

Jasco P-2000 Polarimeter Instructions

- 1) Turn on the power to the polarimeter. It's located on the front in the lower left corner of the polarimeter. Do this when you come in so the lamp has a chance to warm up.
- 2) Login into the computer using your net id and password
- 3) Launch Spectra Manager: **All Programs ---> Jasco ---> SpectraManager**
- 4) In Spectra Manager under Jasco P-2000 on the left hand side launch **Standard Measurement** by double clicking on it. This should spawn a new window where you'll take all your measurements.
- 5) There should be a 10 ml sample cell in the sample compartment. Fill this cell with your background solvent (no sample) and place the cell back in the cell compartment and close the sample compartment door.
- 6) Take a blank reading by doing **Measure ---> Blank** (or click the B icon). It will take about 10 seconds after you initiate the measurement before it updates the spreadsheet
- 7) Remove the cell and empty it of solvent and then fill the cell with sample solution. Place the cell back into the sample compartment and close the compartment door
- 8) Measure the sample by doing **Measure ---> Sample** (or click the S icon). Again it will take about 10 seconds to do the measurement and update the spreadsheet.
- 9) If you have more samples in the same solvent repeat step 7 through 9
- 10) When finished close the Standard Measurement Window. When it asked to save any changes click **no**.
- 11) Close the Spectra Manager window
- 12) Log off windows
- 13) Turn off the power to the polarimeter

Notes:

Make sure the cell outside is capped, clean, and dry before putting it into the polarimeter.

Clean the cell after everyone is finished. First with the solvent the samples were dissolved in then with water.

Leave the cell in the compartment and not on the counter top. The cells are fragile and will easily break if mishandled.