

# BD FACSDiscover™ A8 Cell Analyzer: Performing a monthly clean

This job aid contains instructions for how to perform the monthly clean procedure. The Monthly Clean procedure rinses the fluidic system with a bleach solution, followed by another rinse with deionized (DI) water and sheath fluid. The procedure takes about 20 minutes to complete.

This procedure should be performed at least once per month. We recommend performing the monthly clean more often if the system is heavily used or if contamination is suspected.

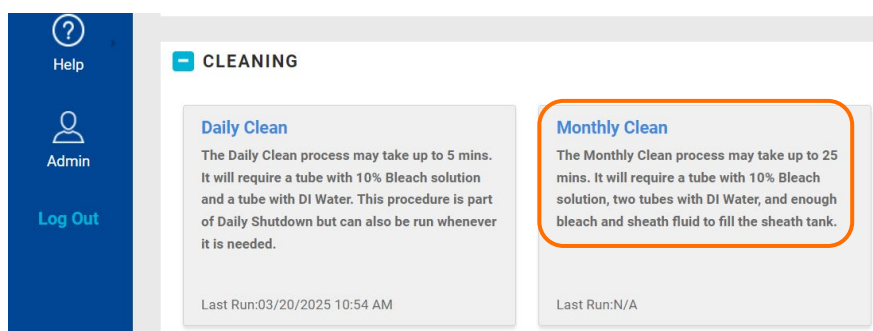
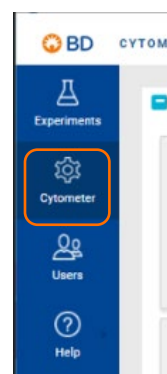
For additional information, see the Maintenance section in the *BD FACSDiscover™ A8 Cell Analyzer with BD CellView™ Image Technology and BD SpectralFX™ Technology User's Guide*.

## Materials Needed

- A tube containing 2 mL of 10% bleach solution
- A tube containing 3 mL of DI water
- A tube containing 2 mL of DI water
- 2 L of 10% bleach solution
- 10 L sheath fluid (DI water)
- Enough sheath fluid (DI water) to fill the 10 L sheath tank

## Running monthly clean

1. In the navigation bar, click **Cytometer** to go to the Cytometer page.
2. Click **Monthly Clean**.



## Running a monthly clean, continued

3. Follow the prompts on the screen to complete each numbered step.
  - a. Click **Start** to begin the monthly clean.
  - b. Remove the sheath filter:
    - i. Disconnect the vent line on the top of the filter by unscrewing the connector nut on the filter.
    - ii. Remove the filter by pressing the quick-disconnect tabs at the top and bottom of the filter.
    - iii. Connect the top and bottom sheath line connectors.
  - c. At prompt 3, load a clean tube containing 2 mL of 10% bleach solution on the manual tube port, fill the sheath tank with 2 L of 10% bleach solution, empty the waste tank and click **Continue**.
  - d. At prompt 4, remove the tube from the manual port, then click **Continue**.
  - e. At prompt 5, empty the remaining bleach from the sheath tank and rinse it with DI water, then click **Continue**.
  - f. At prompt 6, place a clean tube containing 3 mL of DI water onto the manual tube port, fill the sheath tank with sheath fluid (DI water), empty the waste tank, then click **Continue**.
  - g. At prompt 7, remove the tube and replace it with a clean tube containing 2 mL of DI water on the manual tube port, and click **Continue**.
  - h. At prompt 8, reconnect the sheath filter and click **Continue** to purge the sheath filter.
  - i. Once the procedure has been completed successfully, click **Close**.

### Monthly Clean

This procedure takes about 25 minutes to complete.

Required materials:

- 2 mL of 10% Bleach solution
- 3 mL DI water
- 2 mL DI water
- 2 L of 10% Bleach solution
- 10 L sheath fluid

Refer to the user's guide for complete instructions.

1 Monthly Clean

Start

2 Remove Sheath Filter

Disconnect the vent line on top of the filter by unscrewing the connector nut on the filter. Press the quick-connect tabs at the top and bottom of the filter, and remove the filter. Connect the top and bottom sheath line connectors.

3 Bleach, Sheath Tank, and Waste Tank

Place a clean tube with 2 mL 10% Bleach solution on the manual tube port, fill the sheath tank with 2 L 10% Bleach solution and empty the waste tank.

4 Remove Tube

5 Empty and Rinse Sheath Tank

Empty remaining bleach from the sheath tank and rinse with DI water.

6 DI Water, Sheath Tank and Waste Tank

Place a clean tube with 3 mL DI water (deionized) on the manual tube port, fill the sheath tank with sheath fluid and empty the waste tank.

7 Replace DI Water

Replace a clean tube with 2 mL DI water (deionized) on the manual tube port.

8 Replace and Purge the Sheath Filter

Reconnect the top and bottom sheath line connectors to the sheath filter, then connect the vent line on top of the filter by screwing the connector nut on the filter.

Cancel

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