

Next Generation Biobanking

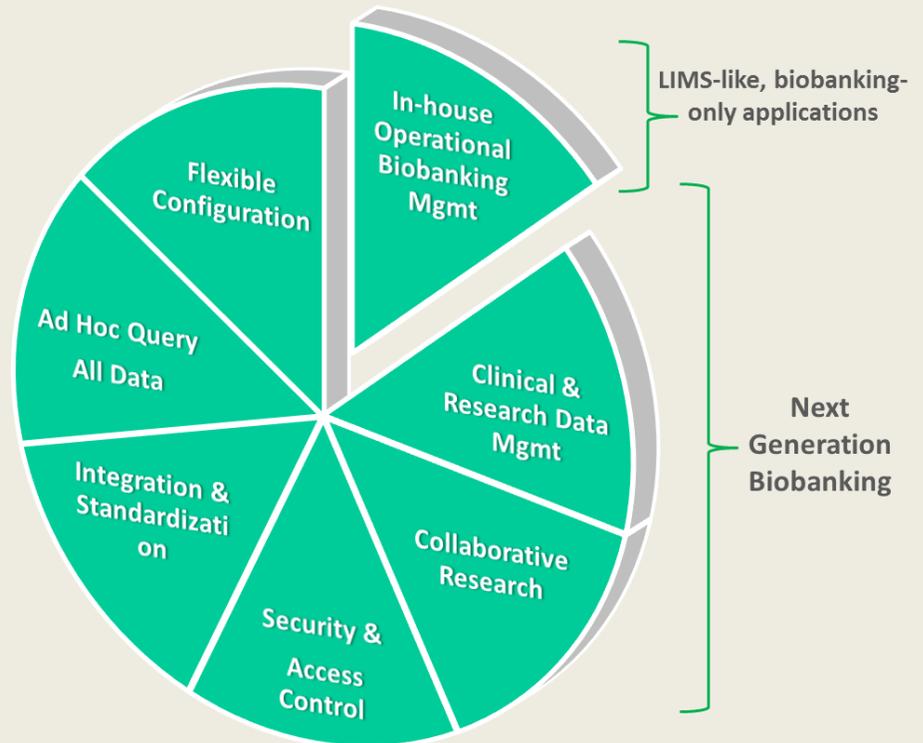
Benefits

Harmonization of biospecimens with clinical and molecular information: generation of scientific insights requires tight linkage of the biospecimen with comprehensive molecular and clinical data collected during the course of a research study

Enhanced security and compliance: enforcement of fine-grained access and security controls, on all data linked to samples, to ensure compliance with patient consent and regulatory guidelines

Support for multi-site, multi-investigator collaborative studies: supplying a critical information infrastructure to enable the distributed research ecosystem and its network of investigators, labs, biobanks, and other collaborators

www.biofortis.com



Background

A biobank is a liability, not an asset – unless and until it can provide significant value for scientific research. Traditional LIMS and biobanking software offers a standard set of well-established operational biospecimen management functions, so much so that these features can be regarded as commodities.

At BioFortis, we see the biobank as just one component in an integrated translational and clinical research ecosystem. This ecosystem requires an IT solution that seamlessly supports data integration, management, and search capabilities, *in addition* to operational biobanking workflows.

With our Next Generation Biobanking software solution, Labmatrix™, you can reap the benefits of a well-annotated patient and biospecimen database that supports precision medicine, clinical trials, translational research, and patient registries.

Features

- ❖ Track study protocol, donor subject, and biospecimen data in a centralized database
- ❖ Manage physical and virtual biospecimen inventories and workflows across multiple storage facilities
- ❖ Create user-defined data capture forms and fields with flexible user interface spaces
- ❖ 100% user-configurable search and report on ALL data points
- ❖ Powerful data import and integration across multiple data sources – without programming
- ❖ Enforce data access and regulatory compliance across all collaborators and partners

BIOFORTIS
Precision Medicine // Accelerate

Next Generation Biobanking

"We needed a very powerful data management system that would allow data from a variety of sources to be linked and stored.

