

SV SAFETY CARDS

Card N°3

Working in a biomedical research laboratory with moderate risks (BSL2 - P2)

1. All the basic rules described in the document entitled "SVsafetyCard - N°2" for BSL1/P1 level apply, unless overruled by one of the below-mentioned case.
2. Access in a P2 laboratory is restricted to authorized persons only.
 - CAMIPRO access rights are granted only after training by your COSEC or by the person in charge of the specific P2 laboratory.
 - The P2 access form must be signed by the trainee, the trainer and the biosafety manager.
3. The personal protective equipment must be systematically worn in the P2 laboratory:
 - Blue surgery gown with fastening in the back.
 - Gloves (consider double gloving depending on the type of activities).
 - FFP2 or FFP3 respiratory masks must be considered in the absence of primary containment.
4. When working with risk group 2 organisms:
 - All activities should be confined¹ (use of primary containment):
 - Work in a biosafety cabinet (laminar flow).
 - Cultures are set in closed vessels.
 - Centrifugation is performed in 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.
 - Risk group 2 samples are double-packaged for internal transport and storage.
5. All waste that was in contact with risk group 2 organisms must be inactivated before elimination.
 - For heat inactivation, collect the solid waste in the recommended autoclave bags and the liquid waste in adequate autoclave vessels. When $\frac{3}{4}$ full, close the bags or the vessels, decontaminate the outside with the appropriate decontaminant (leave enough contact time).
 - Do not add any solvent or bleach to liquid solutions that must be autoclaved.
 - For chemical inactivation of liquid solutions, add the appropriate decontaminant. Let react at least overnight before elimination. Attention: most decontaminating solutions must be eliminated like chemicals and should not be discarded in the sink (e.g. bleach)
6. Clean and decontaminate the safety cabinet and the bench surfaces after each use.
7. Wash the floor at least once a week (report cleaning in a logbook)
8. Remove gloves and lab gown before leaving the laboratory
9. Change your P2 gown at least once a week
10. When working alone during off-hours, you must wear the man-down emitter necklace

¹ Some activities, such as stereotaxic injection of viral vectors, cannot be confined. Those activities must first be assessed by the School biosafety coordinator and then authorized by the State authorities. Generally, only the injection steps are authorized outside the confinement. Growth and preparation of risk group 2 viral vectors remain sheer confined activities.