

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

Functional Area - Testing Operations

Title	Perform sterilisation and aseptic techniques
Code	105808L3
Range	This unit of competency (UoC) covers the abilities to perform sterilisation and aseptic techniques to maintain the integrity and purity of both the sample source and the sample and disinfect work area and equipment in testing laboratories.
Level	3
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of disinfection and sterilisation methods</p> <ul style="list-style-type: none"> <li>• Describe relevant methods and technologies of disinfection and sterilisation including: <ul style="list-style-type: none"> <li>○ bleaching agents,</li> <li>○ autoclaving,</li> <li>○ UV radiation.</li> </ul> </li> <li>• Describe various precautions and techniques when handling, transferring and disposing of samples in an aseptic manner.</li> </ul> <p>2. Perform sterilisation and aseptic techniques</p> <ul style="list-style-type: none"> <li>• Apply appropriate disinfection and sterilisation techniques, and use appropriate equipment and materials for performing aseptic procedures.</li> <li>• Undertake various disinfection / sterilisation procedures with precautions in handling, transferring and disposing of samples.</li> <li>• Clean and disinfect work area and equipment after use.</li> </ul> <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> <li>• Take responsibilities for personal hygiene to prevent cross-contamination.</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> <li>• apply appropriate disinfection and sterilisation methods according to the type of aseptic experiments and standard operating procedures,</li> <li>• handle, transfer and dispose of samples aseptically by using appropriate equipment and materials,</li> <li>• clean and disinfect work area and equipment to prevent cross-infection and contamination.</li> </ul>
Remark	