












Guidelines for Biosafety Level 1 laboratory (BSL1 or P1)

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

<p>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.</p>	
<p>Locate close-by emergency equipment (chemical and biological spill kits, eyewash stations, chemical showers).</p>	
<p>Lab coat in cotton, long sleeves. Remove it when leaving the lab. Wear clothes that protect your legs.</p> <p>No open shoes. Tied hair.</p> <p>Plants are not permitted in the laboratory.</p>	
<p>Wear adapted gloves for protection against chemicals or microorganisms.</p> <p>Remove gloves when leaving the lab, opening doors, calling elevators, using a keyboard, answering the phone etc.</p>	
<p>Do not reuse disposable gloves. Remove gloves safely. After disposing the gloves, thoroughly wash your hands with soap and water!</p>	
<p>Safety goggles/protective glasses for activities with chemicals; face shield against UV.</p>	
<p>No eating, drinking, applying cosmetics, and storing food for human consumption in the laboratory.</p>	
<p>Perform all procedures to minimize the creation of splashes and/or aerosols.</p> <p>Mouth pipetting is prohibited. Use mechanical pipetting devices.</p>	
<p>Clean surfaces after completion of work and after any spill and before disinfecting!</p>	

Sort out the waste:

<p>Sort out household waste according to the various categories: paper, cardboard, batteries, plastics, electronics etc.</p>																																																					
<p>Separate household waste from laboratory waste. Domestic trash is for non-contaminated objects (no chemicals, no P1 biological material, no GMO)</p>																																																					
<p>Laboratory waste: separate liquid from solid</p>																																																					
<p>Solid contaminated with biological material without GMO</p> 	<p>Solid contaminated with chemical substances</p>  	<p>Solid contaminated with GMO</p> 																																																			
<p>Collected liquid waste into a plastic container.</p>  <p>Label the liquid waste and choose the corresponding OMoD code.</p> <p>Use a cap with a disruption disk to prevent from overflowing and blowing up.</p> 		<p>Respect chemical incompatibilities for liquid waste.</p> <table border="1" data-bbox="1037 1070 1524 1473"> <thead> <tr> <th></th> <th></th> <th>Oxidizers</th> <th>Flammables</th> <th>Corrosive Acid</th> <th>Corrosive Base</th> <th>Health Hazard/ Toxic</th> </tr> </thead> <tbody> <tr> <th></th> <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Oxidizers</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Flammables</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Corrosive Acid</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Corrosive Base</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>Health Hazard/ Toxic</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Oxidizers	Flammables	Corrosive Acid	Corrosive Base	Health Hazard/ Toxic								Oxidizers							Flammables							Corrosive Acid							Corrosive Base							Health Hazard/ Toxic						
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<p>Use of needles and syringes or other sharp instruments:</p>																																																					
 <p>DO NOT put fingers inside container</p>	 <p>DO NOT remove needle</p>	 <p>DO NOT bend or break needle</p>	 <p>DO NOT recap needle</p>																																																		

- 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)