

Perkin-Elmer PHI 660 AES SOP

This SOP is intended as a Memory Aid Only, not as a training document. It is assumed you understand the principals involved in the operation and safe use of the instrument. If this is your personal copy of the SOP you can annotate these procedures as you see fit and are encouraged to do so.

By using this equipment you are accepting full responsibility for its safe operation and any damages and/or necessary repairs that occur as a result of your use of the equipment. "I didn't know." is not an excuse. If you don't know or have any doubts about what you are doing please stop and ask someone.

1. Turn on high intensity chamber light.
2. Turn on pumping unit and pump intro chamber.
3. Remove a puck from the carousel.
4. Mount sample on by mechanical means only. Do not use any paint, conducting tape or adhesive of any kind.
5. Load puck onto transfer fork, pump intro and load sample puck onto the carousel.
6. Set filament current to 1.80 amps.
7. Transfer puck to stage.
8. Use 3 kV setting to set Z position to correct working distance.

9. Choose beam conditions for analysis and acquire survey.

10. Return puck to carousel.

11. Remove puck from chamber.

12. Remove sample from puck and return puck to vacuum chamber.

13. Turn off high intensity light.

14. Turn off pumping unit.

15. Set filament current to 1.30 amps.