

FACS Setup

1. Make sure computer is turned OFF.
2. Turn the FACS machine ON (green button).
3. Turn the computer ON.
4. Make sure SHEATH FLUID is full.
5. Flip switch to CHARGE PUMP.
6. Open the CELLQUEST program on the computer.
7. Open the ACQUISITION I file from Desktop/Acquisitions.
8. Set FOLDER LOCATION and file (also file count #1) under Acquire – Parameters.
9. CONNECT the computer to cytometer under Acquire.
10. Open the DETECTOR and COMPENSATOR menus under Cytometer.
11. Setup instrument using old file by choosing INSTRUMENT SETTING under Cytometer.
12. LOAD SAMPLE and set to Run Low.
13. Check SETUP BOX and Click ACQUIRE.
14. Adjust LIVE CELLS the main population of cells.
15. Adjust GFP positive cells.
16. ABORT setup mode and check SETUP OFF.
17. RUN SAMPLE again and click ACQUIRE.
18. After 50,000 – 100,000 cells, PAUSE the Acquire and click SAVE.
19. Load next sample and repeat, ACQUIRE, COUNT cells, PAUSE, and SAVE.
20. When done, CLOSE the acquisition window.
21. Open ANALYSIS template 4-DOT.
22. LOAD samples into each graph using APPLE-D.
23. Adjust one sample LIVE cells and GFP positive cells.
24. PRINT results using apple-P.
25. REPEAT analysis for all samples by loading into the chart and printing.
26. When done, start SHUTDOWN PROCEDURE as indicated on machine.