

SCANNING ELECTRON MICROSCOPE: HITACHI S-4800

IMPORTANT THINGS TO REMEMBER

1. Ensure EDX and annular backscatter detectors are both fully retracted before moving the stage.
2. Do not touch sample or sample holder with your hands. Use gloves and proper glove etiquette.
3. Always move stage to the home position before attempting to exchange samples.
4. Always degauss after changing accelerating voltage or current or working distance.
5. Always set focus mode. UHR for $WD < 4.7$ mm, HR for $WD > 4.7$ mm.
6. Ensure the top of the sample is just barely under the height gauge, to avoid colliding sample with pole piece.
7. When seating sample base plate on SEM stage, sample placement rod will be flush with the front of the sample exchange chamber.