## **Occupational Health and Safety**



## **Guidelines for Biosafety Level 1 laboratory (BSL1 or P1)**

Biosafety Level 1 laboratory is only for **risk group 1** organisms!

Learn how to use the scientific instruments at your disposal and consult the Material and Safety Data Sheet (MSDS) of each chemical used in your experiments.	or ask a colleague
Locate close-by emergency equipment (chemical and biological spill kits, eyewash stations, chemical showers).	EMERGENCY SHOWER & EYE WASH Spill kit
Lab coat in cotton, long sleeves. Remove it when leaving the lab. Wear clothes that protect your legs.  No open shoes. Tied hair.  Plants are not permitted in the laboratory.	
Wear adapted gloves for protection against chemicals or microorganisms. Remove gloves when leaving the lab, opening doors, calling elevators, using a keyboard, answering the phone etc.	
Do not reuse disposable gloves. Remove gloves safely. After disposing the gloves, thoroughly wash your hands with soap and water!	
Safety goggles/protective glasses for activities with chemicals; face shield against UV.	
No eating, drinking, applying cosmetics, and storing food for human consumption in the laboratory.	
Perform all procedures to minimize the creation of splashes and/or aerosols.  Mouth pipetting is prohibited. Use mechanical pipetting devices.	avoid opening a tube with the thumb
Clean surfaces after completion of work and after any spill and before disinfecting!	DISINFECT WORK SURFACES AND EQUIPMENT ON A REGULAR BASIS

Biosafety guidelines P1 laboratory 21.08.2021

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Sort out the waste:

Sort out household waste according to the various categories: paper, cardboard, batteries, plastics, electronics etc.



Separate household waste from laboratory waste. Domestic trash is for non-contaminated objects (no chemicals, no P1 biological material, no GMO)



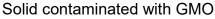
Laboratory waste: separate liquid from solid

with Solid contaminated material without biological **GMO** 











Collected liquid waste into a plastic container.

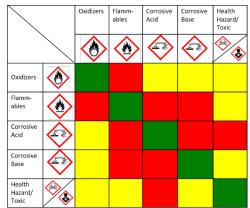


Label the liquid waste and choose the corresponding OMoD code.

Use a cap with a disruption disk to prevent from overflowing and blowing up.



Respect chemical incompatibilities for liquid waste.



Use of needles and syringes or other sharp instruments:







break needle





- Do not store large volume of liquid nitrogen (V of LN2 < 0.3 V of the room).
- Make sure that all activities involving genetically modified material are notified to the Office of Biotechnology (contact biosafety@epfl.ch)