

## I. General rules for the operation of the Walk-in Chamber

1. Before using the air-conditioned boxes (hereinafter Units) in the chamber, the Units **must be booked** via the reservation form on the website: <https://pgf.umbr.cas.cz/equipment.html>. The maximal duration of the reservation is 4 months with the possibility of re-booking Units, again for 4 months (except departments with a priority right for the duration of their solved projects, from which the purchase of equipment was partially paid). If you use the Unit without a reservation and someone else books it properly, that user will continue to use it and your samples **will be removed**.
2. **It is forbidden to change the temperature and humidity settings in the whole chamber.** Changes in the setting of parameters of individual Units (temperature, lighting, programs) can be made by **the growth infrastructure technician (hereinafter technician; II., 3.)** (only on working days) or an **authorized and trained person** (one person from each department). Due to the daily control of the set parameters, **the technician (II., 3.)** must **always** be informed about the parameter settings, their possible changes (temporary shutdown), and the use of external devices (shaker, humidifier, etc.).
3. Enter the chamber through a hygienic adhesive pad (in front of the chamber) and a disinfection mat (in the chamber). **BEWARE the slippery surface of the chambre after the shoe disinfection.** Please, overstep the blue sticky pad while leaving the chamber.
4. If UVA LED lights are switched on when working in the box, always wear safety goggles (available inside the chamber).
5. Any defects that you notice in the chamber (failure of cooling, lights, damage to the wall or structure of the chamber, etc.) report as soon as possible to **the technician (II., 3.)** or (in the absence of technician) **the secretary of the institute (II., 2.)** who may order a repair from an authorized company.
6. **Always** label the experimental cultures (flowerpot, petri dish, Erlenmeyer flask, etc.) with a description and contact details. **Genetically modified cultures (GMO) have to be always marked by a red dot or „T“ as transgenic.**
7. If there is no test material in the Units (a pause during the ongoing experiment), the authorized staff of the department or **the technician (II., 3.)** (on request) stops the running protocol and switches off the Unit (stand-by mode) or external equipment.
8. If you plan to end the experiment before the reservation expires, inform **the technician (II., 3.)** as soon as possible so that the Unit can be released for further reservation. **The technician** will always notify you one week in advance of the (regular) end date of the reservation you have entered.
9. The authorized employee is obliged to restore the box to its original condition on the final day of the reservation, (remove containers and external equipment, dispose of unnecessary experimental cultures appropriately and properly clean them).

Subsequently, the worker hands over the box to **the technician (II., 3.)**, who disinfects it.

### **I. A) Walk-in chamber 1**

1. The air-conditioned boxes in Walk-in chamber 1 are intended only for **in-vitro (or hydroponics)** cultivation of experimental bacterial cultures, algae, and plants within the framework of IPMB scientific projects. Growing and cultivating other plants, algae and bacteria for non-scientific purposes is not permitted!
2. Use only closed in-vitro cultures (Petri dishes, flasks covered with aluminum foil, etc.).

### **I. B) Walk-in komora 2**

1. The air-conditioned boxes in the Walk-in chamber 2 are intended only for growing **in-soil** experimental cultures (especially) of plants within the framework of ÚMBR scientific projects. Growing and cultivating other plants for non-scientific purposes is not permitted!
2. Avoid any contamination of the unit surface by overflow during the watering (proper plates, trays, etc.). Treat **marked GMO plants properly** (prevent the spontaneous seed dispersal etc.).
3. Use only **healthy plants** (transplanting from clean in-vitro cultures to substrate, sterilized seeds). **Consider substrate treatment** (in some cases it is not possible - plants sensitive to the presence of microorganisms in the soil, etc.). If the seeds have not been obtained from plants growing in a sterile environment (both from your plants or those from a shop), they must be **surface sterilized before planting**. If this is not possible, contact **the technician (II., 3.)**.
4. It is **forbidden** to transfer plants from greenhouses or growth chambers (phytotrons) to the chamber in order to prevent the transmission of diseases and pests.
5. Any handling of the soil and transplanting of plants intended for cultivation in the Walk-in Chamber will only be performed in a place **reserved for this purpose** (corridor in front of the Walk-in Chamber 1). Keep the preparation tables clean and leave all material (flower pots, trays, etc.) under the tables. **All generated waste is taken away by the user immediately after the end of the use of the preparation place and disposed of in an appropriate way.**
6. Do not enter the chamber if you have previously been in a **greenhouse or near ornamental plants** (office). Consider the order of work during the day in the individual cultivation areas regarding the level of "cleanliness": **Walk-in chamber – Reach-in chambers in the hall phytotrons - greenhouse.**
7. Always wear a **lab coat** in the chamber. Either use your own lab coat or share one within your department. Leave the lab coat in the locker near the preparation desk.

8. Always water with **your** sprinkler, which (if possible) leave in the Unit you are using for the duration of your reservation.
9. If you notice the occurrence of pests (thrips, whiteflies, spider mites, scale insects, blackflies) or fungal diseases (mildew), inform **the technician (II., 3.)** as soon as possible. The possible use of pesticides must be consulted with PSI and other users (oil-based products can harm filters; pesticides could spread into other Units).

## **II. Important contacts**

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