

<b>Title</b>	<b>Work safely in a microbiological laboratory</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	<p>This unit standard is for any person working in a technical capacity in a microbiological laboratory.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of microbiological hazards; and follow microbiological laboratory procedures for health and safety practices</p>
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<b>Classification</b>	Science > Science - Core
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work must be carried out in accordance with the quality management system, documented protocol system or Standard Operating Procedures (SOP) acceptable in a commercial or research laboratory.
- 2 Health and Safety practices must conform to Australian/New Zealand Standard AS/NZS 2243 – *Safety in Laboratories* Parts 1, 2, 3, 7 and 10 available at <http://www.standards.co.nz> and <http://infostore.saiglobal.com/store>.
- 3 This standard may be assessed using simulated conditions.
- 4 Legislation applicable to this unit standard includes:  
Health and Safety at Work Act 2015;  
Hazardous Substances and New Organisms Act 1996.
- 5 Glossary  
*Laboratory procedures* refer to documented systems or processes of operation which may be found in a SOP manual, quality management system, or in protocol system documentation. These procedures are external and/or internal laboratory requirements governing laboratory work.
- 6 Recommended for entry: Unit 497, *Demonstrate knowledge of workplace health and safety requirements*; Unit 26117, *Work safely in a science laboratory*.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of microbiological hazards.

Range microbiological hazards include – cultures, spills, aerosols, disposal, contamination from handling; evidence of one example for each hazard is required.

### Performance criteria

- 1.1 Microbiological hazards are identified in accordance with laboratory procedures.
- 1.2 Examples of hazards are described in terms of consequences and how they are managed in accordance with laboratory procedures.

### Outcome 2

Follow microbiological laboratory procedures for health and safety practices.

### Performance criteria

- 2.1 Safe working practices are demonstrated in accordance with laboratory procedures.  
  
Range safe handling techniques, storage, clean-up, disposal.
- 2.2 Incidents and accidents relating to health and safety are managed, reported, and documented in accordance with laboratory procedures.

<b>Planned review date</b>	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	24 September 1996	31 December 2014
Revision	2	19 February 1998	31 December 2014
Review	3	23 November 1999	31 December 2014
Review	4	22 September 2004	31 December 2014
Review	5	21 May 2010	N/A
Rollover	6	27 January 2015	N/A
Review	7	27 September 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0113
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

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