



Australian Government

Assessment Requirements for FBPLAB2002

Prepare laboratory solutions and stains

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has prepared laboratory solutions and stains, including:

- safely preparing at least three examples of working solutions and/or stains
- accurately labelling each solution or stain
- calculating the quantities involved on each occasion and any dilutions required
- storing solutions and stains appropriately according to light, temperature, contamination and shelf-life
- disposing of waste in line with environmental guidelines on each occasion
- ensuring work takes place in a sanitised environment
- accurately recording workplace information.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose and features of basic laboratory equipment
- purpose and features of a range of basic laboratory solutions and stains
- effect of inappropriate storage on solution and stain quality and performance
- effect of process stages on results and outcomes
- calculations required to prepare specified amounts of solutions of specified concentration
- common causes and consequential effects of inaccuracies or contamination, and preventive or corrective action required
- workplace procedures for preparing solutions
- health and safety hazards and controls
- procedures and responsibility for reporting problems
- environmental issues and controls

- cleaning of equipment and work area
- recording requirements and procedures.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a standard laboratory or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - a laboratory space equipped with basic test equipment, sterilisation equipment, common measuring instruments, reagents, containers and storage facilities.
- specifications:
 - standard methods, workplace procedures, SDS and equipment manuals.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>