

Thermo Fisher™ Core LIMS™ Software

Define, capture, and manage your laboratory data across workflows

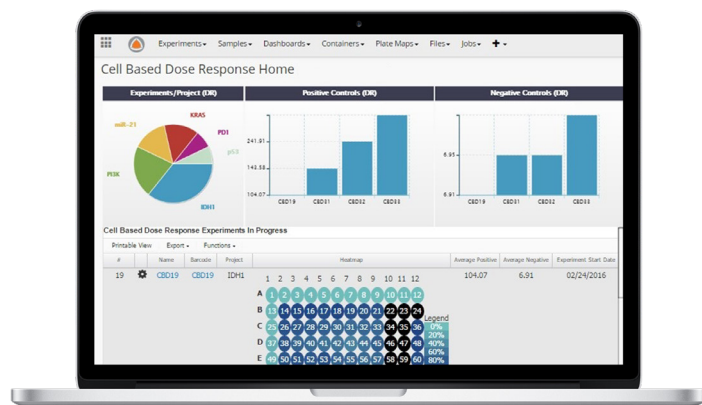
Key values provided by Core LIMS Software

- 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
- Meet regulatory guidelines via full audit trails and validation
- Adapt the LIMS to meet emerging needs via configurations and applications
- Integrate with other data sources and tools via a standards-based OData API

Core LIMS (Laboratory Information Management System 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 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 accessible via dashboards which give an overview at a glance.



Inventory management

Barcode-based sample and container tracking enable the creation of location audit logs and chain of custody reporting. 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

- 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 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.



Laboratory Data Management Solutions

Value beyond LIMS – Thermo Fisher™ Platform for Science™ Software

Core LIMS software, as well as our other products – SDMS, ELN, and Connect (for integration using the OData API and web hooks) – and solutions, are built on the Platform for Science software, so no integration is needed to add these additional capabilities if your lab's needs expand beyond LIMS.

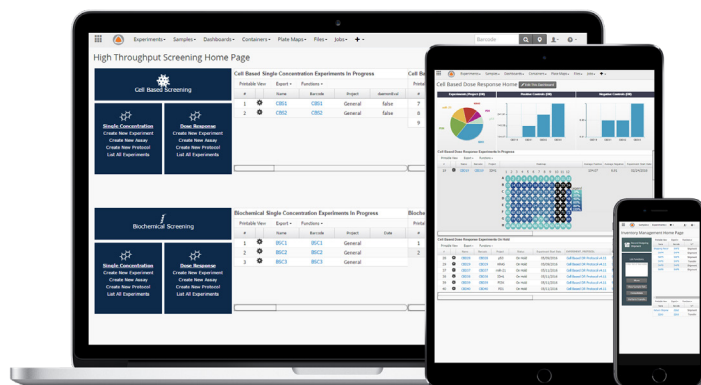
The Platform for Science software is the underlying data management infrastructure designed to support workflows across your scientific organization. This flexible, extensible, cloud-based platform helps you easily collect, store, access, share, and use your scientific data.

All of our solutions work together on top of the Platform for Science software, to support data capture across your scientific workflows. Solutions consist of apps, designed to have you up and running quickly. Changes to these solutions are made through configurations, not custom code. These changes are immediately available throughout the platform and are reflected via a standards-based OData API.

Designed to run on the Amazon Web Services (AWS) cloud, the Platform for Science software's services and compute power can scale along with your needs. In addition to being a member of the APN Life Sciences Competency, we provide validated cloud deployment options.

Key values provided by the Platform for Science Software

- All data lives in the same platform architecture, streamlining analysis and providing a single source of truth
- Easily add capabilities over time through apps, solution sets, and configuration – with no custom code
- Extend the platform using our industry-leading OData API to integrate with best in class tools



Access the Platform for Science software anywhere from any device

Find out more at coreinformatics.com

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