

Tissue cell culture room VBC5 4th floor – General information

- The contact person for the TC room is Alexander Vogel (Yudushkin group).
- The responsible person for the TC room is Irma Querques.
- The two hoods can be used in parallel by two users. Hoods need to be booked using the PPMS system. Please, do not leave the hoods open while not working.
- Everyone teaches mammalian cell culture work and procedures to new users from their respective labs
- General rules:
 - tip boxes should always be taken out of the hood
 - everyone should take care of the TC room, take trash out, keep it clean etc.
 - everyone should label their stuff properly
 - bin under the hood must be changed every week (trashed by last user on Fridays).
- General stuff to order with departmental budget (done by Julia Westermayer – Leonard/Querques group)
 - 70% EtOH
 - glass Pasteur
 - small waste bags
 - mycoplasma test labels
- Apart from these general items, other consumables in the TC room belong to each lab/group. So, hands off! ☺
- Shelves in the fridges and freezers are dedicated to each lab/group as indicated by the labels. Some groups share these shelves.
- Hood filters and incubators checking is done once a year by the company Lindner (next appointment December 2024).
- A general cleaning day is organized once a year before Christmas by the contact person in accordance with other users.

Tissue cell culture room VBC5 4th floor – General rules

Don't bring unnecessary stuff into this room, no contamination risks, no gloves, no lab coats. We use specific TC equipment and consumables for TC, extra tips as well. Use disposable plastic pipets only.

Avoid contamination from outside

After entering TC you immediately have to wash your hands with soap and then disinfect them with EtOH. Put on your gloves and disinfect them thoroughly.

You must wear a TC room dedicated lab coat with long sleeves and cuffs (ask Julia Westermayer for purchasing one) that can be found inside the room. Tie your hair. Lab coats can be washed if left in the washing kitchen on Floor 0 (Isabel). Lab coats must be washed every 1-2 months depending on usage.

Do not use watches and phone in the TC room. Calculators and timers are available in the TC room.

ANY contamination, large or small, or any unexplained morphology in your cells MUST immediately be reported to the TC room responsible person (Alexander Vogel) and the TC room user mailing list.

Mycoplasma

is a genus of tiny bacteria (~0.1µm in diameter) and it is a serious threat to cell culture experiments. To assure that our cultures are safe, every TC room user is preparing samples to be subjected to Eurofins mycoplasma contamination tests once month (samples can be taken at any point throughout the month and been frozen). Samples are sent for testing to Eurofins by a designated person the first week of each month. Please, ask other users (or Alexander Vogel /Irma Querques) how this can be done as soon as you start using the TC room. Mycoplasma test will need to be done every time a new cell line/aliquot is used. Eurofins tests are compatible with the usage of Penicillin/Streptomycin in the cultures.

For that purpose, just pool your cells and let them grow for at least 3 days without exchanging media, e.g., over the weekend.

Laminar flow hoods

We have 2 hoods, hence please **empty the laminar flow hood ASAP** so that others can use it. **Don't leave stuff in the hoods if you're not actively using it or taking a break.** Book the hoods in advance via the booking system (PPMS). Please, do not leave the hoods open while not working.

It is compulsory to keep the UV lamp ON for 30 minutes after you are done with your work.

Keep extremely clean. Clean incubators with EtOH. If you spill something on the shelves, please clean them immediately with EtOH. If you spill something into the incubator water, the water has to be exchanged immediately and the basin cleaned with EtOH. The **water** is (only) **one time distilled** (MQ can harm the metal).

TC duties

One user for each lab is assigned to do certain duties in a regular manner (once every two weeks). For now (February 2024), those include:

Hood cleaning

Clean hood thoroughly lifting the metallic plate. Ask Toni Manolova (Falk group) to be included in the user and TC duties list.