
MICROBIOLOGY
Culture and identify fungi to five groups

level:	5
credit:	4
final date for comment:	November 2003
expiry date:	December 2004
sub-field:	Science
purpose:	People credited with this unit standard are able to culture fungi and identify fungi to phylum or class level.
entry information:	Recommended: Unit 8029, <i>Demonstrate knowledge and ability to work safely in a microbiological laboratory</i> ; and Unit 8040, <i>Perform aseptic laboratory techniques</i> ; or demonstrate equivalent knowledge and skills.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established and directed external moderation system has been set up by NZQA on behalf of the Science and Technology National Standards Body.
special notes:	1 All work must be carried out in accordance with the Quality Management System adopted by the laboratory.

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- 2 Health and Safety practices must conform with AS 2243: 1993 *Safety in Laboratories*, the Health and Safety in Employment Act 1992, and their subsequent amendments.
- 3 The underpinning knowledge for this unit is - fungal structure and metabolism.

Elements and Performance Criteria

element 1

Culture fungi.

performance criteria

- 1.1 Media are selected appropriate to organism to be cultured.
Range: selective media, differential media, enriched media.
- 1.2 Pure cultures are established.

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element 2

Identify fungi to phylum or class level.

performance criteria

- 2.1 Criteria for classification are described for a nominated classification system.
- 2.2 Representative is identified using morphological characteristics and reproductive structures.
- 2.3 Sexual and asexual reproductive structures are differentiated.
- 2.4 Identification processes are documented in accordance with laboratory protocol.

Comments to:

Science and Technology National Standards Body
Unit Standard Revision
PO Box 160
WELLINGTON

by November 2003.

Please Note: Providers must be accredited by the Qualifications Authority before they can offer programmes of education and training assessed against unit standards.

Accredited providers assessing against unit standards must engage with the moderation system that applies to those unit standards. [Please refer to relevant Plan ref: 0152]