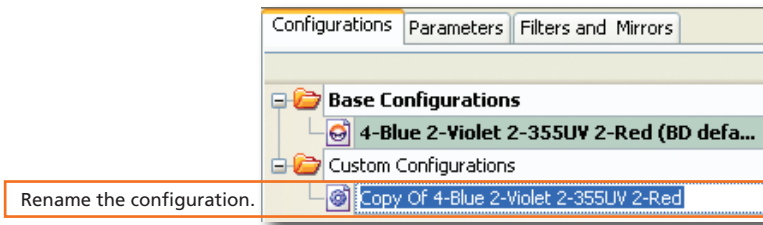
The screenshot shows the 'Filters and Mirrors' tabs in the 'Cytometer Configuration' window. The 'Filters' tab is active, showing a list of filters. A callout box points to the 'Add' button with the text: 'Under the Filters and Mirrors tab, click Add.' The list of filters includes: Band Pass, Long Pass, and other filter types with their respective wavelengths. A callout box points to a 'Band Pass' filter with the text: 'Select a pass type and enter the wavelength.' Below the list are 'Add' and 'Delete' buttons.

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

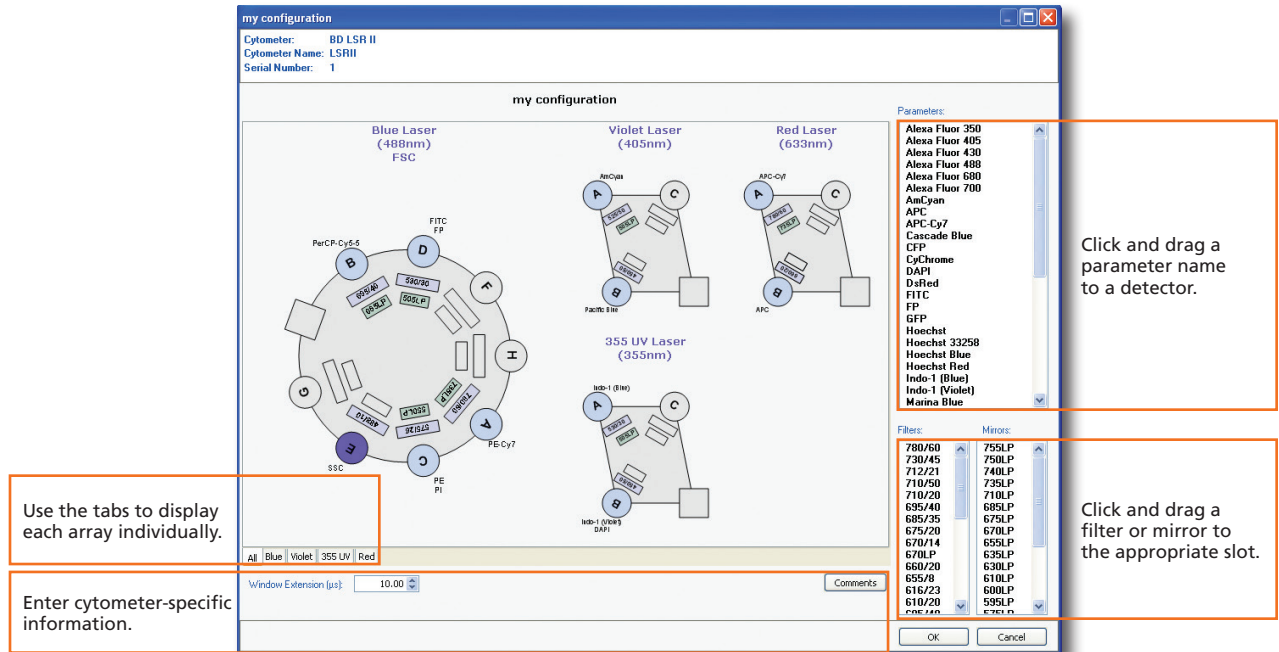
The screenshot shows the 'Configurations' tab in the 'Cytometer Configuration' window. The 'Configurations' tab is active, showing a tree view of configurations. A callout box points to the 'New Folder' button with the text: 'Rename the new folder.' Below the tree view, there is a text input field for renaming 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 to save the edits.
- Click to make the new configuration the current configuration.

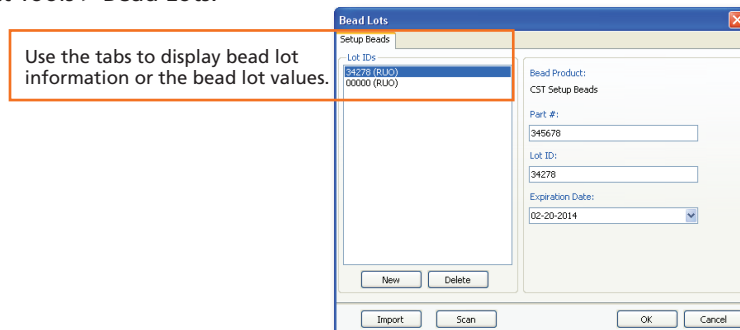
Downloading a Lot-Specific File


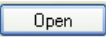
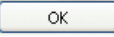
To obtain a lot-specific file for your current lot of CS&T research beads:

- 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.

