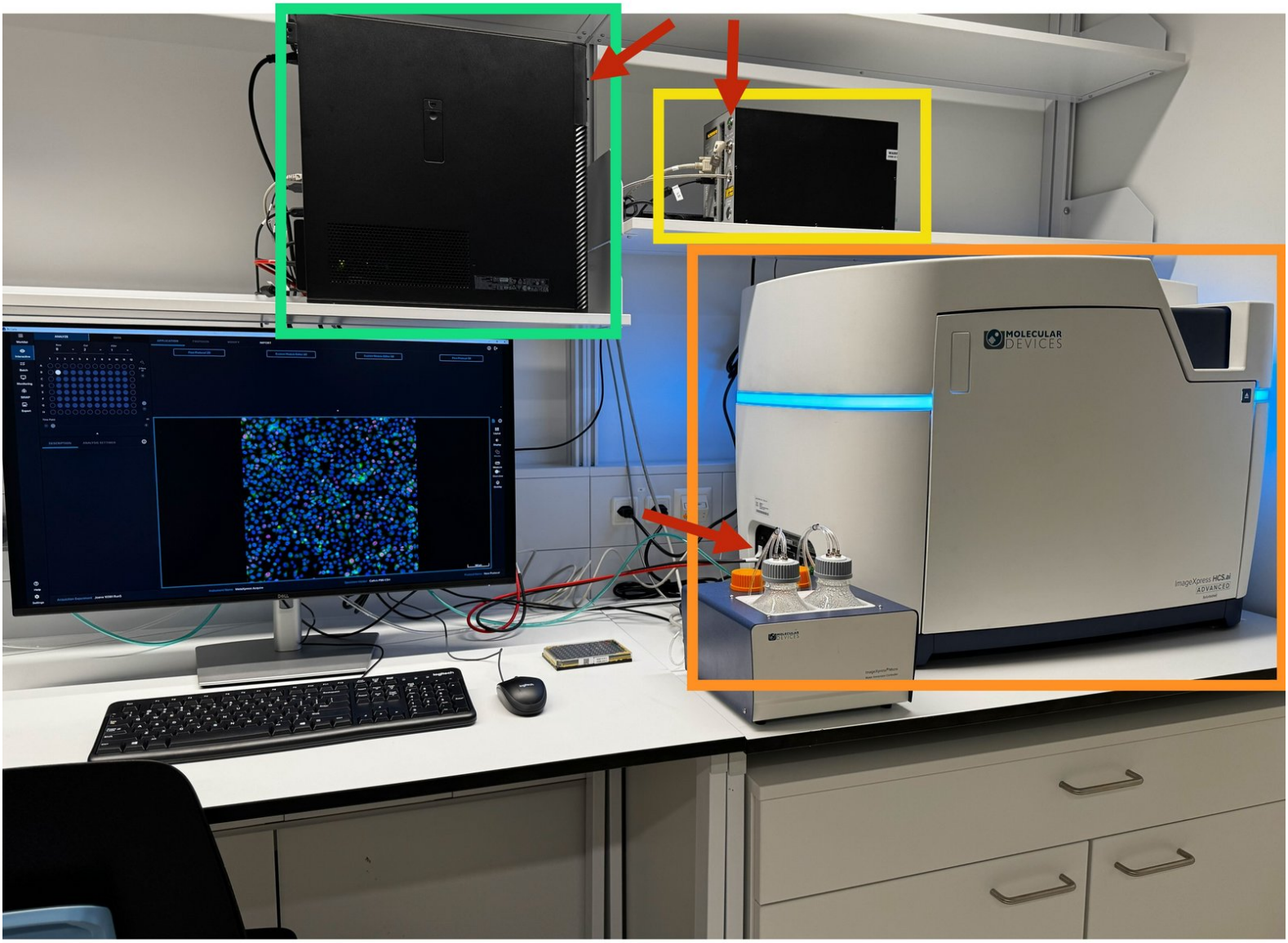
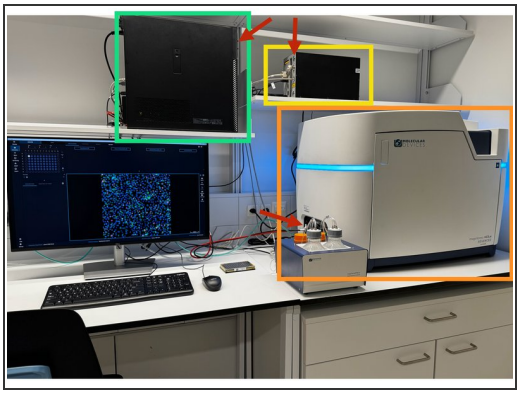
MD ImageXpress HCS.ai - 1. Start Up

