

Agilent Cary 5000 UV-Vis-NIR Spectrophotometer

Operating Instructions (Kinetics)

AF | v20190123

Power On and Setup

1. Turn on the Cary moving the on/off toggle switch on the front of the instrument to the | (**On**) position. Make sure the green light illuminates. The instrument will take several minutes to warm up and perform a self-test; some clicking and motor noises are normal.
2. Logon using `.\labuser` as the username and `labuser` as the password.
3. Open the software by clicking the **Kinetics** shortcut on the Desktop.
4. Click the **Setup** button in the upper left corner of the Scan software, and then select `Summary > Instrument Settings > Cary Options` from the menu at the left of the resulting window.
 1. Select you desired wavelength to monitor.
 2. Select your desired averaging time (*Ave time (s)*).
 3. Click **OK** to save your settings.

Making an Measurement

1. Ensure the the instrument has had a chance to come online by checking to see menu bar says "*Scan - Online*" (NOT "Scan - Offline"). If the instrument is not yet online wait a few minutes for it to finish warming up.
2. Select `Summary > Instrument Settings > Baseline` , then select the **Zero/Baseline Correction** radio button.
3. Load your blank and ensure that all covers are closed and the click on the **Zero** button to zero the instrument. Click **OK** in the load sample prompt that appears.
4. Click the **Start** button (green traffic light) and choose a location for your run.
5. Enter a file name click **OK**.
6. Click OK. You will then have no more than two minutes to load your sample.
7. Load your sample and click OK.

Shutdown

1. Make sure any data you wish to save has been saved and/or moved to `\\neon` .
> To save data as a CSV, go to **File > Save As...** and select **Spreadsheet ASCII (*.csv)** in the dropdown file type menu.
2. Click the red **X** or `File > Exit` to close the program, as with any Windows program.
3. Switch the toggle switch on the front of the instrument to the **0 (Off)** position.
4. Log off of the computer and clean up your work area.