

Bruker Ultraflex III™

Starting:

1. Sign in. Use the laptop.
2. On the computer console, make sure the **high voltage** is **off**, and the **green OUT** light is showing.
3. Use gloves to handle the target. The idea is to keep oils and other stuff from your hands off the target edges.
4. Open the door, and carefully slide the pointy edge of the target in (sample side facing the length of the instrument). Minimize fingerprints (or dirty glove residue) on the edges of the target and it's holder. Shut the door.
5. On the computer, click on the **arrow** to start the docking process. RESIST doing anything else with the program until the **green IN** light appears. People have a tendency to move windows, click on methods, change detector limits, and click on various icons while waiting. DON'T! Just wait.
6. Once the **green IN** appears, select the method you need. Choose the method by going to the bottom of the left corner of the **flexControl** window and clicking on the **Select Method** button. The method window then appears. Note: If you want to generate a new method, pick a method and "save as". Do NOT modify the standard methods that come with the instrument. Selecting a method will set the parameters and turn on the high voltage. WAIT until the high voltage is on before making other adjustments! Sit on your Hands!!!
7. When the method is loaded, go to the **Spectrometer tab** and make sure the **High Voltage** is switched on. Note: the instrument gradually ramps up to the voltages requested.
8. Next go to the **Detection tab**. Use the slide bar to set the mass range to be recorded. Note: This range needs to match the range used in calibrating. Every time the range is changed, a new calibration is needed.

Data should be saved in a folder with your last name on it. The data name must take the following format: **D:\Data\name\ymmdddx01**. For example: D:\Data\vestling\101114x03 for the third spectrum saved on November 11, 2010 by vestling.

Stopping:

1. Make sure the method is **RP_PepMix.par**. [Do NOT leave the instrument in MSMS mode.]
2. Turn off the **high voltage**.
3. Click on the arrow button to start the docking and removal process. WAIT while the **green IN** goes to yellow **DOCKING** to **green OUT**. DO NOT ask the program to do anything else during the process.
4. When the **green OUT** is showing, carefully open the door and remove the target, and close the door.
5. Wipe the edges of the target and target holder with a Kimwipe™. You may need to wet the Kimwipe™ with a little ethanol.
6. Sign out using the laptop.

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