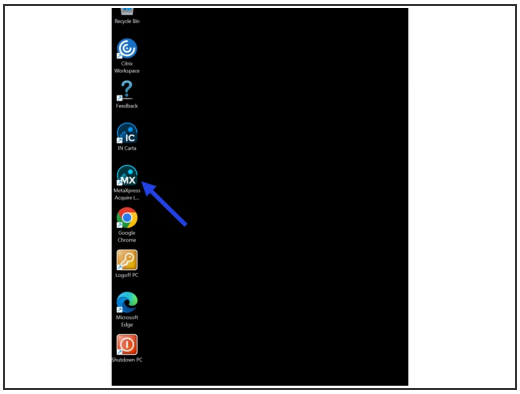
How to initialize the intrument

Written By: Dayra Lorenzo



Step 1 — Start up and log-in



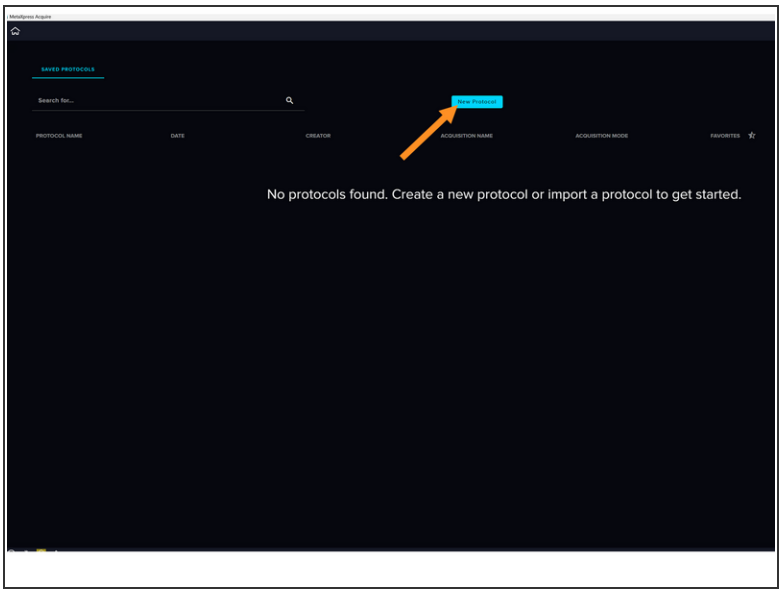


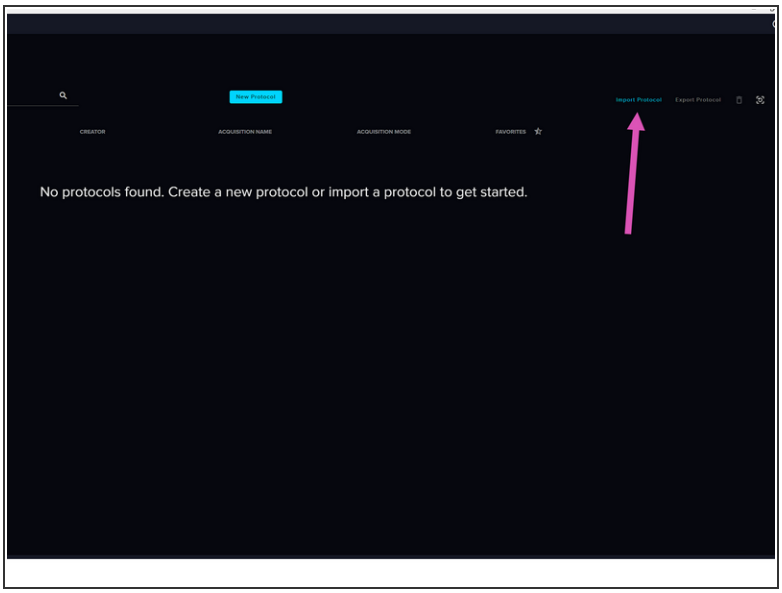


- Turn on the:
  - Instrument
  - Laser - Check that the key is tured on
  - PC
- Log-in with your ZMB core user name, eg, u.ser
- Start the software
- Select Aquire. If you want to review your imaging data select "Experiments".

