### Laboratory Information Management System (LIMS)

Emory’s Office of Information Technology (OIT) LIMS team supports the Emory Research Laboratory Information Management System (LIMS) application. LIMS is a secure, internally hosted application designed to support workflow automation and information tracking related to biospecimen sample management and processing as part of Emory’s Bio-Banking infrastructure.

Key features and benefits of the system include:

* Study management including the Study Design Module (SDM), which provides an easy to use graphical user interface for study design including visits, time points and draws.
* Participant/subject management
* Sample management throughout the entire sample lifecycle
* Location management – used to track sample boxes and freezer locations
* Instrument integration
* Reagent tracking
* Tests and Results
* Electronic shipments
* Reports and label creation
* Provides API integration with other bio-banking applications such as Emory Research Subject Registry (ERSR), Clinical Research Assistant (CR-Assist), Research Electronic Data Capture (REDCap).
* Easy sharing/collaboration between PI studies and samples if desired.
* HIPPA compliant
* Servers are hosted in climate controlled, physically secure server operations center with 24 x 7 monitoring and environmental sensors and controls.
* Network segmentation and firewalls to restrict access to the database
* Complex passwords required for system access
* Nightly backups - All backups are encrypted and with a rotating cycle of media stored off-site in case of a disaster
* All servers are patched on a regular basis and have anti-virus software scanning

More information available at: <https://it.emory.edu/catalog/data-and-reporting/lims.html>