

Using the Aviv CD spectrophotometer

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Clark Lab

- 1.) Ask Mary Prorok for cuvettes.
- 2.) Open the nitrogen valve with the green screw top.
- 3.) Turn on the electricity with the red button on the wall behind the spectrophotometer.
- 4.) Make sure that the indicators for nitrogen under the control panel are near the arrows.
- 5.) Then start the “lamp power and cooling system”.
- 6.) Once the “lamp ready” is on use the “push to start button”. After this the lamp needs about 20 minutes to warm up.
- 7.) Write down the hours from the display into the users-book.
- 8.) Start “CPU & instruments”. Just press enter when the computer asks for a password.
- 9.) Start 202-SF software from the desktop and load the configuration file at the menu “File”.
- 10.) Set the data path under the Menu “Displays Data Browser Default Dataset Path” to c:/data/clark.
- 11.) Open “Configure Experiment” from the menu, term “Description” and “Name of the data”. When changing temperature, you have to push enter after setting the temperature. With “Experiment Configuration” the other settings like wavelength can be adjusted. Click on “Exit/Save Configuration” to leave this window.
- 12.) Put the cuvette into the slot, close the box and push “Run Experiment”.
- 13.) Save the experiment in data browser and hard drive.
- 14.) Go on with “Axis Definitions” and choose “Data Collection Average”. Mark all shots and click “Average Selected Traces”. Then save average trace and close the window.
- 15.) To start a new experiment go to “Configure Experiment” and change name of the file and the conditions. If changing the temperature, wait till the new temp is reached (about 20 sec. for 5 degrees) and wait 3 minutes for equilibration.
- 16.) When all experiments are done go to “Displays Data Browsers”. Click the Wavelength folder and save your files as .txt files on a floppy disk.