

Title	Precipitate a protein and perform a dialysis		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: precipitate a protein; and select and perform a dialysis of a protein precipitate.
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Classification	Science > Biochemistry
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Available grade	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) typically 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>.
- 3 Legislation applicable to this unit standard includes:
Health and Safety at Work Act 2015;
Hazardous Substances and New Organisms Act 1996.
- 4 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.

Outcomes and performance criteria

Outcome 1

Precipitate a protein.

Performance criteria

- 1.1 Protein is precipitated in accordance with technique and laboratory procedures.
- 1.2 Protein recovered retains biochemical properties after the precipitation.

Outcome 2

Select and perform a dialysis of a protein precipitate.

Performance criteria

- 2.1 Dialysis membrane is selected in accordance with the molecular weight of protein, and the membrane is prepared, in accordance with manufacturer's instructions.
- 2.2 Dialysis is carried out to separate components in accordance with laboratory procedures.
- 2.3 Protein recovered retains biochemical properties after dialysis.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions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	23 November 1999	31 December 2014
Review	3	17 September 2010	31 December 2025
Rollover	4	27 January 2015	31 December 2025
Review	5	27 September 2018	31 December 2025
Review	6	30 November 2023	31 December 2025

Consent and Moderation Requirements (CMR) reference

0113

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