

Job Aid

BD FACSDiscover™ A8 Cell Analyzer: Performing a daily clean and system shutdown

This job aid contains instructions for how to perform a daily clean followed by a system shutdown. A daily clean uses a 10% bleach solution followed by DI water to clean the sample line.

NOTE We recommend performing a separate Daily Clean procedure at the end of each experiment, between users, and before shutting down.

A daily shutdown cleans and rinses the fluidic system with a 10% bleach solution. 1.5% BD® Detergent Solution is used for the last step before logging out of the software and turning off the system.

For additional information, see the Maintenance section in the *BD FACSDiscover™ A8 Cell Analyzer with BD CellView™ Image Technology and BD SpectralFX™ Technology User's Guide*.



Materials needed

Daily clean

- A tube containing 2 mL 10% bleach solution
- A tube containing 3 mL of Deionized (DI) water
- A tube containing 2 mL of Deionized (DI) water

Daily shutdown

- A tube containing 2 mL 10% bleach solution
- A tube containing 3 mL of 1.5% BD® Detergent Solution diluted from BD® Detergent Solution Concentrate.

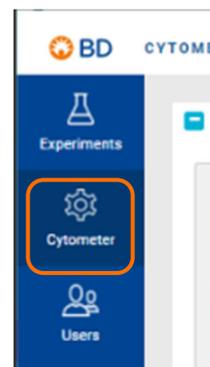
NOTE Do not dilute the entire bottle of BD® Detergent Solution Concentrate. Follow the instructions on the label for correct dilution information and see the safety data sheet regarding handling.

NOTE Do not use the same tube repeatedly for DI water or bleach during the daily clean procedure. Repeated use can cause wear on the tube, and the resulting particles can damage the tube sensor in the manual tube port or the loader.

CAUTION Never mix BD® Detergent Solution and bleach because it can create dangerous fumes.

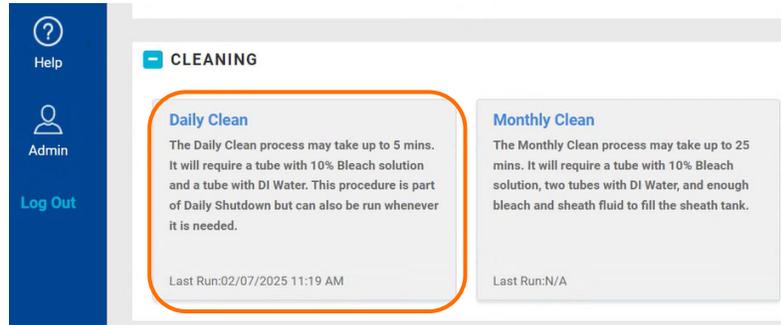
Performing a daily clean

1. In the navigation bar, click **Cytometer** to go to the Cytometer page.



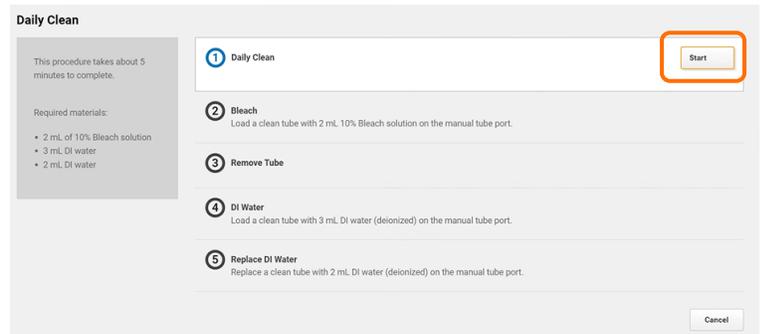
Performing a daily clean, continued

2. Click **Daily Clean**.



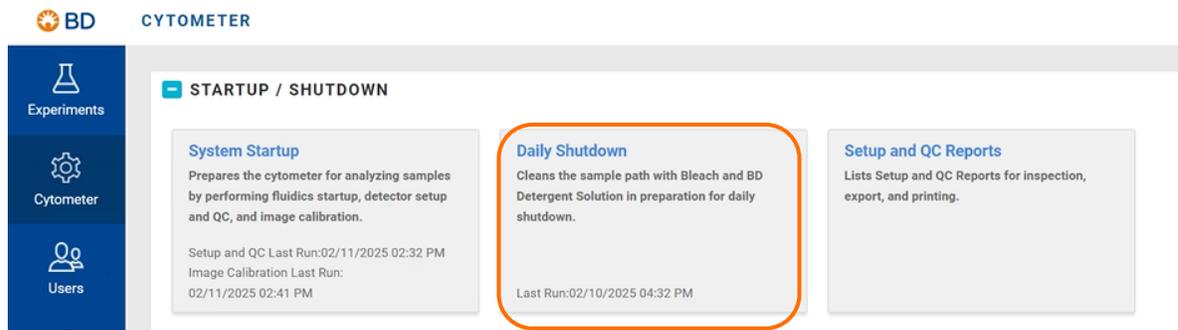
3. Follow the prompts on the screen to complete each numbered step.

- Click **Start** to initiate the Daily Clean.
- At prompt 2, load a clean tube containing 2 mL of 10% bleach solution on the manual tube port, then click **Continue**.
- At prompt 3, remove the bleach tube.
- At prompt 4, load a clean tube with 3 mL of DI water, then click **Continue**.
- At prompt 5, remove the DI water tube and replace it with a clean tube of 2 mL of DI water, then click **Continue**.
- Once the procedure has been completed successfully, click **Close**.



Performing a daily shutdown

1. Click **Daily Shutdown**.

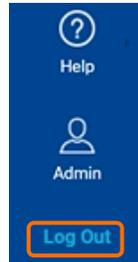
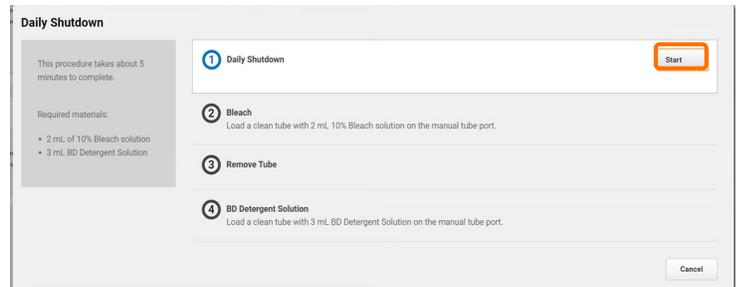


Performing a daily shutdown, continued

2. Follow the prompts on the screen to complete each numbered step.
 - a. Click **Start** to begin the shutdown.
 - b. At prompt 2, load a clean tube containing 2 mL of 10% bleach solution on the manual tube port, then click **Continue**.
 - c. At prompt 3, remove the tube.
 - d. At prompt 4, load a clean tube with 3 mL of 1.5% BD[®] Detergent Solution, then click **Continue**.
 - e. Once the procedure has been completed successfully, click **Close**.

NOTE It is okay to leave a tube of detergent or DI water on the cytometer after shutdown.

3. Click **Log Out** in the Navigation bar to log out of BD FACSCorus™ Software.
4. Power off the cytometer unit by pressing the button on the right side of the instrument.
5. Shut down the computer workstation.



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