

## Resources

Gold Coast Biobank's storage capacity include standard -20°C freezers, -80°C freezers and the state-of-the-art automated biostorage (up to 100,000 x 0.75ml tubes) solution, the arktic. Along with our biostorage services, we also provide DNA and RNA extraction services as well as database hosting and digital pathology.



- The first arktic, automated -80°C freezer in the southern hemisphere
- Capacity: 100,000 specimens



Biobanking workflow and data managed by a powerful and intuitive integrated biospecimen management system

## Bridging the gap in translational research and clinical care



*Specimens available:*

### Breast Cancer Biobank

Developed through a collaborative partnership between Griffith University and Cancer Council Queensland (CCQ). The project established a breast cancer repository of 2000 samples collected from Queensland women diagnosed with breast cancer.

### Environments for Healthy Living (EFHL)

The Griffith Study of Population Health. EFHL is a prospective, multi-level, multi-year longitudinal birth cohort study, designed to collect information from before birth through to adulthood across a spectrum of eco-epidemiological factors, including genetic material from cord-blood samples at birth, individual and familial factors, to spatial data on the living environment.

Detailed information on each participant is obtained at birth, 12-months, 3-years, 5-years and subsequent three to five yearly intervals.

Griffith University's Menzies Health Institute Queensland (MenziesHIQ) is committed to translating innovative health research into better health outcomes by centralising and developing one biobanking resource.

### Vision

To be the central biospecimen resource for medical researchers on the Gold Coast and Southeast Queensland.

### Mission

Our mission is to provide high quality standardised specimens to facilitate cost-efficient research in developing new diagnostics and therapies for achieving better health outcomes in those affected by chronic diseases.

## Contact us

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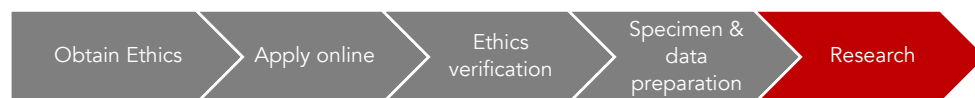
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## Access specimens and de-identified data

Over 10,000 biospecimens are available for research. Access over 3,000 biospecimens from Breast Cancer patients and 1,500 placenta cord blood specimens.



## Start and manage your own biobank and data

Start and manage your own biobank, storing and managing your specimens and data with us. Only you and your research staff have access to your data.

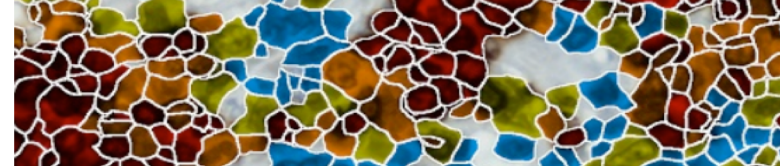


## Price structure

Biospecimens	Costs	Database hosting	
Receiving samples per specimen	\$10	Project management setup	\$350
Phlebotomy per specimen	\$20	Access fee – 1 user/year	\$200
Oral swab per person	\$5	Access fee – 2 users/year	\$350
Urine per collection	\$8	Subsequent additional user/year	\$120
DNA extraction per specimen	\$18		
RNA extraction per specimen	\$25	Administrative support per hour	\$50
Manual retrieval of samples	\$100	Data entry	\$35
Dispatch of samples	*subject to quote		
Storage of samples per ml/year (Standard -80 Freezers)	\$0.40	<b>Digital pathology</b>	
Storage of samples per 0.75ml tube/year (Automated arctic)	\$0.70	Pathology consultation per hour	\$250
		Pathology consultation per day	\$1000
		Pathology consultation per week	\$2000

\*Prices vary for Griffith University researchers, please contact the Biobank Manager before your application.

\*Prices are valid for 2019. Prices are subject to change, please confirm with the Biobank Manager before your application



Quantitative Digital Pathology-Immunohistochemistry (QDP-IHC) provides expert assessments using the latest technology represented by GenASIs HiPath. This is the only software available in Australia that holds the approval from the Australian Register of Therapeutic Goods (ARTG Identifier 293777).

Evaluation scenarios

- histopathological diagnosis and research
- biomarker research and development
- clinical trials and personalised medicine
- biobanking and tissue diagnosis
- next generation sequencing.

### WHAT IS GENASIS HIPATH?

GenASIs HiPath makes it possible to obtain high resolution images while simultaneously quantifying various immuno-histochemistry antibodies including those that have a very low expression in the setting of usual light manual microscopy. It enables the establishment of tumour burden algorithms as well as other biomarker quantitative parameters, H-scores, co-localization and others that have a crucial role in clinical and research settings.

Essentially, it is possible to provide a fast and accurate evaluation of all the nuclear and membranous immuno-histochemistry markers including Her2-neu, PDL1-PD1, S-100 and many other markers.

Quantitative Digital Pathology-Immunohistochemistry is much more than an image scanning and analysis method tool. It is applicable in both clinical and research fields, saving costs and time, providing a better workflow management and improved outcomes.

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