



STREAMLINED SAMPLE MANAGEMENT IN A CENTRALIZED FREEZER FARM

APPLICATION

Clinical Research

FACILITY

University Hospital

LOCATION

East Coast, US





“In Bluechiip, we have a collaborative partner that has helped us implement an easy to use inventory system to manage our diverse range of samples in the challenging ultralow temperature conditions”

- Sample Coordinator,
University Hospital

The institute required a solution for managing its samples and standardizing their biobanking process across 20+ user groups, while centralizing the management of 40+ freezers into a new facility.

The solution needed to support tracking and data transfer for the biobank’s various sample types stored in a wide range of containers, including cryovials, cryoboxes, and sample bags at ultralow temperatures.

Bluechiip’s unique advanced sample management solution met the institute’s needs allowing seamless automated digitization, removing manual transcription.



INSTITUTE’S KEY CHALLENGES

MANUAL TRACKING

Spreadsheets and handwritten notebooks were difficult to maintain and provided little control

MULTIPLE DEPARTMENTS

Multiple groups each with their own processes and requirements for managing samples

LARGE VARIETY AND SCALE

The large scale and variety of the existing bank of samples needed to be easily migrated to the new system

SAMPLE TYPES

Human and animal tissue, Lysates, Extracted DNA/RNA, Urine, Whole Blood, Plasma and Buffy Coat

STORAGE

More than forty -80°C Freezers across multiple buildings and laboratories

BACKGROUND

The client is part of a larger academic system in the United States with an emphasis on teaching, research and therapeutic approaches to the care of patients



CONFIDENCE
IN EVERY SAMPLE





KEY BENEFITS

- Standardized workflow
- Automated data updates through frost and at freezer
- Flexibility across multiple sample formats
- Bluechiip Field Product Specialist support

BLUECHIIP SOLUTION

Bluechiip has enabled the client with a centralized and easy-to-use solution for tracking a wide variety of sample types within their new freezer farm. The Bluechiip system allows multiple user groups to follow a standardized banking process, removing the need for manual data input by allowing inventory updates directly at the freezer.

Bluechiip Field Product Specialists provided critical on-site support to assist with training multiple user groups, developing SOPs, and enabling freezers with Bluechiip Enabled Cryolabels.

The Bluechiip system has ensured a smooth transition to a new freezer farm while maximizing the capacity utilization of existing freezers.

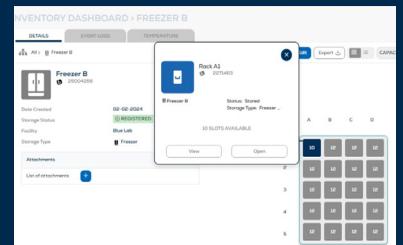
KEY PRODUCTS



Bluechiip Enabled Sample Storage



Bluechiip Handheld Readers



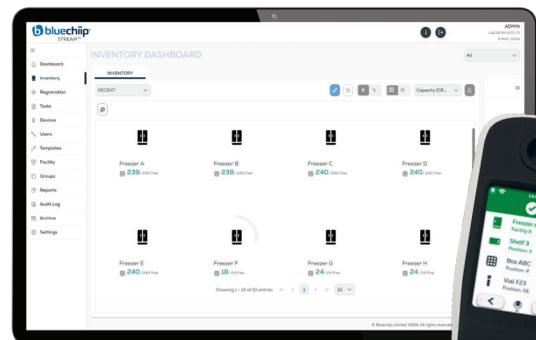
Bluechiip STREAM software



BLUECHIP ENABLED - EXISTING INVENTORY



BLUECHIP ENABLED - NEW INVENTORY



ADVANCED SAMPLE MANAGEMENT SOLUTION



ABOUT BLUECHIIP

Bluechiip, a leader in advanced sample management solutions, understands that every sample is critical. Our objective is to manage each one with optimal quality in the most efficient way. Our range of products and services supports leading laboratories worldwide in clinical research, drug development, and advanced cell and gene therapies.

Bluechiip's Advanced Sample Management Solution uniquely offers sample temperature tracking with ID, even in harsh cryogenic environments to drive productivity and redefine quality, delivering confidence in every sample.