

Dear all,

Here is my monthly letter as a delegate for the Environment and Sustainable development at Onc-Pat. I previously listed for you some astonishing statistics on energy and water consumption by our research.

This letter will be entirely devoted to the ultra-low temp, ULT, freezers. There is a way to decrease the energy consumption by increasing the temp from -80 to -70. This 10-degree difference saves up to 40% of energy! (-20 freezer consumes 80% less energy!). Here are the publications on this subject [Resources - International Laboratory Freezer Challenge](#) showing that -70 is safe storage for various samples. This proposal will be raised centrally at BioClinicum. There is an ongoing worldwide competition between scientists aimed to minimize the energy use by the freezers [International Laboratory Freezer Challenge - Home](#). Join it!

A few tips for you:

1. Remove snow and ice from your ULT freezers to save energy and your samples
2. Remove unneeded or non-viable samples from -80 freezers. Store DNA samples at -20!
3. Defrost your ULT freezers – see below

#### DEFROSTING -80 FREEZERS - 2021

- NinoLab technicians recommended to defrost ULT freezers at least once every second year.
- Starting next week, we will defrost 6F (Grandér/Hansson) in J6:30
- We will use an empty -80 freezer 7E in J7:30 to store the racks
- Contact me who wants to go next!

Our motto: We can make a difference!



I'll be back!

Katja