

Title	Perform paper, thin layer, and column chromatography		
Level	5	Credits	4

Purpose	People credited with this unit standard are able to: perform chromatographic techniques; and interpret results.
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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) 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 Evidence of chromatography techniques must include – paper, thin layer, column. These chromatography techniques could include using cellulose, ion exchange, exclusion, affinity, or silica.
- 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.

Outcomes and performance criteria

Outcome 1

Perform chromatographic techniques.

Performance criteria

- 1.1 Solvent system is selected appropriate to separation requirements.
- 1.2 Medium is selected appropriate to the sample.

1.3 Detection method is selected appropriate to the sample.

1.4 Selections made are justified in accordance with laboratory procedures.

Outcome 2

Interpret results.

Performance criteria

2.1 Results are recorded and analysed in accordance with laboratory procedures.

2.2 Interpretation is consistent with results and sample.

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Status information and last date for assessment for superseded versions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	17 September 2010	31 December 2025
Rollover	2	27 January 2015	31 December 2025
Review	3	27 September 2018	31 December 2025
Review	4	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>.