



Australian Government

Assessment Requirements for MSMBIO304 Separate and recover bioproducts

Release: 1

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Modification History

Not applicable.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- followed processes to separate and recover at least 1 batch of bioproduct.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- bioprocessing products derived from separation and recovery process
- separation and recovery processes, equipment and tools, including:
 - standard operating procedures
 - sensors
 - factors affecting efficient operation of the equipment
 - correct methods of starting, stopping, operating and controlling the equipment
 - physics of operation, including behaviour of solids, liquids and gases, effects of phase changes, and effects of temperature and pressure
 - function and troubleshooting of major internal components, including contaminants, supports, nozzles and grids; and typical problems
 - process parameters and limits, including temperature, pressure, flow and pH
 - work health and safety (WHS) procedures including personal protective equipment (PPE) requirements
- environmental risks and protection policies
- process control software and documentation
- how to handle, store and transport materials and wastes
- separation and recovery hazards, risks and control measures, including:
 - fire and explosion
 - hearing
 - respiratory
 - chemicals
 - boilers
 - manual handling
 - confined space
 - falls

- cleaning and sanitising procedures and why they are important.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions, contingencies, facilities, equipment and resources.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet. -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>