

New policies and procedures for use of the Nanoscale Characterization Facility during Phase I of the Restart of Research Operations.

Please note:

The following presentation is intended as an addendum to Covid-19 policies for the Singh Building and the university.

General Rules

Social Distancing

- Whenever possible, use indicated flow patterns for walking through the facility. Arrows on the floors show walking direction. Enter the lower level using the SE Main Stairway. Exit using the West stairway.
- There is a mandatory limit of one person per microscope room.
- Do not arrive early for a microscope session or remain behind after the session is over and the requisite cleaning has been completed.
- Please exit the characterization suite and the building promptly after the microscope session is complete.

General Rules

Hygiene and Disinfection

- All users are required to wear a face mask at all times while in the facility.
- Don gloves immediately after entering a microscope room.
- Doff gloves before exiting a microscope room. If you will be returning to the same room, then remove one glove and use the ungloved hand to open doors, etc.
- A one hour gap is required between all microscope sessions. Note previous rules regarding arriving early and staying late.

General Microscope Room Rules

Important: Follow General Lab Rules regarding use of gloves

- Keep gloves on during the entire microscopy session.
- Avoid touching your face. If you inadvertently touch your face, disinfect the gloved hand with hand sanitizer.
- After the session is complete, the sample has been removed and data has been copied, disinfect the microscope and room as defined in the following slides.

Transmission Electron Microscopes

After session, disinfect all high-touch surfaces and items.

Use only the wipes provided. Wipe should be damp, but not dripping wet.

Do not over soak the knob sets.

Do not attempt to disinfect surfaces or components which are not routinely touched during a normal microscope session.

Don't forget items such as the ACD components, LN2 Dewar, clamshell cover, latch and pump/air button.



Transmission Electron Microscopes -- Disinfecting Sample Holders and Tools

Wipe down only the handle of the holder (i.e. the only part that is routinely touched) and the electrical jack for the Y-Tilt motor (if present).

Do Not attempt to disinfect the narrow portion of the holder shaft or tip.

Gently wipe down the tools, including tweezers, screw driver, and the vacuum pickup tool.



Transmission Electron Microscopes -- Special Note: NeoARM Knob Sets

The left and right knob sets on the NeoARM have buttons with labels which may be damaged by the disinfectant solution.

The buttons will be protected by a thin plastic film. Take care when wiping the film to ensure it stays in place and the disinfectant does not seep underneath the film and damage the buttons.

The knobs and toggle switches can be wiped directly with the disinfectant.



JEOL 7500F SEM

After session, disinfect keyboard, mouse, knob set, trackball, sample exchange rod handle, clamshell, EDS crank (if used), and sample prep screwdrivers and wrench.

Use only the wipes provided. Wipe should be damp, but not dripping wet.

Do not over soak the knob sets.

Do not attempt to disinfect surfaces or components which are not routinely touched during a normal microscope session.



Quanta 650F ESEM

After session, disinfect keyboard, mouse, knob set, chamber door handle, clamshell, EDS knob (if used) and Allen wrench.

Use only the wipes provided. Wipe should be damp, but not dripping wet.

Do not over soak the knob sets.

Do not attempt to disinfect surfaces or components which are not routinely touched during a normal microscope session.



Tescan PFIB

After session, disinfect keyboard, mouse, chamber door handle, knob set, trackball, EDS crank (if used), Kleindiek control (if used), sample tweezers, and Allen wrench.

Use only the wipes provided. Wipe should be damp, but not dripping wet.

Do not over soak the knob sets.

Do not attempt to disinfect surfaces or components which are not routinely touched during a normal microscope session.

