

Hitachi 9500

Environmental Transmission Electron Microscope

1) Operator Safety:

- a. Careful when loading the system to avoid pinches to hands and fingers.
- b. Do not enter the area behind the system to avoid tripping over cables and damaging system facilities.
- c. Follow University guidelines for Liquid Nitrogen (review Cryogen SOP under Safety Highlights) use including wearing required PPE.
- d. Report safety concerns to the NCF staff through e-mail or by calling 3-8001.

2) Avoiding Machine Damage:

- a. Follow procedures carefully.
- b. Follow sample load/unload procedures accurately.
- c. Plug heater in and turn ACD heat on when system will not be in use for several hours.
- d. Report any system contamination to the NCF staff.

3) Potential System Hazards:

- a. Pinch Points.
- b. Tripping Hazard.
- c. AC Voltage.
- d. High Voltage.
- e. Liquid Nitrogen.
- f. System Vacuum.
- g. Radiation potential.

For Emergency Assistance call 412-624-2121. (Internal 4-2121)