



BIOBANK CORE



**HKU
Med**

LKS Faculty of Medicine
Centre for Panoromic Sciences
香港大學泛組學科研中心

What is a Biobank?

A Biobank is a secure repository that stores and manages biological samples, such as blood, tissue, and nucleic acids, along with associated data. These invaluable resources form the foundation for groundbreaking discoveries and advancements in healthcare.

The discipline of biobanking has been well-established for over two decades, garnering support from international professional societies and dedicated academic journals. Biobanks have emerged as crucial assets in medical research, facilitating diverse types of contemporary studies such as genomics and personalized medicine.



BIOBANK CORE

Unlocking the Future of Medical Research

The Biobank facility was established by the Li Ka Shing Faculty of Medicine in early 2015, and subsumed under the Centre for PanorOmic Sciences (CPOS) in Aug-2019.

Biobank Core aims to provide an optimal bio-repository system to facilitate the processing of raw biological samples into appropriate storage forms. It is also to provide a secure and well-organized environment for the consolidation and storage of these samples.

As a comprehensive multi-omics service centre, CPOS offers a seamless solution with its Biobank Core serving as a pivotal component. Biobank Core plays the integral role by processing and storing top-notch clinically annotated biological samples that are readily available for downstream core platforms to conduct subsequent analysis. The resultant data holds immense value in revealing essential insights into scientific discovery leading to disease prevention, diagnosis, and treatment.



Key Features and Services

Biobanking Solution

We provide project consultation to support researchers. Our biobanking solutions are efficient, scientific, and flexible. We also assist in developing customized workflows that cover the entire process from sample collection and sample processing to inventory management. We support researchers with biobanking solutions that foster their success.



Sample processing

We process a wide range of biological samples from consenting individuals:

- Blood
- Swabs
- Stool
- Urine
- Saliva
- Frozen tissue / biopsy



*Please enquire for processing of specific sample types.

Before storage, specimens are processed in our sample processing laboratory which is equipped with the following:

- Biological safety cabinets
- Refrigerated centrifuges
- Freezers and refrigerators
- Other standard molecular laboratory equipment

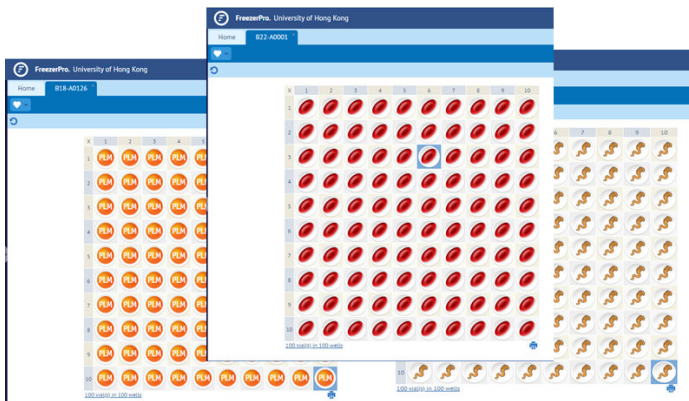


Sample storage and Inventory management

Our bio-repository services also include tailored storage options that are cost-effective and secure, granting researchers the necessary flexibility in their work.



We employ robust sample management systems to securely store and organize biological samples. Efficient inventory tracking is ensured.



Storage rental Service

We provide storage rental service options to meet the diverse needs of researchers.

- Freezer rental
- Floor space rental
- Project based rack rental
- LN2 tank storage space rental



Security and Monitoring

Our freezer storage rooms are equipped with advanced facilities to maintain optimal storage conditions. 24-hours freezer temperature, room temperature, humidity, power supply and site door status are monitored. Biobank colleagues and users will be notified immediately when any of the conditions is out of range. IP cameras are also installed to provide round-the-clock surveillance of all areas within the Biobank sites.

Maintaining the integrity of biospecimens is of utmost importance to us. We diligently uphold this integrity throughout the entire process, from sample collection and transfer to processing and storage. This commitment is crucial to obtaining quality samples and associated data.

Get more information at



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