



Our Storage Platforms

Compounds Australia at Griffith University is Australia's only dedicated compound management and logistics facility. It is a national resource that allows chemists to deposit small molecules into a central repository enabling quick and efficient access by life science drug discovery teams.

Compounds Australia are leaders in providing innovative sample management to Australia's researchers. Being the first academic group worldwide to bring the advantages of FluidX™ AcoustiX™ microtube technology, combined with the Beckman Echo 650T and automated integrated storage together to provide the next generation of compound management to Australia.

Members of Compounds Australia can access and/or deposit compounds with the intellectual property retained by the member that deposits the compound. Compounds are stored in 2D barcoded microtubes and/or microplates under industry standard storage conditions that ensure sample integrity and extension of compound library life, providing substantial long-term cost benefits.

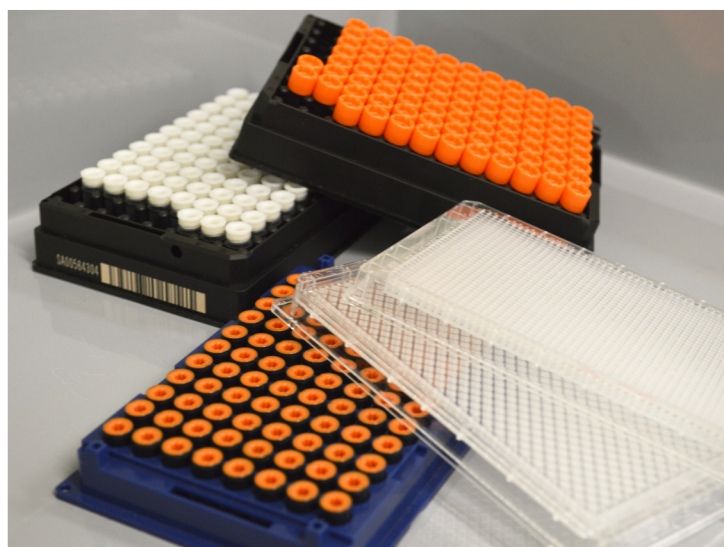
Compounds Australia supports the following storage labware:

Microtubes

	Working Volume	Storage
FluidX 96-Format, 0.5ml External Thread, Next-Gen Jacket, Tri-Coded Tube (Sealable with screw caps/TPE septum caps)	50-500 μ L	Hamilton Verso M3
FluidX™ AcoustiX™ Sample Tube - Labcyte® Echo® Qualified Consumable	20-70 μ L	Brooks SampleStore™

Microplates

	Working Volume	Storage
Greiner 650201 96 Well Microplate, PP, U-bottom Clear	30-300 μ L	Hamilton Verso M3
Greiner 784201 384 Well Microplate, PP, Small Volume, Deep Well, Clear	1-90 μ L	Hamilton Verso M3
Labcyte PP-0200 Echo Qualified 384-Well Polypropylene Microplate 2.0 (384PP 2.0) Flat bottom, Clear	15-65 μ L	Hamilton Verso M3
Labcyte LP-0200 Echo Qualified 384-Well Low Dead Volume Microplate (384LDV) Flat bottom, Clear	2.5-12 μ L	Brooks SampleStore™
Labcyte PL-0400 Echo Qualified 1536-Well Low Dead Volume Microplate (1536LDV) Flat bottom, Clear	1.0-5.5 μ L	Brooks SampleStore™



Automated Storage Options

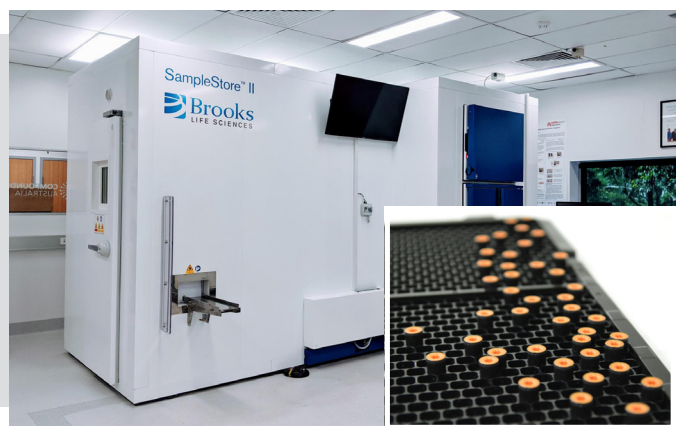
Compounds Australia offers 2 multimodal high-density automated storage solutions – Hamilton Verso M3 and Brooks SampleStore™. Compounds Australia has a legacy suite of SPT Labtech ComPOUNDS that provided the initial storage backbone of the facility (and also the inspiration for the Compounds Australia logo).

	Tubes	Plates	Temperature	Atmosphere
Hamilton Verso M3	550,000	10,000	4°C	10% RH
Brooks SampleStore™	400,000	4,000	18°C	10% RH

Brooks SampleStore™

ACRF Centre for
COMPOUND MANAGEMENT
AND LOGISTICS

The Brooks SampleStore™ is the dedicated automated storage platform for the FluidX™ AcoustiX™ microtube and Labcyte Low-Dead Volume microplates and is fully-integrated to the HighRes Biosolutions robotic sample management platform. The store's central shuttle, plate selector and AcoustiX™ tube picker will manoeuvre the combined 4000 microplate and 400,000 AcoustiX™ microtube capacity of the store and deliver to the sample management platform via an integrated handoff arm. The store is regulated to 18°C and 10% relative humidity to enable robust sample dispensing via the integrated Beckman Echo 650T and Agilent Bravo from the stored labware.



Hamilton Verso M3

The Hamilton Verso M3 provides automated compound storage capacity for 550,000 tubes and 10,000 plates under tightly regulated environmental conditions (4°C, 10% relative humidity). The Verso offers flexible internal configuration to accommodate a wide range of labware, with a combined microtube and plate picker, environmentally controlled thawing module and a handoff arm for integration to a robotic platform. The temperature difference between the two automated stores is due to polypropylene microplates requiring storage at temperatures below 10°C to prevent sample wicking and cross-contamination between sample wells.

Coming soon...

In December 2023, Compounds Australia is updating our storage offerings to include -20°C. Stay tuned for updates, or contact us if you're interested in taking advantage of this new service.

If you would like more
information, please get in
contact with us:

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