

Job Aid

BD FACSDiscover™ A8 Cell Analyzer: Creating a new experiment

This job aid contains instructions for how to create a new Imaging or High-Speed Experiment in BD FACSCorus™ Software. For additional information, see the *BD FACSDiscover™ A8 Cell Analyzer with BD CellView™ and BD SpectralFX™ Technology User's Guide*.



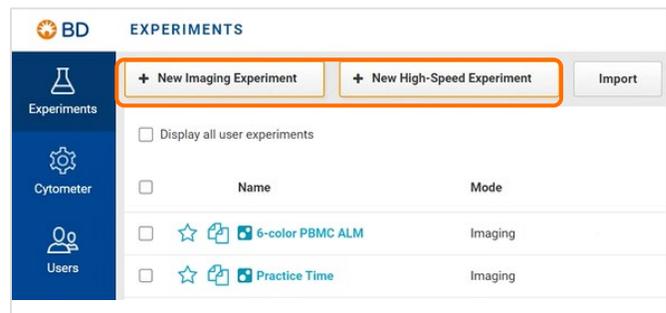
Before you begin

Start up the system and run a daily or extended fluidics startup procedure.

Creating an experiment

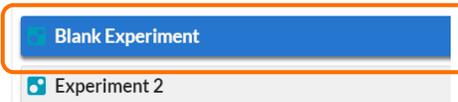
Adding an experiment

1. Click **Experiments** on the navigation bar.
2. Click either **+ New Imaging Experiment** or **+ New High-Speed Experiment**.
 - If you have previously created templates, select **Blank Experiment** in the New Experiment dialog, then click **Create Experiment**.
 - If you have not created templates, a new, default experiment is created.



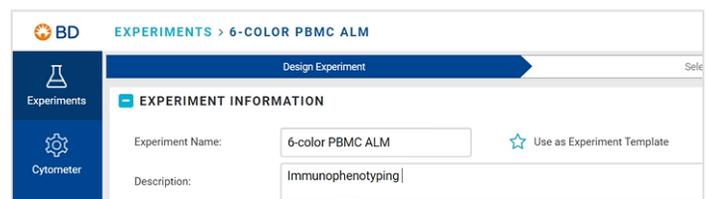
NEW IMAGING EXPERIMENT

Select the experiment template that you want to use.



Designing the experiment

1. Enter an experiment name under Experiment Information.
2. Enter a description, if needed.



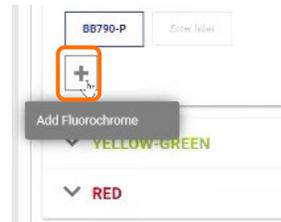
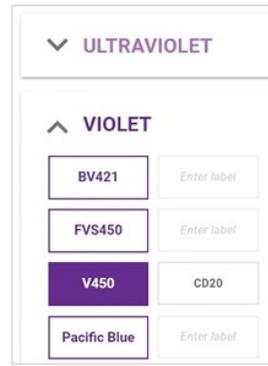
Designing the experiment, continued

- In the Select Your Dyes panel, expand the laser rows to view the fluorochromes.
- Select the fluorochrome names needed for your experiment.

TIP You can add additional fluorochromes at the bottom of the list. Click the plus icon and enter the new fluorochrome name and maximum emission..

NOTE Fluorochromes must be added under the blue laser to be available for imaging (imaging experiments only).

- (Optional) Click **Enter label** to add appropriate labels for each selected fluorochrome.



New Fluorochrome

Laser: Blue

Peak:

Name:

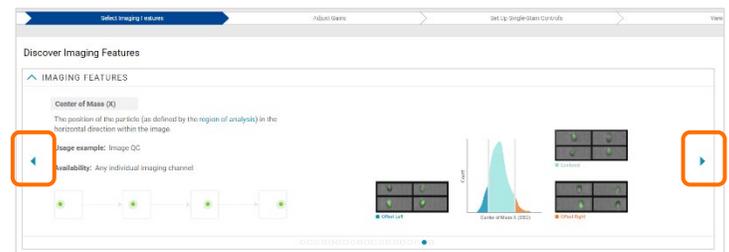
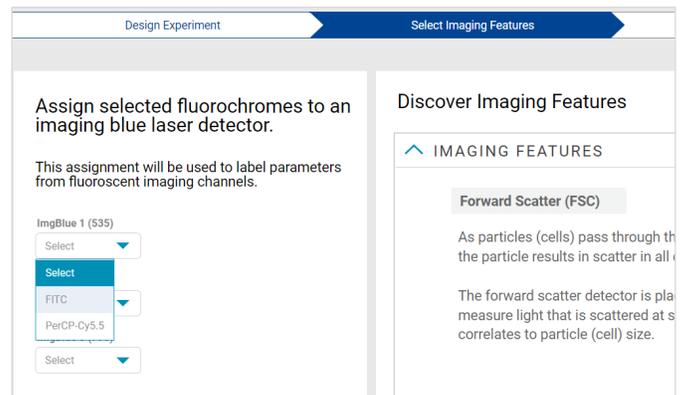
Selecting imaging features (imaging experiments only)

If your experiment contains fluorochromes that are excited by the blue laser, you can choose to collect images and imaging feature data for those fluorochromes. For a non-imaging experiment, you can skip these steps.

- Click the **Select Imaging Features** tab.
- In the drop-down menus, assign a selected fluorochrome to the appropriate imaging detector.
 - Select ImgBlue 1 (535) for a fluorochrome emitting between 511–557 nm.
 - Select ImgBlue 2 (600) for a fluorochrome emitting between 570–630 nm.
 - Select ImgBlue 3 (790) for a fluorochrome emitting between 675–900 nm.

NOTE Forward Scatter (FSC), Side Scatter (SSC), and Light Loss (Imaging) detectors are available by default and cannot be deselected.

- (Optional) Click the arrows on the carousel to explore the different imaging features.
- Return to this page as often as needed throughout the experiment workflow to view these slides.



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