

Simple Operating Instructions for the Cary 1 UV-Visible Spectrophotometer

1. Turn on the instrument using the red switch on the front left hand corner. Turn on the computer.
2. Select the **Cary WinUV** icon from the desktop.
3. Select the correct icon from the folder window that is opened. Common choices would be **Scan** (acquire a spectrum), one of the "Kinetics" modules (acquire points as a function of time), or one of the "Reads" modules (acquire data at one wavelength).
4. Click on the **Setup** button on the right side of the screen.
 - a. Change the parameters so that they are appropriate for the sample you are analyzing. Common parameters to change can be found under the **Cary** or **Options** pages (the selections and pages change with the modules).
5. Open the sliding door on the top of the instrument and remove the black cover over the cell slots.
6. Make sure you have the correct, matched cells (quartz for UV or visible; glass or plastic for visible). One cell will contain the blank and one cell will contain the sample. The clear (nonfrosted) parts of the cell should be aligned with the sides of the instrument.
 - a. Insert the sample cell in the first slot (the one closest to you).
 - b. Insert the blank cell in the first slot in the second group of cell slots that is further from you.
7. Replace the black cover and close the door, press the **Start** button on the left side of the computer screen.
8. Choose a file name and save using the **File** menu at the top of the screen (choose **Save** or **Save As**).
 - a. Choose a phrase to describe your sample and type in the sample name box.
9. To view your data select **File** and **Open data** from the top. Make sure "Data" is selected under files of type so you are able to view the data files.
10. To remove your cells, slide open the door, remove the black cover, and pull up on the silver knob near the opening of the sample chamber.
11. Shut off the computer and instrument when finished.

Further information on the software options can be obtained by clicking on **HELP** (only on-line help is available).