

SerialEM Screening Practical Evaluation

Supervising Staff: _____
Trainee(s): _____

Date: _____

Section 1: Pre-screening Checks

- Check:
 - Autoloader Inventory
 - SerialEM Server
 - 150µm C2 Aperture Inserted
 - Low Dose Mode
 - Imaging States
 - Search
 - View
 - Focus
 - Record

Section Score: _____

Supervisor Notes: _____

Section 2: Screening

- Loads grid
- Opens Navigator window
- Saves LMM to correct project path
- Collects LMM
- Identifies __ gridsquares of interest
- Eucentric height calculated for each screened gridsquare.
- Properly centers hole to screen
- Adjust focus position correctly
- Defocus target within range
- Autofocus
- Acquires Record Image
- Saves Record Image
- Repeats screening steps on other gridsquares properly
- Saves LMM with target notations

Section Score: _____

Supervisor Notes: _____

Section 3: Shutdown

- Load Cross-Grating onto microscope stage
- Close all open maps
- Complete Independent Microscope Log

Section Score: _____

Supervisor Notes: _____

Total Score: _____

Supervisor Notes: _____

