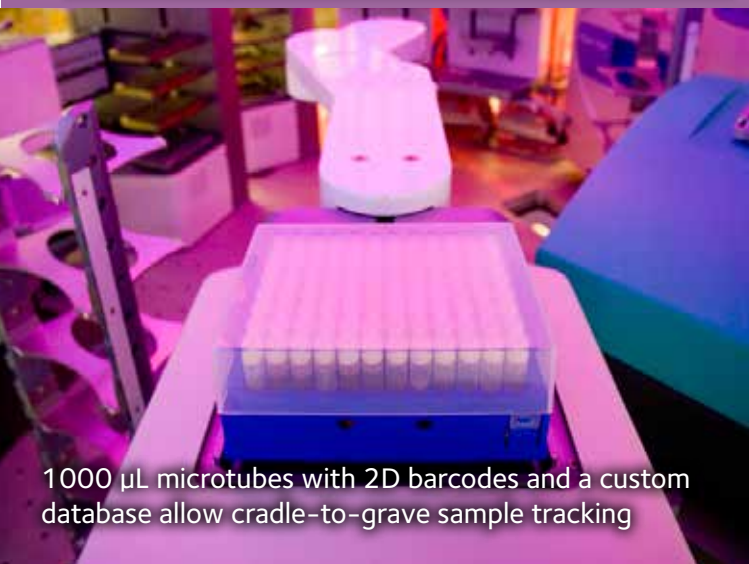


Our Open Collections

The collections summarised below are available for screening. Contact us for more details.

Collection	Format	Owners	Sample Information
Open Collection (Academic)	>18,000 pure compounds in tubes	Academic Groups	Log P, MW, HBA, HBD, PSA, chiral centres, chemical fingerprint
Open Collection (Scaffolds)	>33,000 pure compounds in tubes	Purchased	Log P, MW, HBA, HBD, PSA, chiral centres, chemical fingerprint
Eskitis Institute Nature Bank	>216,000 fractionated natural product extracts in tubes and plates	Griffith University	Taxonomic and chromatographic profile
AIMS Natural Product Collection	>22,000 extracts in tubes	AIMS	Taxonomic profile



1000 µL microtubes with 2D barcodes and a custom database allow cradle-to-grave sample tracking

Know more. Do more.

Ranked in the world's top 5 per cent

Gold Coast - Logan - Mt Gravatt - Nathan - South Bank

Based on rankings analysis including the Academic Ranking of World Universities.

The Queensland Compound Library is part of the Eskitis Institute at Griffith University

The QCL is funded by Griffith University, the Queensland Government's Smart State Research Facilities Fund and the Commonwealth Government's Super Science program.



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Griffith
UNIVERSITY
Eskitis Institute

Queensland Compound Library



Bringing chemists and biologists together

griffith.edu.au/qcl

griffith.edu.au/qcl

The Queensland Compound Library is a National Resource

The Queensland Compound Library (QCL) is Australia's national repository for compounds. QCL enables access of these collections by life science research teams. We store compounds in fully trackable microtubes and microtitre plates.

An Easy Collaboration Model

Collections are well characterised with calculated chemical properties including log P, molecular weight and chirality. QCL provides compounds in assay-ready microplates without structures for screening.

Post-screening, QCL provides contact to compound owners for independent project follow up and disclosure of structures. QCL does not take an ownership stake in resulting or background IP.

Interior of BioCél plate formatting robot



Access a Diverse Collection

We store thousands of compounds and natural products submitted by Australian universities and research organisations. Compounds are well-characterised and can be dispensed into 96-, 384- or 1536-well microplates.

Diverse Subsets for Cost-Effective Screening

With our partners at the **Queensland Facility for Advanced Bioinformatics** we have clustered the Open collection to pre-select subsets of 1000, 2000 and 5000 compounds. These diversity subsets provide a cost-effective means to undertake initial high throughput screening.

Advanced Liquid Handling

QCL houses a Labcyte Echo®, a revolutionary acoustic liquid handling system. The Echo® can dispense down to 2.5 nanolitres into 96, 384 and 1536 well microplates in multiple assay-ready templates.

Storage of Compound Libraries

QCL provides curation of compounds in microtubes or in 96- and 384-well microtitre plates. Storage can be either Open (compounds are accessible to collaborators for screening) or Closed (storage and curation only). Plates can be sealed and dispatched around the world to screening centres.

griffith.edu.au/qcl