

## Containment Level 2 Checklist – Additional Requirements for Prions

This checklist includes the additional requirements for all work areas where activities with prions are conducted on top of the CL2 requirements that are mandatory for all the CL2 facilities.

[Canadian Biosafety Standard, Third Edition - Canada.ca](#)

<b>Principal Investigator</b>		<b>Lab Location</b>	
<b>Tel #</b>		<b>Email</b>	
<b>Faculty</b>		<b>Department</b>	

### Physical Containment Requirements

Ref.	Items	Yes	No	Comments
<i>Containment Barrier</i>				
3.1.2	Windows on the containment barrier to be secured in a closed position at all times.			
<i>Access</i>				
3.2.5	Restricted access into the containment zone to be provided through a controlled access system.			
3.2.10	Dedicated change area to be provided to facilitate entry and exit procedures and the separation of personal clothing from dedicated PPE that has been worn (i.e., "clean" change area separated from "dirty" change area).			
<i>Surface Finishes and Casework</i>				
3.3.3	In accordance with function, surfaces to be continuous and sealed with adjacent and overlapping materials.			
<i>Facility and services</i>				
3.5.2	Exposed conduits, piping, and other services at or below the work surface, and any other surface that may become contaminated, to be mounted in a manner that allows for decontamination of all surfaces.			
3.5.14	Services and equipment critical to containment, including biosecurity, to be supported by emergency power, or to fail in a manner that prevents a breach of containment or biosecurity.			

## Operational Practice Requirements

Items		Yes	No	Comments
<i>Personal Protective Equipment</i>				
<b>4.3.3</b>	Gloves to be worn when handling regulated materials or regulated animals.			
<i>Entry and exit</i>				
<b>4.4.3</b>	A key control mechanism to be in place when controlled access systems include key locks or key card readers.			
<b>4.4.10</b>	Personal belongings and items for personal use not required for work to be left outside the containment zone or in change areas outside the containment barrier.			
<b>4.4.21</b>	Dedicated and activity-specific PPE to be doffed when exiting the containment zone, containment barrier, animal room, animal cubicle, or PM room.			
<i>Work Practices</i>				
<b>4.5.15</b>	Primary containers of regulated materials removed from the containment zone to be stored in a labelled, leak-proof, impact-resistant secondary container, and kept in locked storage equipment and within an area with limited access.			
<b>4.5.24</b>	Centrifugation of regulated materials to be carried out in sealed safety cups or rotors that are unloaded in a BSC or other primary containment device using a mechanism that prevents their release.			
<i>Records and documentation</i>				
<b>4.9.7</b>	Drawings and physical specifications of all structures and services pertaining to the containment zone, including "as built" drawings updated with any modifications, to be kept on file. [Not required for CL2 SA zones.]			

## Performance and Verification Tests for All Containment Levels

Items		Yes	No	Comments
<i>Additional Performance and Verification Tests for Select containment zones</i>				
<b>5.2.1</b>	Performance and verification tests described in 5.2.3-5.2.15 to be conducted and documented prior to initial use, and at minimum every two years thereafter, or more frequently as necessitated by: <ul style="list-style-type: none"> <li>a) a change, repair, or modification that may affect biocontainment;</li> <li>b) a condition of licence;</li> </ul>			

	<p>c) a condition of terrestrial animal pathogen import permit; or</p> <p>d) a request from the PHAC or the CFIA.</p> <p>[In CL2 SA zones, only required where prions are handled.]</p>			
<b>5.2.3</b>	<p>Operation of controlled access systems and security systems to be verified to function as intended.</p> <p>[In CL2 SA zones, only required where prions or SSBAs are handled.]</p>			
<b>5.2.4</b>	<p>Emergency power and UPS systems to be verified to function under representative electrical load conditions.</p> <p>[In CL2 SA zones, only required where prions or SSBAs are handled.]</p>			
<b>5.2.5</b>	<p>Seals, surfaces, and penetrations of the containment barrier to be visually inspected to confirm their integrity.</p> <p>[In CL2 SA zones, only required where prions are handled.]</p>			
<b>Performance and verification tests to be conducted during commissioning and at specified intervals for all containment zones</b>				
<b>5.3.2</b>	<p>During commissioning, emergency power and UPS systems to be verified to function under true switch-over and electrical load conditions.</p> <p>[In CL2 SA zones, only required where prions or SSBAs are handled.]</p>			

**Abbreviations and Acronyms**

<b>BSC</b>	Biological safety cabinet
<b>CBS</b>	Canadian Biosafety Standard
<b>CFIA</b>	Canadian Food Inspection Agency
<b>CL</b>	Containment level (i.e., CL1, CL2, CL3, CL4)
<b>PHAC</b>	Public Health Agency of Canada
<b>PM room</b>	Post mortem room
<b>PPE</b>	Personal protective equipment
<b>SA zone</b>	Small animal containment zone
<b>SSBA</b>	Security sensitive biological agent
<b>UPS</b>	Uninterruptible power supply