

Tecan infinite M1000 Pro

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 (“ON” switch on the front of the instrument)
- Log onto 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 M1000 Pro 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 the software or the button on top of the instrument)
- 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 i-control/Magellan
- Turn off the reader
- Log off of the computer
- Record end time and any problems in the logbook

Injector cleaning procedure:

- Remove injector from the plate reader and place in service position (above waste beaker between injection syringes)
- Backflush your buffer/sample if desired (Settings menu, Injector maintenance, Backflush tab)
- Remove your buffer/sample and replace with DI Water
- Flush injector using wash cycle with 8 piston strokes (Settings, Injector maintenance, Wash tab)
- If you have no plans to use in the near future, flush with 70% ethanol (wash cycle, 3 strokes) and flush with air
- Empty waste beaker

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.