

Guidelines for Biosafety Level 2 laboratory (BSL2 or P2)

Risk group 2 organisms must be handled in a Biosafety Level 2 laboratory!

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| <p>Basic rules described in BIO Safety Card BSL1 apply.</p> <p>All P2 activities must be notified to the Office of Biotechnology, and derogations to standard P2 safety measures must be authorized by the federal authorities. Contact biosafety@epfl.ch.</p> | |
| <p>COSEC and Biosafety EPFL validate the CAMIPRO rights to access the P2.</p> <p>The "FOBS 3 biological risk" training is mandatory.</p> | |
| <p>Entering the P2</p> <ol style="list-style-type: none"> Do not access with the P1 lab coat Step on the sticky mat or put on cover shoes Wear gloves Wear protective glasses / goggles Wear the appropriate lab coat | <p>Leaving the P2</p> <ol style="list-style-type: none"> Remove protective glasses / goggles Remove the lab coat Remove cover shoes Remove the gloves and wash / disinfect your hands Step on the sticky mat |
| <p>All activities must be confined:</p> <ul style="list-style-type: none"> Cultures are set in closed vessels Solid waste bag inside the biosafety cabinet must be closed before to be trashed in the main solid waste bin Buckets or rotors equipped with sealed lids. In case of centrifugation problems (improper balance, tube damages), wait 30' to allow aerosols sedimentation before opening the lids FFP2 or FFP3 respiratory masks must be considered in the absence of primary containment | |
| <p>Risk group 2 samples are double-packaged for internal transport.</p> <p>The external packaging must be unbreakable and waterproof.</p> <p>P2 samples that are not stored inside the P2 laboratory must be double-packaged.</p> | |

Waste containing risk group 2 organisms must be inactivated before elimination:

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| <p>Solid waste: autoclave</p> <p>When $\frac{3}{4}$ full, close the bags and decontaminate the outside before leaving the P2 laboratory.</p> | <p>Disinfectant → Autoclave → Inactivated waste</p> | | | | | | | | | | | | | | | | | | |
| <p>Liquid waste: chemical inactivation or autoclave.</p> <p>Chemical inactivation: Add the appropriate decontaminant to liquid waste, let it to react at least overnight before elimination.</p> <p>Autoclave: do not add any solvent or disinfectant to liquid solutions that must be autoclaved.</p> <p>Inactivated liquid waste must be eliminated as special waste (code OMoD: 18 01 02).</p> | <p>pre fill with chemical → post fill with chemical → Inactivated biological waste</p> <table border="1"> <tr> <td>EPFL</td> <td>Remettre à la commission de triage</td> </tr> <tr> <td colspan="2">Déchets spéciaux Sonderabfälle Rifiuti speciali</td> </tr> <tr> <td colspan="2">Code OMoD : 18 01 02</td> </tr> <tr> <td colspan="2">Groupe: Déchet biologique inactif/ Inactivated Biological waste</td> </tr> <tr> <td colspan="2">Préciser toutes les informations relatives au traitement.</td> </tr> <tr> <td colspan="2">Nom: Désinfectant utilisé/ used:</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Hypochlorite de sodium finale 2% max.</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Virkon® <input type="checkbox"/> autre:</td> </tr> <tr> <td>Date:</td> <td>pH: Mélange:</td> </tr> </table> | EPFL | Remettre à la commission de triage | Déchets spéciaux Sonderabfälle Rifiuti speciali | | Code OMoD : 18 01 02 | | Groupe: Déchet biologique inactif/ Inactivated Biological waste | | Préciser toutes les informations relatives au traitement. | | Nom: Désinfectant utilisé/ used: | | <input type="checkbox"/> Hypochlorite de sodium finale 2% max. | | <input type="checkbox"/> Virkon® <input type="checkbox"/> autre: | | Date: | pH: Mélange: |
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| <p>In case of biohazard spill outside the biosafety cabinet:</p> <ul style="list-style-type: none"> • All P2 users must quit the P2 lab immediately • Put on the door the biohazard spill alert notice • Call the 115 for assistance. | <p>BIOHAZARD SPILL DO NOT ENTER → 115 SOS</p> | | | | | | | | | | | | | | | | | | |
| <p>In case of accident (ex: injury, spill in the eyes):</p> <ul style="list-style-type: none"> • Use the appropriate emergency equipment (eyes washer, disinfectant, ...) available in the lab • Call 115 for assistance | <p>115 SOS</p> | | | | | | | | | | | | | | | | | | |
| <p>When working alone, wear the Man-Down (DATI) system necklace.</p> <p>It warns the rescue team by triggering an automatic call in case of accident, fall, aggression either by a manual alert or by detection of the loss of verticality.</p> | <p>Operation LED / beeper STOP Cancellation button (Not in use) HAND Alarm</p> <p>115 SOS EPFL protection of isolated workers</p> | | | | | | | | | | | | | | | | | | |