

Fluoromax Instructions

pHi Assay



MSUM Biochemistry &
Biotechnology

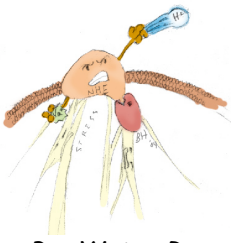
I. Turning on the instrument...

1. Turn lamp switch on; make sure red indicator light is on.
2. Put book disk into Fluoromax floppy drive.
3. Turn Fluoromax power on.
4. Wait for setup procedure to finish - floppy drive will be inactive, i.e. the orange light is off, when completed.
5. Book computer by exiting Windows.
6. At c prompt (c:\), type: DM3000F [Enter].
7. Click on Go.
8. Click on HV (F10) at the bottom of the screen.
9. Click on Status.
10. Press Spacebar.
11. Press Enter.
12. Click on Go.

II. Initializing the System...

A. Lamp Excitation Scan

1. Click on Define Experiment.
2. Click on Recall Experiment.
3. Type: Lamp.met [Enter].
4. Press F8 to confirm appropriate scan.
5. Press Escape.
6. Click on Excitation Scan.
7. Click on Run Current Experiment
8. Type appropriate file name: LampXXX.spt [Enter].
(XXX = record number, which is the next consecutive number for the next initialization)
9. Type appropriate data title: Lamp Excitation Scan mm/dd/yy.
10. Click on Go; at this time the machine will perform the scan.
11. Click on Graph (F6) during the scan.
12. Click on Y-axis Maximum.
13. Type: 0.4 [Enter]
14. Click on Go.
15. Wait for scan to finish, i.e. when the amplitude line appears
16. Move amplitude line to the excitation maximum.
17. Click on Screen (F2) to remove the screen.
18. Press F4 function key on keyboard to obtain the menu screen.
19. Click on Create Hard Copy.
20. Click on Printer.
21. Wait for print-out.
22. Press F2 function key on keyboard to return the menu to the screen.



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B. Water Raman Scan (spinner off)

1. Click on Main Menu (F4).
2. Click on Define Experiment.
3. Click on Recall Experiment.
4. Type Raman.met [Enter]
5. Press F8 to confirm appropriate scan.
6. Press Escape.
7. Click on Emission Scan.
8. Click on Run Current Experiment
9. Click on Data File and type: RamanXXX.spt [Enter].
(XXX = Record number, which is the next consecutive number for the next initialization)
10. Click on Data Title and type: Water Raman Scan mm/dd/yy [Enter].
11. Put double-distilled water into quartz-glass cuvette and place cuvette into the Fluoromax stage.
12. Click on Go; at this time the instrument will perform the scan.
13. After the scan is completed, i.e. when the amplitude line appears, move the amplitude line to the F.I. maximum.
14. Click on Screen (F2) to remove the screen.
15. Press F4 function key on the keyboard to get the main menu.
16. Click on Create Hard Copy.
17. Click on Printer and wait for print-out.
18. Hit F2 function key on the keyboard to obtain the menu screen.