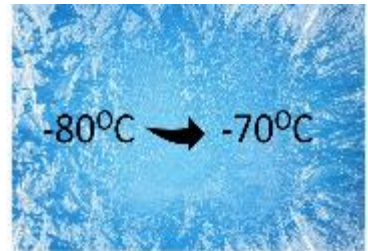


Hints and tips:

Reducing Energy Consumption

1. ULT freezers

- a. Temperature:
 - a. Increase the temperature from -80°C to -70°C .
- b. Management:
 - a. Use racking to maximise storage space.
 - b. Standardise recording and labelling of samples.
 - c. Create freezer inventories.
- c. Maintenance:
 - a. Regularly clean filters and remove ice build up from seals.
 - b. Completely defrost once a year.
 - c. Fill empty spaces with polystyrene boxes.



2. Fume hoods

- a. Keep the sash as low as possible when working and close when not in use.
- b. Do not use fume hoods for excess storage.
- c. Work at least 15cm inside the hood and place any items at least 20cm behind the sash, 10cm from the sides and so nothing is blocking the back.
- d. If it is safe to do so switch off when not in use.



3. Smaller Items of Equipment

- a. Measure how long it takes heat blocks and refrigerated centrifuges to heat up and cool down and write this down and stick to the equipment.



4. Turning off equipment

- a. Switch off equipment when it is not in use.
- b. Use stickers to advise lab users what can and cannot be switched off.

5. Booking Sheets

- a. Make booking sheets available for both large and small equipment.

Please get permission before switching off.

ITEM:

USER:

DATE:

TIME (FROM/TO):