

Containment level 1 - Laboratory Facilities

Design Features and Technical Characteristics
<ul style="list-style-type: none">• The laboratory has a sink for handwashing and decontamination.
<ul style="list-style-type: none">• The personnel have access to a change room for protective clothing. Protective and street clothing cannot be in contact.
<ul style="list-style-type: none">• Bench tops are easy to clean, impervious to water and resistant to acids, alkalis, organic solvents, and disinfectants and chemicals normally used in the laboratory for decontamination.
Safety equipment
<ul style="list-style-type: none">• An autoclave is located on site.
Work practices*
<ul style="list-style-type: none">• Restricted access to authorised and informed personnel.
<ul style="list-style-type: none">• The room access door is labelled with the following information:<ul style="list-style-type: none">○ Containment level,○ Coordinates of the responsible person for the area.
<ul style="list-style-type: none">• Protective laboratory clothing is worn. Protective clothing is dedicated to the contained area and is not worn outside.
<ul style="list-style-type: none">• Outside manipulations, viable genetically modified (micro)-organisms are contained within closed systems (tubes, flasks, etc.).
<ul style="list-style-type: none">• The creation of splashes and the formation of aerosols are minimized.
<ul style="list-style-type: none">• Mechanical pipetting devices are used. Mouth pipetting is prohibited.
<ul style="list-style-type: none">• Eating, drinking, smoking, handling contact lenses, applying cosmetics, and storing food for human consumption are not permitted in the laboratory.
<ul style="list-style-type: none">• All the manipulated and stored genetically modified (micro)-organisms are recorded in a register.
<ul style="list-style-type: none">• Control measures and control equipment as well as protective equipment are adequately and regularly tested.
<ul style="list-style-type: none">• The workers wash their hands when they leave the contained area, before beginning another activity and each time it is proved necessary.

- Work surfaces are decontaminated with an appropriate disinfectant after work is finished and after any spill of biological material.

- Directions for use of disinfectants are available for the personnel. Depending on the purpose, instructions precise the kind of disinfectant to use, its concentration, and contact time.

- Instruction of the personnel on biosafety aspects is organized as well as a follow up and regular updates.

- Personnel is advised of special risks they are exposed to and are required to read instructions on work practice.

- Animal spreading in the laboratory is forbidden.

Waste management

- Management of wastes and/or residual biological material satisfies the following conditions:
 - Contaminated wastes and/or residual biological material and contaminated disposal are inactivated by an appropriate and validated method before disposal, e.g. by autoclaving or incineration. Incineration is performed in an agreed installation. Bags and containers used for infectious waste collect are resistant, sealable, labelled with the biosafety symbol and closed before leaving contained area.
 - Before washing, reuse and/or destruction, contaminated material (glassware, slides, etc.) is inactivated by an appropriate and validated means.

*Use of a horizontal airflow cabinet is prohibited for the manipulation of genetically modified (micro)-organisms.