

**Specification of Competency Standards**  
**for the Testing, Inspection and Certification Industry**  
**Unit of Competency**

Functional Area - Testing Operations

Title	Follow bio-safety rules and precautions
Code	105810L3
Range	This unit of competency (UoC) covers the abilities to follow established rules and apply precautionary measures to maintain bio-safety by preventing the occurrence of bio-hazards in the workplace environment.
Level	3
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of biological hazards and the relevant health and safety requirements</p> <ul style="list-style-type: none"> <li>• Identify biological hazards in the laboratory and testing environment: <ul style="list-style-type: none"> <li>○ bio-hazards,</li> <li>○ environmental hazards.</li> </ul> </li> <li>• Characterise the nature and the property of hazards, e.g.: <ul style="list-style-type: none"> <li>○ causes and consequences,</li> <li>○ respective preventive/protective measures.</li> </ul> </li> <li>• Apply the knowledge of workplace health and safety requirements.</li> </ul> <p>2. Follow established bio-safety rules and operate appropriate equipment for bio-hazard elimination</p> <ul style="list-style-type: none"> <li>• Follow the standard operating procedures on taking precautions against bio-hazards, e.g.: <ul style="list-style-type: none"> <li>○ disinfect work area regularly,</li> <li>○ handle sharps waste properly.</li> </ul> </li> <li>• Operate equipment to prevent and eliminate the outbreak of bio-hazards at different circumstances in the laboratory, e.g.: <ul style="list-style-type: none"> <li>○ transfer of bio-hazardous wastes,</li> <li>○ disposal of bio-hazardous wastes.</li> </ul> </li> <li>• Use proper personal protective equipment when handling bio-hazardous wastes.</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Periodically check the validity and efficiency of the bio-safety measures in the workplace environment.</li> <li>• Take responsibilities for safety of oneself and other people working in the laboratories.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> <li>• follow the established rules and apply precautionary measures correctly on handling bio-safety issues,</li> <li>• handle, transfer and dispose of biological samples safely by using appropriate equipment,</li> <li>• clean and disinfect the work area and equipment to prevent cross-infection and contamination.</li> </ul>
Remark	