



Australian Government

Assessment Requirements for SFIAQU306 Monitor production and maintain algal or live-feed cultures

Release: 1

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Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

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 monitored the production and maintenance of algal or live-feed cultures on at least one occasion, including:

- communicating with supervisor on production schedule, labour and equipment requirements
- checking the serviceability of equipment, including the fitting of personal protective equipment
- planning and communicating production procedures for algal or live-feed cultures and safety precautions to team members
- preparing nutrient formulae or media and altering the physicochemical environment to meet the culture species requirements
- monitoring the maintenance of culture production and harvest process
- maintaining accurate records on culture production activities
- maintaining a hygienic work area and equipment during and after culture production.

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:

- inoculation culture required to achieve stocking density
- nutrient formulae or media requirements for species during culture period
- operation process for effective production of algal or live-feed cultures:
 - setting up
 - initiating and breeding
 - monitoring health and growth
 - harvesting and cleaning up
- signs of health or ill health in species, and mitigation methods

- risk factors that could affect the quality of algal or live-feed cultures during production
- physicochemical requirements for the culture species
- cross-contamination minimisation techniques
- relevant legislation relating to algal or live-feed culture production.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - inoculum culture
 - monitoring equipment
 - nutrient formulae or media
 - production and harvest equipment
 - personal protective equipment
 - production vessels and water treatments
 - water sampling tests
- specifications:
 - production schedule and workplace procedures for algal or live-feed cultures production, including advice on health and safety and hygiene requirements
- relationships:
 - evidence of interactions with supervisor and team members.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>