⚠ When using the enviromental control, warm up the instrument at least and hour in advance, and note it in the booking system so people know thetemprature

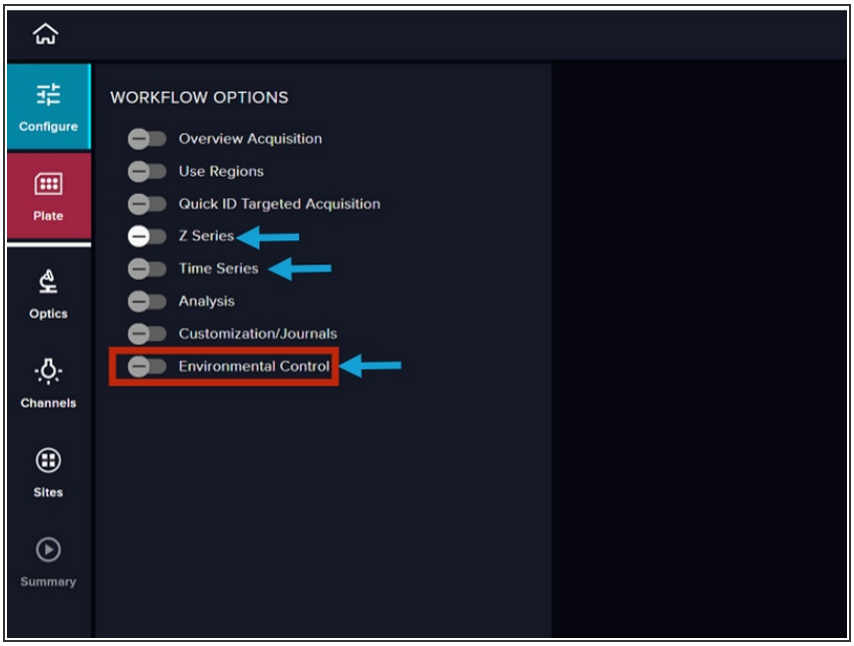
Step 2 — New protocol





- Start a "New protocol" or...
- ...load an existing one.

