

WORKING AREA:
TUMmesa (PTC)
An der Mühle 20
85354 Freising

Workplace: **S1-ANNEX 1205**
Building **4275**
Rooms **0-02** (Climate chambers), **0-03** (Autoclave room)

SCOPE OF APPLICATION

Genetic engineering work of safety level 1
TUM mesa phytochamber facility

DANGERS FOR PEOPLE AND THE ENVIRONMENT



§7 GenTG: " Genetic engineering work shall be assigned to safety level 1 if, according to the state of scientific knowledge, no risk to human health and the environment is to be assumed". In the genetic engineering facilities, work is carried out with GMO plants that have been developed according to the guidelines of safety level 1.

PROTECTIVE MEASURES AND RULES OF CONDUCT



TUMmesa => Most of the experiments are done with **non-transgenic material**

Rules of conduct for **ALL USERS** (*stay in an S1 facility*)

- The project manager shall **instruct all users** and employees in the form of a written instruction with control questions before the start of employment or once a year.
- Doors kept closed during work
- Empty laboratory benches after each work session; observe hygiene and skin protection plan
- Eating, drinking, smoking, snuffing, putting on make-up and storing food and stimulants as well as bringing pets into the S1 area are prohibited.
- No other chambers may be entered.
- Main and side entrance doors must **ALWAYS** be locked.
- The project leader logs the experiments in progress using a registration form that includes Form-Z (*FZ only fill in users with S1 experiments*).

Additional rules of conduct for **USERS with S1-Plant-Experiments**

- **all work takes place exclusively in the climate chambers**
- **No direct transformation work may be carried out in the** chambers (especially microbiological and molecular biological work). Only GMO plants are cultivated here.
- Climate chambers with S1 experiments are **clearly marked** on the outside
- **Protective clothing** (protective gowns) is worn in the S1 chambers.
- **Cleaning** of the chamber after the end of the experiment using S1 vacuum cleaner and **disinfection** with Bacillol and 3% bleach
- **Any transport** of GMOs takes place **exclusively** in **MESA-S1 transport boxes**, also within the facility and from chamber to chamber (standing in the autoclave room).

STORAGE AND DISPOSAL

- **No GMOs are stored** in TUMmesa.
- For **inactivation**, GMOs, their reproducible organs as well as their substrate are collected **in the chamber in autoclave bags**, packaged and **autoclaved** before disposal according to posted instructions (room 0-03). The autoclaving process must be **documented** in the list on display.

ACTION IN CASE OF MALFUNCTIONS & EMERGENCIES

- Incidents or emergencies => notify the project manager (PL) and/or the Biological Safety Officer (BBS).
- Major incidents => additionally the emergency number at the Government of Upper Bavaria during office hours: **089-2176-0**
24h emergency call: **09131-6808-2500** (LGL alarm centre)

CONTACT PERSON & FIRST AIDER



Emergency
call:112

ILF (representative of the operator– TUM): Prof. Dr. Johannes Kollmann, Tel. 08161-71-4144
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