

Thermo Scientific Core LIMS software

Define, capture, and manage your laboratory data across workflows

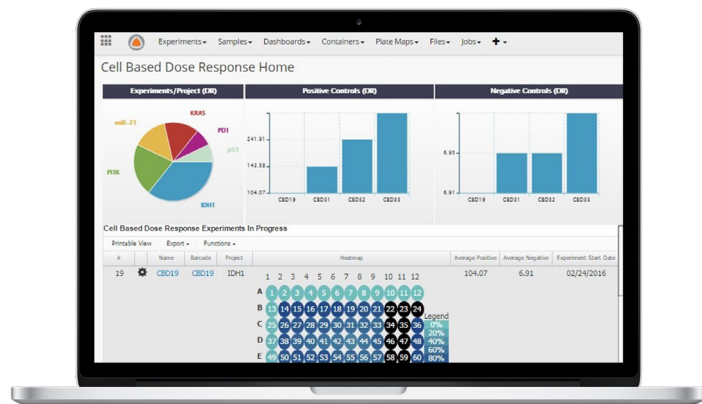
Key values provided by Core LIMS Software

- Streamline data capture & management across workflows for single and bulk actions
- Define unique data types and relationships to enable tracking, lineage, and analysis
- Collect and share data securely and instantaneously
- Adapt the LIMS to meet emerging needs via configurations and applications
- Integrate with other data sources and tools via a standards-based OData API

Thermo Scientific™ Core LIMS™ software provides capabilities for scientific data collection, sharing, analysis, and archive. Pre-built workflows get labs up and running quickly and can be easily configured to meet the exact specifications of your lab. Core LIMS software can automate your workflows, manage your samples and data, and integrate with instruments and software from your preferred vendors. The information in the LIMS (Laboratory Information Management System) can be reported on, shared, analyzed, and audited. Core LIMS software increases the efficiency of scientific processes by enabling users to manage data in a secure, 100% web- and cloud-based environment.

Sample tracking

Work with samples individually or in bulk. As samples and lots are registered in the system, they become referenceable and reportable. Enter the sample information once and reuse it across relevant workflows and experiments, tie it to inventory, etc. Explore your data in a variety of ways, based on relationships. Reports are easily accessible via dashboards, streamlining the data review process.



Inventory management

A barcode-based sample and container tracking system is utilized in Core LIMS software. Inventory and storage management functions retain where items have been stored and for how long. Core LIMS software manages stock supplies and reagents and can assign automatic re-order alerts. Manage storage capacity and freezers across facilities to maintain environment requirements for solutions, reagents, samples, etc., to ensure that they remain in the proper conditions.

Types of data managed by Core LIMS software

- Samples
- Lots
- Containers
- Experiments
- Instruments
- Locations
- Requests
- Reagents
- Assay Queues
- Sample Workflows
- Labels
- And more...

Relationships & metadata

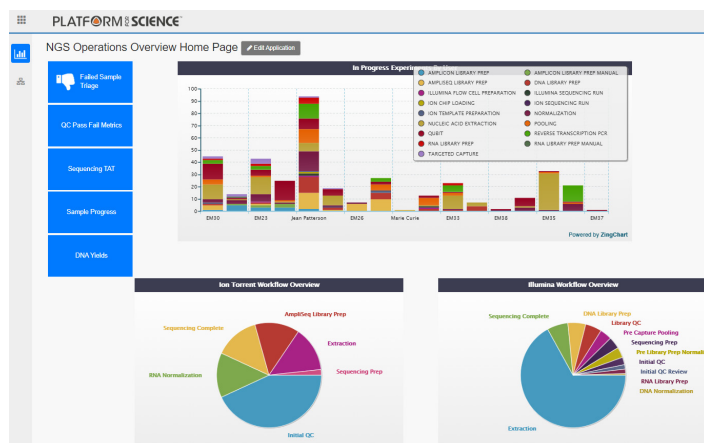
To have a full understanding of data, a holistic view including tight, searchable relationships is necessary. All relationships and metadata within Core LIMS software are captured, enabling users to work with data in context. For example, associations are created between samples, containers, projects, and other relevant entities to ensure accurate processing and reporting of each sample. Due to the configurability of the LIMS, users can easily build new relationships based on what is already in the system.

Stability

The stability module in Core LIMS software enables a lab to conduct multiple simultaneous studies, while tracking, monitoring, and recording different sample conditions at relevant timepoints. This data ties into other data stored in the LIMS for analytical testing and is available in charts and reports. Real-time decisions can be informed by these reports including an “abandon sample” feature, allowing users to cancel remaining pulls for specified samples in a study.

Core LIMS software adapts to your needs

New data types and workflows are simple to add in Core LIMS software, with no custom code – simplifying maintenance and upgrades. Core LIMS software works with instruments and consumables from the vendors you choose. In addition, Core LIMS software can be integrated with your other systems and software tools with our standards-based OData API. Core LIMS software is built using a cloud-based platform architecture, the system can be quickly scaled up (or down) as user groups, collaborators and data volumes change, so that productivity levels are maintained.



Find out more at [thermofisher.com/digitalscience](https://www.thermofisher.com/digitalscience)

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