

Bio-Spec Mini – Scanning and Saving Scans

Scanning Samples:

1. Select **3** for spectrum.
2. Select **1** to change the **measuring mode** to **ABS** using the up and down arrows. Hit enter when **ABS** is highlighted .
3. Select **2** to change the λ range. Enter the starting wavelength using the numeric keypad and hit **ENTER**, enter the ending wavelength and hit **ENTER** again. The starting wavelength should be larger than the ending wavelength.
4. If you wish to change the scan speed, select **4** and use the arrows to change the speed.
5. Place your blanking cuvette in the holder and hit **F1 BaseCorr** (base correction). Your blanking cuvette should contain the solvent you used for your sample.
6. Place your sample in the holder and hit **START/STOP**

Transferring the scan to the computer

1. Create a new folder in the SCANS folder with your lastname_date. For example, Elrad_0403.
2. Open the hyperterminal program by double clicking on the phone icon if the program is not already open.
3. Under the **transfer menu**, select **capture text**.
4. Select browse to choose your folder.
5. Enter your file name. Record this name with relevant sample information in your notebook information in your lab notebook. Hit enter on the computer. Push **START**.
6. On the BioSpec-mini Hit **F3** for **ExtTrans** (external transfer)
7. Watch the numbers on the computer.

Open the file on the computer using excel

1. To graph your data in excel, open your file in excel, choose **delimitate**, and the space bar as the delimitator. When printing scans for your notebook, the title of your graph should contain the file name and sample description. Also make sure your axes are labeled and that the labels include units where appropriate.
2. Once you have analyzed your data save your file as an **excel workbook** and not a text file.

