BD Leucocount SOP 5: BD FACSVia™ Cytometer Shutdown Procedure

Purpose

To shut the flow cytometer and workstation down after completing the acquisition of stained samples or analysis of data files.

Scope

This procedure applies to the clinical laboratory environment with the BD FACSVia™ flow cytometer for the purpose of enumerating rWBCs in leucoreduced products. We recommend that all personnel who operate the instrument be sufficiently trained to fully perform and implement this guideline.

Equipment Required

BD FACSVia flow cytometer
BD FACSVia™ Loader

Materials Required

Biohazard safety manual
Biohazard sharps waste container
Personal protective equipment (PPE)
  • Protective gloves
  • Protective eyewear
  • Closed-toe shoes
  • Lab coat
BD FACSVia™ Clean solution (Catalog No. 340345) or 10% bleach
Reagent grade distilled or deionized water

Procedure

Shutdown in BD FACSVia™ clinical software

1. Ensure that the following cleaning tubes are loaded in the designated fixed locations on the Loader tray:
   a. A tube containing 2 mL of BD FACSClean in the triangle.
   b. A tube containing 2 mL of DI water in the circle.
   c. A tube containing 2 mL of DI water in the square.

2. Press the power button on the front of the cytometer to turn it off.
   NOTE: Press the power button only once, because holding the power button will perform a hard shutdown requiring additional startup time.
3. The clean fluidics cycle will run for 13 minutes, and then the cytometer automatically powers off.
4. Place a tube containing 2 mL of DI water on the SIP once the system has shut down.

References

*BD FACSVia™ Instructions for Use*, document 23-14662-00.


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