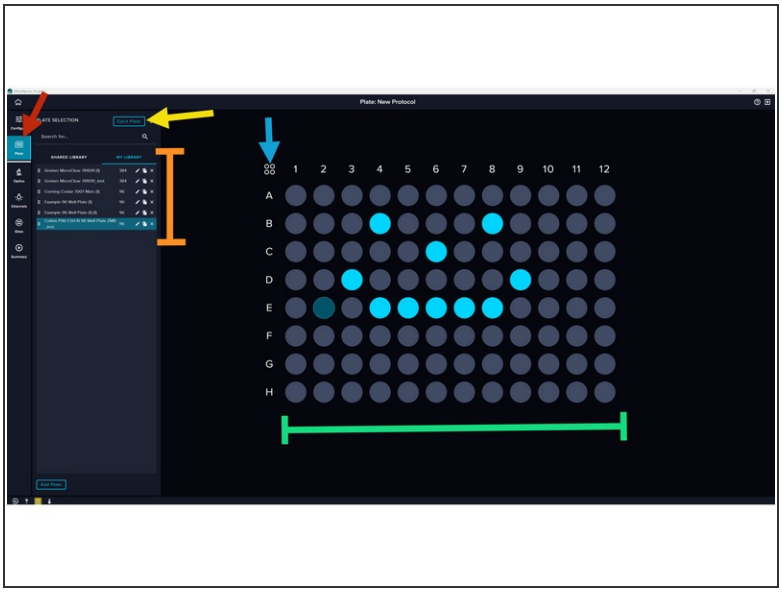
Step 3 — Workflow options

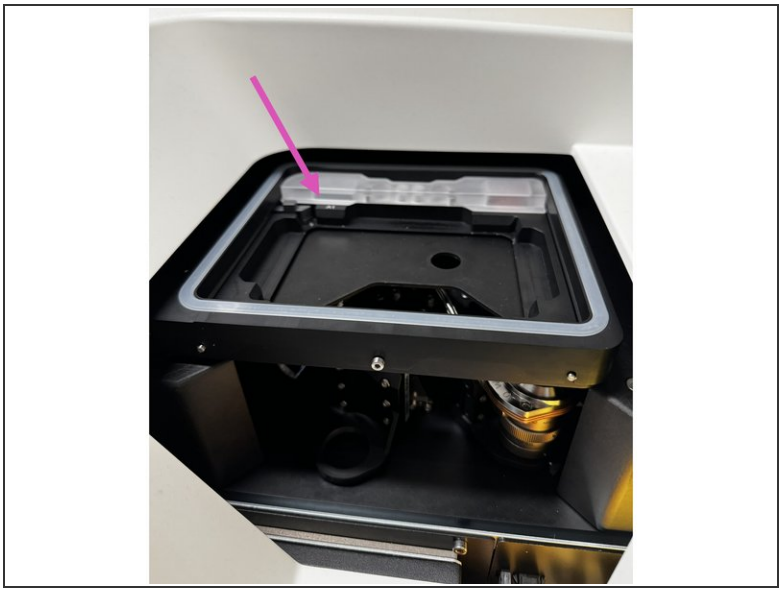


- Activate addtional workflow options, that is, besides x-y plate imaging. Most commonly used workflow addtions will be: z-stacks, time-lampses, and environmental control

⚠ Make sure to turn on the environmental control at least 1 hour before acquisition

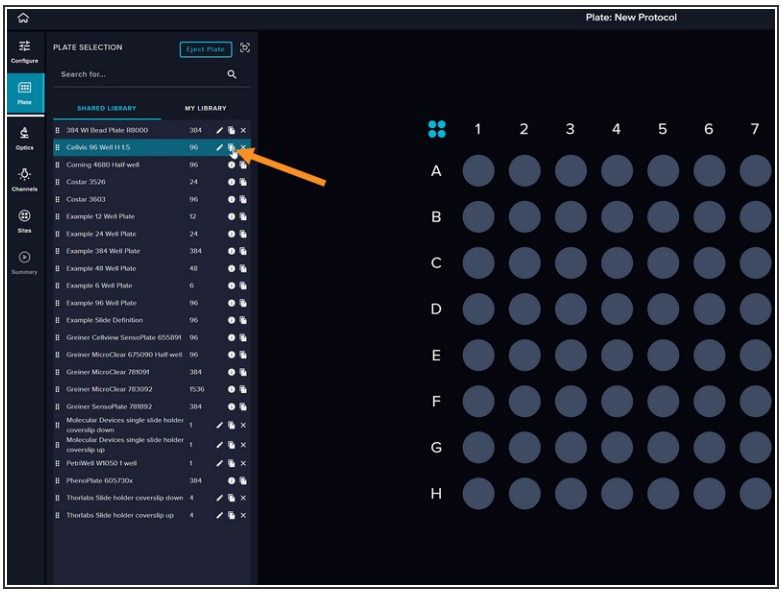
Step 4 — Load your sample

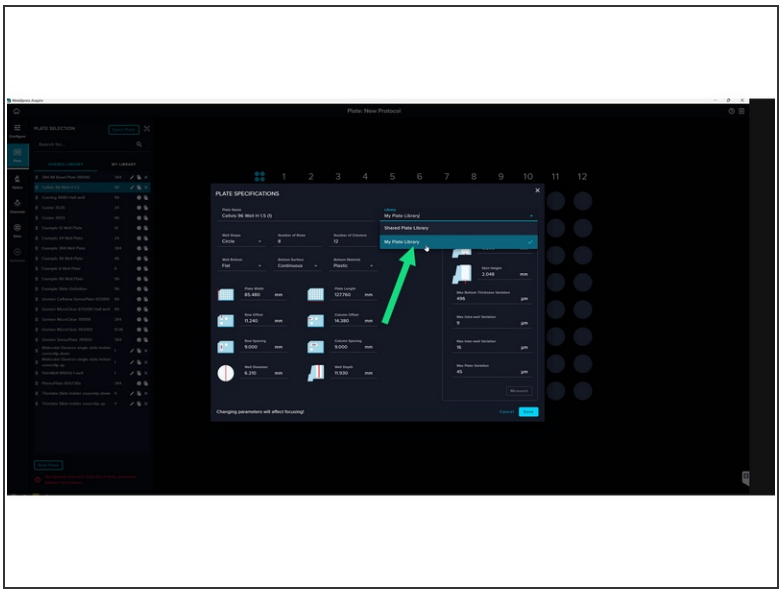




- Go to the plate tab
- Select a plate from the list or one similar to the one you are using - This will be adjusted later for precision
- Press eject plate
- You can select the wells you plan to image here...
- ... or select all wells here
  - Note that with 20x water and beyond, you cannto image the edge rows and columns
- Load your plate with the A1 position facing away from you and to your left
- For slides (regular, chamber, others) imaging, use the slide holder on the shelf

Step 5 — Setting up your plate





- Choose your preferred plate configuration from the shared library and **duplicate** it
- Rename and adjust the specifications if necessary
- Save into "My plate library"