

Tecan infinite F500

ALL USERS MUST BE TRAINED BY BIF STAFF!

To be trained, contact Dan Stevens (dstevens3@wisc.edu).

The instrument is available for walkup use. If you need to run for an extended amount of time (e.g. an overnight run) or need it at a specific time, please use the signup sheet to note the time and date that you will use the instrument. Card access to room 4420 can be arranged by emailing the biochemistry front desk (front_desk@biochem.wisc.edu).

Startup procedure:

- Turn on the instrument (switch on the rear lower right hand side)
- Log into computer (BIF User, no password)
- Fill out the logbook
- In the start menu open up i-control or Magellan (see below to decide on a program)
- Wait while the software searches for an instrument
- Select infinite F500 and click OK – the instrument will initialize
- Select your plate type (WARNING: if you use a plate with a cover, make sure that you click on the 'plate with cover' box. Failure to do so will drive the sensor heads into your plate cover invalidating your results and possibly damaging the instrument)
- Insert plate (you can move the plate tray in or out using buttons in the software)
- Drag in measurements/actions
- Click start button to begin – Excel will open up a new workbook (or new tab) and auto import the data generated there

Shutdown procedure:

- Save Excel data (if you don't save the workbook your data will be lost)
- Close iconcontrol/Magellan
- Turn off the reader
- Log off of the computer
- Record end time and any problems in logbook

To change the excitation/emission filter slides (currently only needed if you are doing fluorescence polarization):

- Click move excitation or emission filter out (buttons in the i-control software)
- Replace with appropriate filter slide (other slides are located in black case above instrument)
- The instrument will automatically read what filters are on the new slide
- Store unused filter slides in the black case
- Put the default filter slides back in when finished

There are two software packages available for use with the Tecan reader: i-control or Magellan.

- i-control allows you to program the instrument and automatically spits your information out into an Excel workbook.
- Magellan is a software package that does everything that iconcontrol does, but can also do post analysis processing. An example of this is that it can automatically do a blank subtraction if you pre-define your blank wells.
- For most users, the i-control software will be the preferred option.

Report any problems or issues with the plate readers to the BIF staff.