

Polara Quick Checklist

Start up:

- Check logbook and microscope to locate all the cartridges
- Refill the liquid nitrogen
- Collect new gain reference for K2 in Digital Micrograph using beam settings for 'Exposure' mode (see [Instructions for Gatan K2 Camera])

Loading specimen:

- Be careful with the clip ring handling tool, especially when it is cold
- Cold down the cold trap pump thoroughly before use
- Make sure the tweezers are closed before grabbing cartridge from MSC
- In every step check the cartridge to see if it is in right location

Shut down:

- Close the column valves
- Remove the cartridge from the column and put it back into the MSC, only for those who know how and are allowed to do so
- Remove the dewars from the MSC and insertion rod, empty them and place them upside down into the Styrofoam container
- Clean up and organize the sample loading area
- Refill the liquid nitrogen dewar on the microscope
- Log out of your account and log into guest account
 - Username: polara
 - Password: polara
- Transfer all of your images from the GPU to your own account/computer
- Heat the K2 to 50°C, set the time to as much as permitted, leave one hour for K2 cooling down to -20°C before next user start
- Sign the log book and note any problems

If you encounter any problems, or think anything is strange with the microscope, please contact Zongli or Sarah before continuing.