

Automatic Freeze Substitution (AFS) Protocol

1. Ensure a full dewer of nitrogen is available.
2. Turn on black switch located on the back on the control box.
3. Fill up AFS with liquid nitrogen, some may boil off so check it is full after roughly 30 minutes. Once the AFS has cooled, the samples can be prepared.
4. Remove samples from storage dewer and place into labelled tubes with the appropriate solution. Load samples into AFS specimen containers and close glass plate.
5. Choose the desired setting – program 2 for freeze substitution. Check the temperatures match the program on the wall. Press start.
6. Once the program has completed remove samples and place in freezer.
7. Start bake out, program 0. Press start, once this has finished, switch off.