

Title	Describe the role of microorganisms in industrial processes		
Level	6	Credits	4

Purpose	People credited with this unit standard are able to describe the role of microorganisms in industrial processes.
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Classification	Science > Microbiology
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Available grade	Achieved
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Guidance Information

Recommended for entry: Unit 8023, *Demonstrate and apply knowledge of microorganism biochemical pathways.*

Outcomes and performance criteria

Outcome 1

Describe the role of microorganisms in industrial processes.

Range fermentation of a substrate, biosynthesis, bioconversion of a substrate molecule, production of whole microorganism, production of part of a microorganism.

Performance criteria

1.1 Microorganism activity is described for the conversion of raw material to a desired product for an industrial process.

1.2 Steps in the industrial process are described in terms of the microorganisms role in the conversion.

Range evidence of reagents and products is required. This does not include structures of molecules.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 December 1996	31 December 2014
Review	2	24 February 1998	31 December 2014
Review	3	23 November 1999	31 December 2014
Review	4	21 May 2010	N/A
Rollover	5	27 January 2015	N/A
Review	6	27 September 2018	N/A

Consent and Moderation Requirements (CMR) reference

0113

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact NZQA National Qualifications Services nqs@nzqa.govt.nz if you wish to suggest changes to the content of this unit standard.