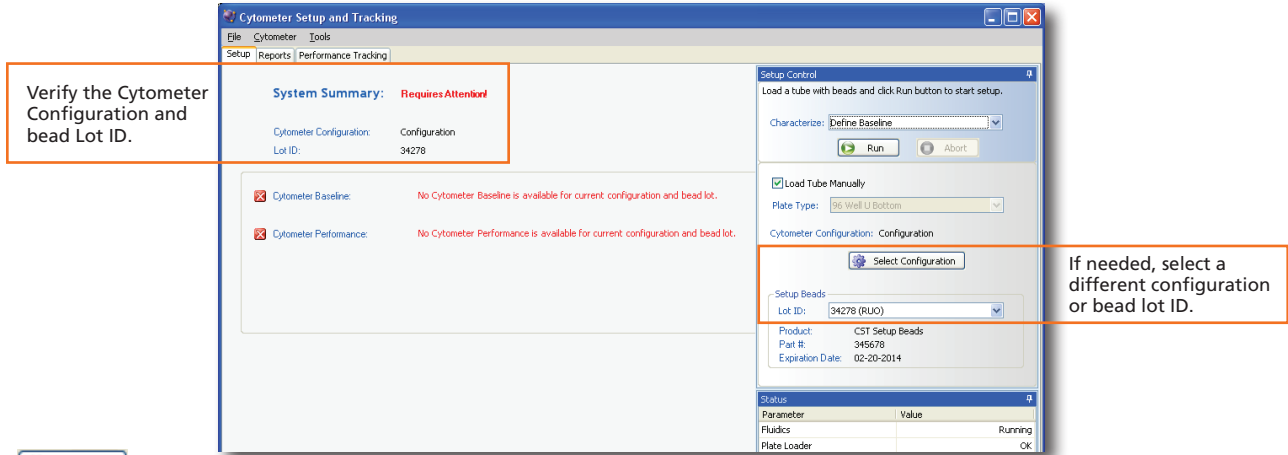


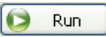
- 2 Click  .
- 3 Select the appropriate bead lot file. Click  .
- 4 Click  .

Defining a Baseline

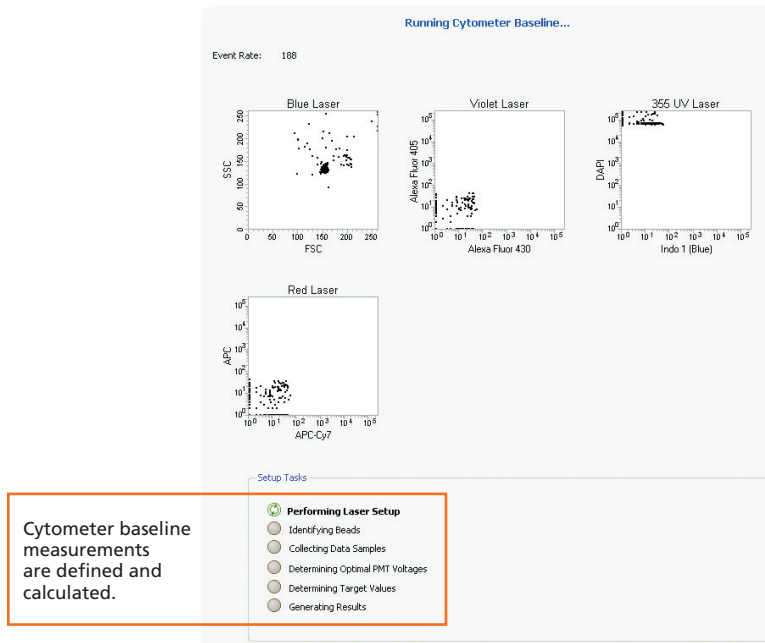
Each cytometer configuration your lab uses needs a baseline defined. Minimally, baseline definitions expire and have to be re-run every 6 months.

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



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

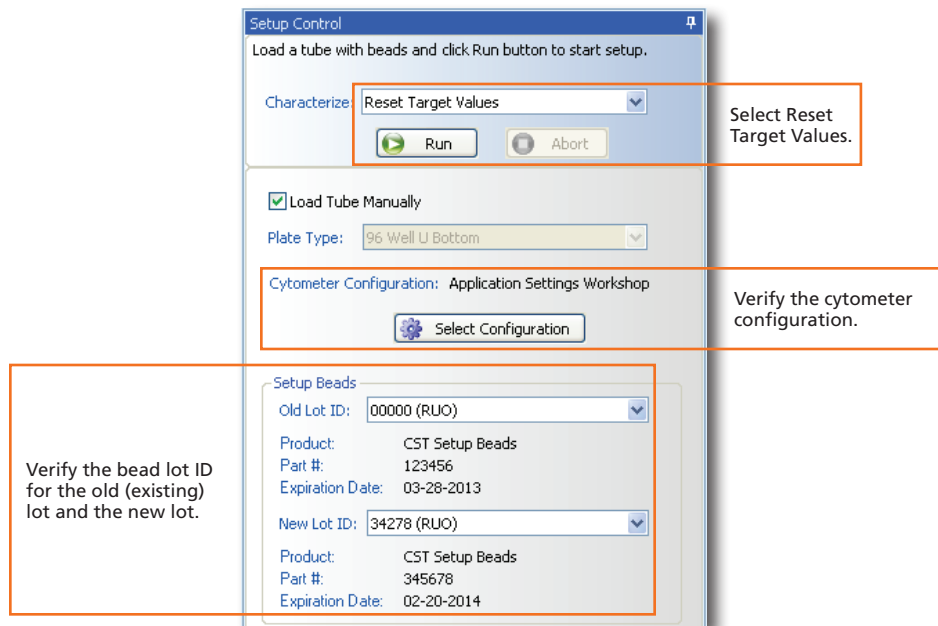
After a brief pause, the Running Cytometer Baseline window appears.

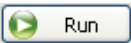


- 5 Click View Report to view the Cytometer Baseline Report. Troubleshoot, if necessary.

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.