STARLIMS™

Partners in Research

How STARLIMS Helped Rutgers University Cell and DNA Repository Increase Operational Efficiency with a Service-Based Enterprise LIMS

"With STARLIMS, we have a service-based, client-centric solution and excellent sample management. The STARLIMS team understood our process and helped us develop a system to meet our needs. The service/client concept for biorepository management had not been done before. Our partnership with STARLIMS helped us redevelop our operational workflows and create new ways of effectively managing our services and samples."

Dr. Andrew Brooks, Chief Operating Officer

"The STARLIMS implementation provides seamless integration across all operational units, enabling us to grow while continuously implementing state-of-the-art technologies."

Dr. Jay Tischfield, Chief Executive Officer

Rutgers Challenges	STARLIMS Impact	Rutgers Results
• In-house LIMS, no real-time integration, difficult to maintain/ develop, cumbersome data review process	• A single centralized and fully integrated system	• **Robust data management and access** • **Simplified system maintenance** • **Efficient data review**
• Sample-centric LIMS with no project/ client management	• Framework integrates clients and projects	• **Robust project and service accounting**
• No external access to repository for investigators or program officers	• Web-based solution	• **Strategic access to system for investigators through web browser** • **Improved productivity**
• No centralized instrument integration for QA/QC	• SDMS provides centralized bi-directional integration and control • Equipment Manager for instrument maintenance • Test plan management for comprehensive quality control integration	• **Ease of instrument management** • **High sample throughput** • **Easy verification of scheduled instrument QC** • **Real time QC of biological samples and biomaterial derivatives**
• LIMS not scalable to organizational growth and evolving needs	• Flexible and stable Microsoft® platform • Highly scalable	• **Onsite development effort enabling growth of organization**
• Labor-intensive process for sample management	• Automated sample registration, receipt, service assignment, notification and storage through barcode scanning	• **Streamline process and operations** • **Improved data integrity**

Rutgers University Cell and DNA Repository (RUCDR), the largest university based repository in the world, is located at Busch Campus of Rutgers University, Piscataway, New Jersey. RUCDR plays a key role in research aimed at understanding the genetic causes of common, complex diseases with activities enabling gene discovery that lead to diagnoses, treatments and, eventually, cures for these diseases. As a full service biorepository, RUCDR assists researchers throughout the world by providing the highest quality biomaterials, technical consultation, and logistical support.

Service-Based LIMS: Results Realized

30% improvement in processing capabilities

Operational framework integrates and manages - clients, services, projects, samples, supplies - in a full-service biorepository running 7 x 24 x 365

RUCDR biomaterials facilitates the generation of billions of dollars in research around the globe

Harmonization

30% improvement in turnaround time from request to shipping for biomaterial distribution

25% improvement in sample handling for user defined sample pre-registration and biomaterial requests

More advanced communication and collaboration with clients

Efficiency

50% improvement in retrieving samples through implementation of sample storage and retrieval integration

Automates service assignments and client projects. Significant time and cost savings through more efficient sample processing

Complete biomaterial QC integration with services, resulting in consistent high quality samples and services

To improve your overall operational efficiency and create a Service-Based Biorepository, contact us today!
Request a demo at www.starlims.com