Labmatrix aligns each patient's details with genetic and biological analysis of their tumor samples, as well as the results of drug screening in laboratory flasks and biological models.

As you can imagine, these combined tests generates an enormous amount of data, but Labmatrix allows researchers and clinicians to navigate that data very easily.

They are able to see everything they need to know about a patient, including research results and clinical data."

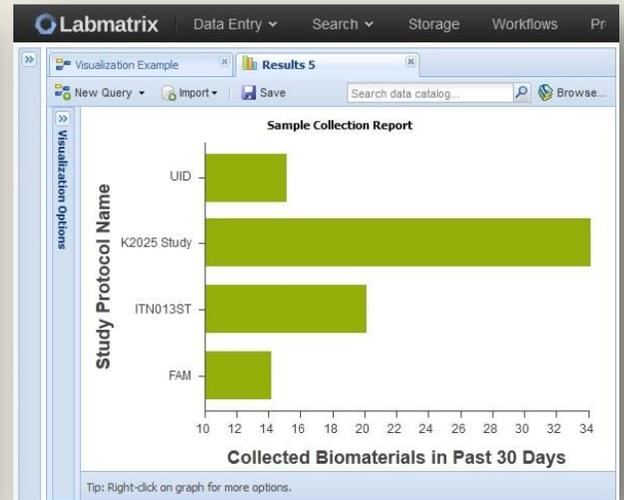
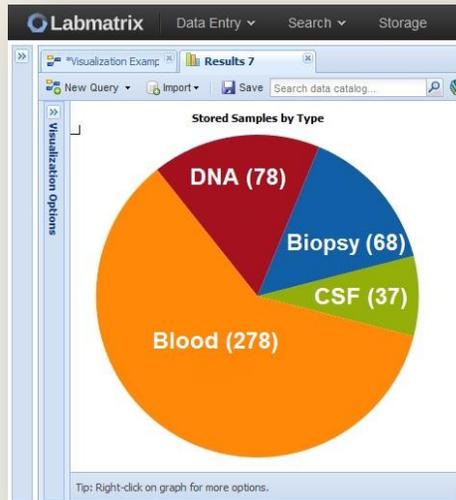
**Executive Director,
Children's Cancer
Institute**

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Modern, browser-based user interface

The screenshot shows the Labmatrix web interface for 'K2025 Biobank Storage'. It features a top navigation bar with 'Data Entry', 'Search', 'Storage', 'Workflows', 'Processes', and 'Reports'. The main area displays a storage tree on the left, a central grid of storage units (A1-F10), and a 'Biomaterial Details' panel on the right. The details panel includes fields for 'Biomaterial Name: Blood 97', 'Barcode: BM97', 'Type: Blood', 'Study Code: K2025 Study', 'Timepoint:', and 'Subject Code: K2025-005'. A 'Remove from Storage' button and a barcode are also visible.

User configurable dashboards and reports



Flexible, enterprise-level data access setup

The screenshot shows the 'Administration' interface. It includes a table of user roles and permissions, and a configuration table for studies.

Role	Subjects	Biomaterials	Study Data	Standalone Forms and Datasources	PHI
Clinical - D6060C00001 - Admin	Update, Create and Delete	Update, Create and Delete	Update	Update, Create and Delete	Yes
Clinical - D6060C00001 - General Requester	Read-only	Read-only	Update	Read-only	Yes
Clinical - D6060C00001 - Pathologist	Update	Update	Update	Update and Create	Yes
Clinical - D6060C00001 - Pathology Scientists	Update and Create	Update and Create	Update	Update and Create	Yes

Configuration	Study	View	Update	Create	Delete
Studies					
Forms	102-15852 (MEL IST)	✓	✓	✗	✗
UI Configurations	Atopic Dermatitis	✓	✗	✗	✗
Barcoding					
Biomaterial Types	BF-201	✓	✓	✓	✓
Container Types					
Aliquot Templates	BioFortis Tissue	✓	✓	✓	✗