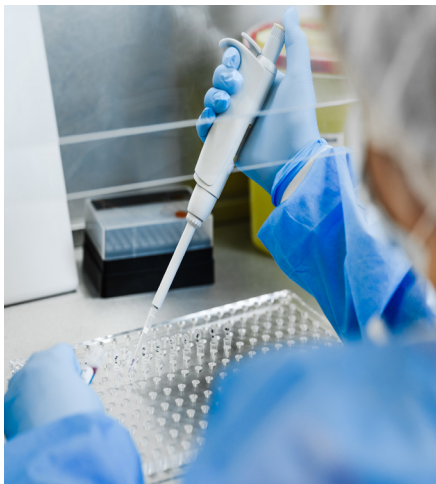# SoftBiobank®

SoftBiobank—SCC's biobank information management system— is designed to support the storage of samples and data. Specimen retrieval, chain of custody, storage location, and seamless integration with laboratory information systems are utilized to support biorepository operations.

SoftBiobank targets all biorepository management needs so you can annotate, store, and distribute biospecimens. The system also enables researchers' collaboration while ensuring data security and regulatory compliance. Easy data querying and reporting capabilities make SoftBiobank ideal for customers who run large and demanding biorepositories and collections.

FEATURES AND BENEFITS

Feature: Biobank Data Management

Benefit: SoftBiobank is backed up by a Big Data-ready database management system designed for multidimensional data management and analytics that helps data scientists, quantitative analysts, and informatics researchers create innovative products and services.

Featuring extensive functionalities for tracking and storing biological samples material, SoftBiobank supports laboratory inventory management, including detailed location and freezer management.

- Provides a solution for easy request and shipment management, study and donor information handling, aliquoting, and specimen preparation processes tracking.
- Eliminates the need to manually collect and cross-reference information from a variety of enterprise systems using its wide data integration capabilities.

Feature: Data querying and reporting tools

Benefit: With flexible, easy-to-use query tools and extensive reporting capabilities, SoftBiobank provides solutions for the secure publishing of selected information from your biobank. Selected sample collections and studies can be published on your webpage as a publicly browsable catalog.

Feature: Cutting-edge IT standards

Benefit: A Web-based, purely thin-client solution, SoftBiobank fully supports the usage of mobile devices. Multisite accessibility is easy and safe with the latest advances in IT and security. The platform can be extensively configured to even the most demanding data management needs, including Big Data-oriented environments.

Feature: Multisite Capabilities

Benefit: SoftBiobank's multisite capabilities support sample inventory management from multiple facilities—including facilities across multiple time zones —all in one centralized database. The system supports procedures for external storage handling with dispatch documents, workflow, and delivery tracking. Users can select and issue both samples and data based on the needs of the individual sites.
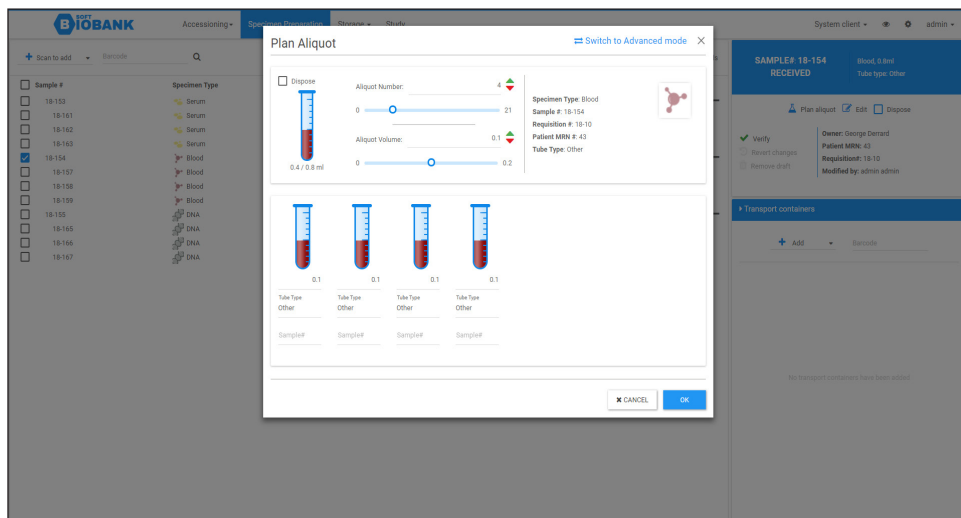
Feature: Efficient workflow and management

Benefit: The SoftBiobank system provides tracking with varied levels of detail, depending on individual laboratory requirements—including document workflow with electronic sign off functionality and a configurable quality control process—all monitored with management reports to meet stringent quality requirements. Online tools such as supervisor review of daily activities—including test results, daily QC, and exception reports—enable managers to use their time effectively. Features such as audit trails and daily traces are provided for monitoring activities and changes.

Specimen Preparation

Material collected and received in SoftBiobank can be prepared for check-in to bio storage. Sample preparation tasks such as preparing aliquots of the biological material can be done according to protocol requirements. All operations are recorded in the audit trail and can be easily accessed directly for the given sample at any time.

Storage Management

Storage Management entry enables easy monitoring of every freezer's allocation. Users can search samples stored in the biobank using sophisticated criteria and can request check-out of samples for research testing.