BD LSR II Start-up/Shutdown

Start up:

1. Verify sheath tank and fill if necessary. Make sure tank is properly sealed and the tubing is not kinked.

2. Empty waste tank and add 10% bleach.

3. Turn on the instrument (lasers should warm up for at least 30 minutes before using.

4. Re-boot the computer.

5. Double click on the BD FACSDiva icon.

6. Under the instrument menu, select instrument configuration. Pick the appropriate configuration, press the set configuration button and the OK button.

7. Double click under the Studies folder, double click under personal folder, double click under experiment to open. Right click on the mouse "duplicate without data". Once file has been copied, it can be renamed by a right click or under the inspector.

8. The instrument configuration only will give you the fluorescent markers you are going to be using, the name of the antibodies need to be entered in the Inspector under labels. Fill each entry with the appropriate antibody name.

9. Under the Acquisition Control Box, determine the number of events that will be recorded.

10. Set the instrument in Run.

11. Click the acquire button. In order for data to be recorded, the record button should be pressed once the settings are completed.

Shutdown:

1. Remove your last sample from the collection device and replace with a tube containing 10% bleach. Leave the support arm to the side for 1 minute. Place the support arm under the tube and allow the instrument to run for at least 5 minutes at a high flow rate.

2. Remove the tube of 10% bleach from the collection device and replace with a tube containing distilled water. Leave the arm to the side for 1 minute. Place the

support arm under the tube and allow the instrument to run for at least 5 minutes at a high flow rate.

3. Leave the distilled water tube on the instrument and set the instrument on Standby.

4. Exit FACSDiva program.

5. If you are the last user for the day, turn off the cytometer.