

COLD LABORATORIES REGULATION

I. Introduction to the facilities

UNIS provides two cold laboratories for any kinds of measurement or experiment under cold temperature. The temperature is controlled by a probe situated in the middle height in the room. Temperature can be set up in two modes:

- a. constant temperature
- b. sliding temperature

A computer outside controls the system and display the room temperature at three levels (bottom, middle and top).

In the labs, there are several devices such as:

1. a water tank (FRYSIS)
2. a ruban saw
3. a thin section device (MICROTOM)
4. a compression device (KNEKKIS)

II. Use of the cold laboratories

The low temperature, the presence of salt and water in the room affect the equipment. Be aware of rust, moisture and life time of the instruments!

For that purpose, please respect the following rules:

1. The user of the labs must book the room in advance
2. The use of the cold labs is for research only
3. Food and drink are strictly forbidden inside
4. Should you use personal alarm? – contact Lab leader for info
5. Only the samples used for the current experiment are allowed inside. The rest must be stored in another storage room (logistics department or old cold lab)
6. The saws must be used for ice only
7. Don't leave behind any instruments with batteries such as camera, thermometer, driller, etc
8. Don't let any metal piece in contact with the floor or working tables. With salt it gets rusty

- 9.. Clear your device from ice and salt every time you're finished with it
10. Don't let any ice on the floor
11. Don't throw ice in regular trash bins. Throw ice (and ice only) in the ICE BIN, place it outside the lab when full and empty it in the sink when it's melted
12. A regular trash bin is placed in the entrance room
13. Clean FRYSIS entirely with fresh water. Don't leave the bottom full of water
14. Clean the working tables and floors when the experiment is finished
15. If facing problems with the compressors, get assistance from maintenance technician
16. When maintenance is needed, don't switch OFF or ON the laboratory before getting contact with the maintenance technician
17. During maintenance, switch off the door heating system
18. If the compressors are switched off by mistake, WAIT 10 MINUTES before switching on again
19. The user must be available for helping at the maintenance
20. The user must not leave the room while filling up FRYSIS, as to avoid any salt water leakage in the lab and, by extension, the corridor.

III. Use of the computer room

It is possible to change the temperature of the cold labs yourself. But for it you need to:

1. Get an introduction to the program DESIGO from the computer responsible
2. Make sure that parallel experiments won't be affected by a new temperature
3. If facing problems with the program, DON'T SWITCH OFF the computer! Get assistance from the computer responsible

IV. Contact list

Morten Andreassen, maintenance technician:	internal phone	64 99
Gerd-Irene Sigernes, laboratory leader	: internal phone	33 64
Anatoly Sinitsyn, computer responsible	: internal phone	33 54

When signing this document, you accept and respect the conditions for use of the facilities.

Longyearbyen, (date)

User

Lab supervisor / Computer responsible

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