Cryo-EM Merit Badge
Independence Checklist

A Collaboration Among the NIH-Funded Cryo-EM National Centers

Screening with EPU Independence Test Evaluator Checklist - CryoEM Merit Badges

Trainee: _____

Pre-screening checks

- ❑ ❑ Any errors on TEMUI
- ❑ ❑ Check vacuum and temperature
- ❑ ❑ Autoloader Inventory is finished

Starting Atlas in EPU

- ❑ ❑ Open column valves and check beam before starting Atlas
- ❑ ❑ Create an Atlas session
- ❑ ❑ Start Atlas

Screening in EPU

- ❑ ❑ Load a grid to screen
- ❑ ❑ Move stage to a square and use GridSquare Preset to acquire an image
- ❑ ❑ Eucentric height is found using AutoFunctions-AutoEucentric
- ❑ ❑ Acquire an image of foil holes
- ❑ ❑ Perform AutoFocus on carbon film
- ❑ ❑ Move stage and image samples in a hole
- ❑ ❑ Evaluate the quality of ice and samples

Evaluator Notes:

_____

_____

Supervising Staff 1: _____ **Date: _____**

Supervising Staff 2: _____ **Date: _____**

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