



Vitrobot Quick Start Guide

This is a guide for users who have already attended training for Vitrobot operation and have been approved for independent use. If you have any questions, please ask core staff.

Setup

- Make sure to set up Vitrobot ~ 1 hour before use
- Turn on switch in the back
- Attach humidifier and add water
- Add new blot papers
- Set desired temperature and humidity
- Select 'on' for humidifier
- Cool Vitrobot pot with spider on
- Once cooled, add ethane to gold pot and keep spider in until ethane reaches -190 degrees or below
- Label grid boxes for use

Operation

- REMOVE SPIDER before use
- Choose settings on control tab, and select operate with foot pedal
- Pick up grids with Vitrobot tweezers and attach to arm, making sure they are centered
- Make sure plasma cleaned side of grid is facing preferred side for pipetting
- Tap foot pedal to continue through operation steps
- Pipette sample onto grid after "process" step
- When finished blotting, carefully detach tweezers from Vitrobot arm and move grid to nitrogen, then release grid into grid box
- Grid box slot numbers move clockwise from the notch (add grids in clockwise order)

Cleanup

- Select 'exit' then 'yes'
- Wait for Vitrobot screen to go fully black, then switch off Vitrobot
- Remove humidifier and dump water into bin, then remove excess water with the syringe
- Throw away old blot papers
- Make sure that Vitrobot tweezers are dry, in a plastic protector, and in their box
- Leave Vitrobot pot to evaporate under snorkel
- Ask for a core staff member's help in storing grids
- RECORD YOUR USE in the Vitrobot notebook