THIRD WAVE ANALYTICS

LOCKBOX LIMS FOR BIOBANKING

Elevate Your Biobanking Processes with Lockbox LIMS



Manage Specimen Receipt through Retrieval

Lockbox LIMS provides biorepositories with everything they need to manage specimens from receipt, to storage, to retrieval. Configure custom CSV upload templates to match your customer's manifest, track specimens as they move between locations, and invoice clients through a customer portal.

Versatile and Flexible for Biorepositories of All Sizes

Configure storage containers and receipt-to-retrieval protocols for just one individual biobank, or a network of associated laboratories, biobanks, and customers.

End-to-End Specimen Tracking

Import specimens, generate barcodes, and track samples as they move through your facility. With Lockbox LIMS, your biobank can:

- Track the full lineage of specimens, including aliquots and derived samples
- Track the number of times a specimen has been thawed
- Set expiration dates for specimens, and create custom email alerts and dashboards
- Generate invoices and distribute them via the customer portal
- Manage subjects, visits/time-points, and cohorts
- Comply with HIPAA with platform encryption features

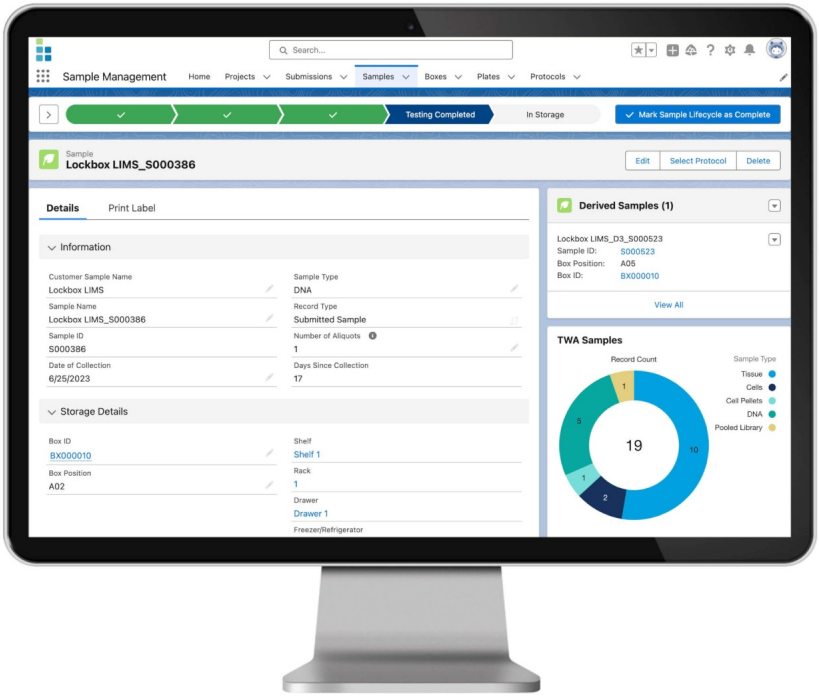


Figure 1: *The Lockbox LIMS sample management module, showing the sample record page for a biobanking lab.*

Watch the Lockbox LIMS Sample Tracking video.

Fully Configurable Storage Containers

Use Lockbox's point-and-click configuration editor to model your locations and create the storage hierarchies specific to your equipment, with no programming required. With Lockbox LIMS, you can:

- Organize storage equipment by building, room, and sub-location
- Create custom field attributes and associate them with any type of storage location
- Configure a unique storage hierarchy for each individual freezer
- View a history of all the boxes and positions a sample has been associated with
- Use profiles and permissions to control freezer visibility across lab groups
- Return information about specific storage equipment when its barcode is scanned

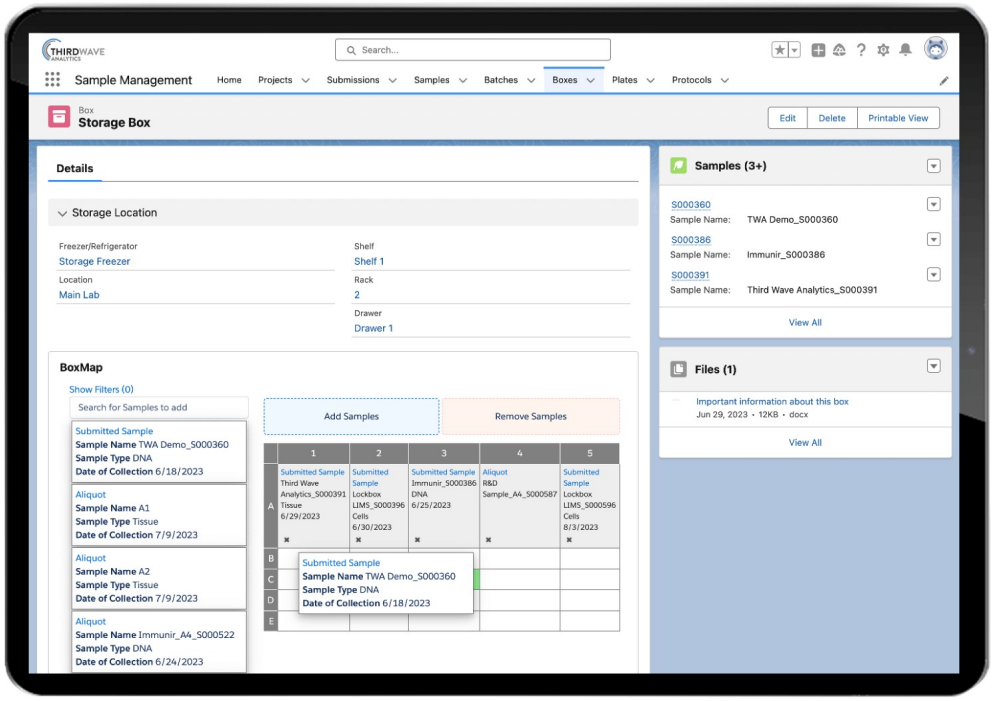


Figure 2: *The Lockbox LIMS Storage Box page, showing a box's exact storage location and a BoxMap of every sample position.*

Learn more about Lockbox's biobanking features.

Frequently Asked Questions

What is a biobanking LIMS?

A biobanking LIMS is a Laboratory Information Management System designed to manage biospecimens throughout their entire lifecycle, from sample receipt and accessioning to storage, retrieval, and distribution. Lockbox LIMS features help biobanks track specimens, storage locations, chain of custody, and associated study data in one centralized system.

Does Lockbox support freezer management?

Yes. The Lockbox LIMS Storage Management module supports custom layouts for freezers, storage boxes, tanks, and incubators, and enables unique combinations of shelves, racks, and custom attributes for each unit so you can track your samples and reagents down to their exact position.

Can Lockbox track freeze/thaw cycles?

Yes. Lockbox LIMS offers automated freeze/thaw tracking, allowing users to mark samples as frozen or thawed, capture freeze and thaw dates, and track the number of thaws. These details are also captured in the field audit trail to ensure full traceability on which user interacted with the sample and when.

Can Lockbox LIMS alert us before specimens expire?

Yes. You can set expiration dates on individual specimens and configure custom email alerts and dashboards, so your team is notified proactively rather than discovering expired samples during retrieval.

Can researchers or clients submit samples through Lockbox LIMS?

Yes. The Lockbox LIMS Customer Portal allows researchers and clients to submit specimens, upload manifests, track sample status, and access reports through a secure online portal.

Does the Lockbox LIMS Customer Portal support invoicing?

Yes. Beyond submissions and status tracking, the Customer Portal lets biobanks generate and distribute invoices directly to researchers and clients, consolidating billing with sample management in one system.

How does Lockbox LIMS help protect biobank data?

Lockbox LIMS includes role-based security, configurable permissions, audit trails, and encryption capabilities to help laboratories protect sensitive research and participant information while supporting regulatory requirements.

Can Lockbox LIMS manage plated or microplate samples?

Yes. Lockbox LIMS includes plate map functionality for biobanks that store and process specimens in microplate formats, letting you visualize and manage well-level sample data alongside your standard storage hierarchy.

Does Lockbox LIMS integrate with lab instruments and other systems?

Yes. Lockbox LIMS supports integration with instruments and external systems through REST/SOAP APIs and file-based methods, allowing biobanks to connect processing equipment or LIS/EHR systems to their sample records.

Can Lockbox LIMS generate reports and dashboards for biobank operations?

Yes. Native reporting tools let you track KPIs relevant to biorepositories, such as sample throughput, storage utilization, and submission trends, without exporting data to third-party tools.

Does Lockbox LIMS generate barcodes for specimen labeling?

Yes. Lockbox LIMS generates barcodes at the point of specimen accessioning, supporting fast, accurate scanning for tracking, retrieval, and chain of custody throughout the sample lifecycle.

What does implementation look like for a biobank adopting Lockbox LIMS?

Third Wave Analytics' implementation team works with your biobank through process design, system configuration, validation, and training, tailoring the platform to your existing workflows rather than requiring you to adapt to a rigid system.

How do I get started with Lockbox LIMS for my biobank?

Getting started is easy. Schedule a personalized demo with the Third Wave Analytics team to see how Lockbox LIMS can support your biobank's unique workflows, including biospecimen tracking, storage management, compliance, and reporting. We'll work with you to understand your requirements and demonstrate how the platform can be configured to meet your laboratory's needs.

More Lockbox LIMS Capabilities

Material Management

Track the consumption and creation of lab inventory.

Protocol Management

Run protocols and workflows from leading instrumentation vendors.

Customer Portal

Empower clients to create submissions and track their progress.

Sample Tracking

End-to-end sample tracking and complete traceability.

See Lockbox LIMS for Biobanking

Book a personalized demo or watch our recorded webinar to see how Lockbox LIMS manages specimens from receipt, to storage, to retrieval.

Book a Demo Watch Recorded Webinar +1 833-525-4376