

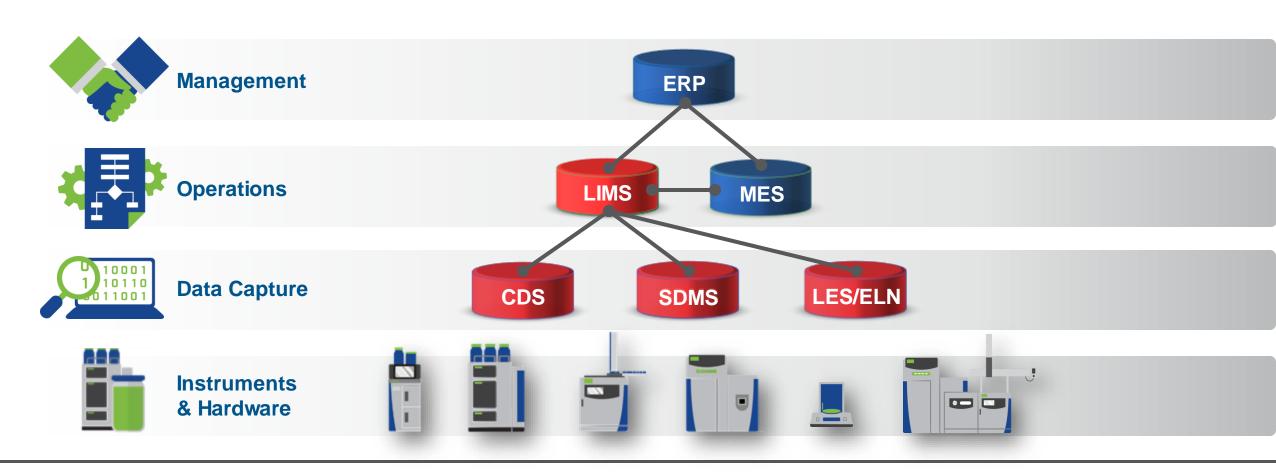
What Is Your Data Trying To Tell You? Transforming Data into Knowledge

Your laboratory is a critical component of your business enterprise



Drive your end-to-end laboratory process and connect your lab to your enterprise.

Is your data flow delivering knowledge? ...or are your processes and technologies holding you back?



Data into Knowledge

Thermo Scientific™ SampleManager™ software

Data Management and Integration across the Enterprise



Determine/Design Methods

www.AppsLab.com

Instrument Control
and Remote
Monitoring



Data Capture

Data Analysis

Thermo Scientific™ Chromeleon™ CDS software

Delivering Productivity, Ease of Use and Compliance



Simplify Your Laboratory Operations

CDS



Streamline Chromatography & MS Workflows

From workstation to global enterprise

Simplifies data security and compliance

Streamlines method execution with eWorkflows™

Procedural ELN/LES



Simplify Process Execution

Drives users through a stepwise process

No customizations needed to deploy methods & SOPs

Connects to the general LIMS capabilities to provide an integration solution

LIMS



Complete Laboratory Management

Sample, test & result management

Management of lab personnel & resources

Process optimization & standardization

SDMS



Visualize without Original Application

Laboratory data archival, retrieval and preservation

Support for >180 instrument data formats

Vendor independent XML for long term storage

Get a complete picture of your laboratory data from the original raw data to final results

Thermo Scientific Chromeleon 7.2 Chromatography Data System

Industry-leading!

- ✓ Compliance and data security
- ✓ Ease of use
- ✓ Network Failure Protection (24/7 operation)
- ✓ Network MS control & processing
- ✓ Instrument control (>450 from 18 vendors)



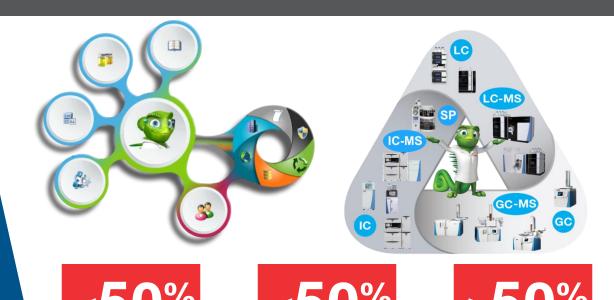
Thermo Scientific Chromeleon 7.2 CDS

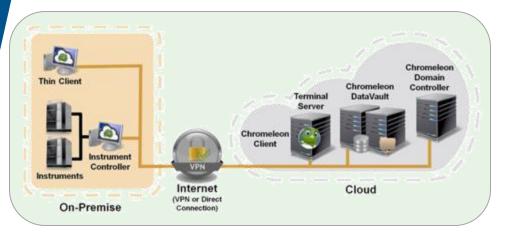
- ✓ Comprehensive Audit Trails for compliance & data security
- ✓ Thermo Scientific™ MS control and processing
- ✓ Proven efficiency gains for lab productivity
- ✓ Cloud deployable
- ✓ LIMS connectivity

Scale up your expectations!

- √ Easy to comply
- √ Easy to use
- ✓ Easy to expand





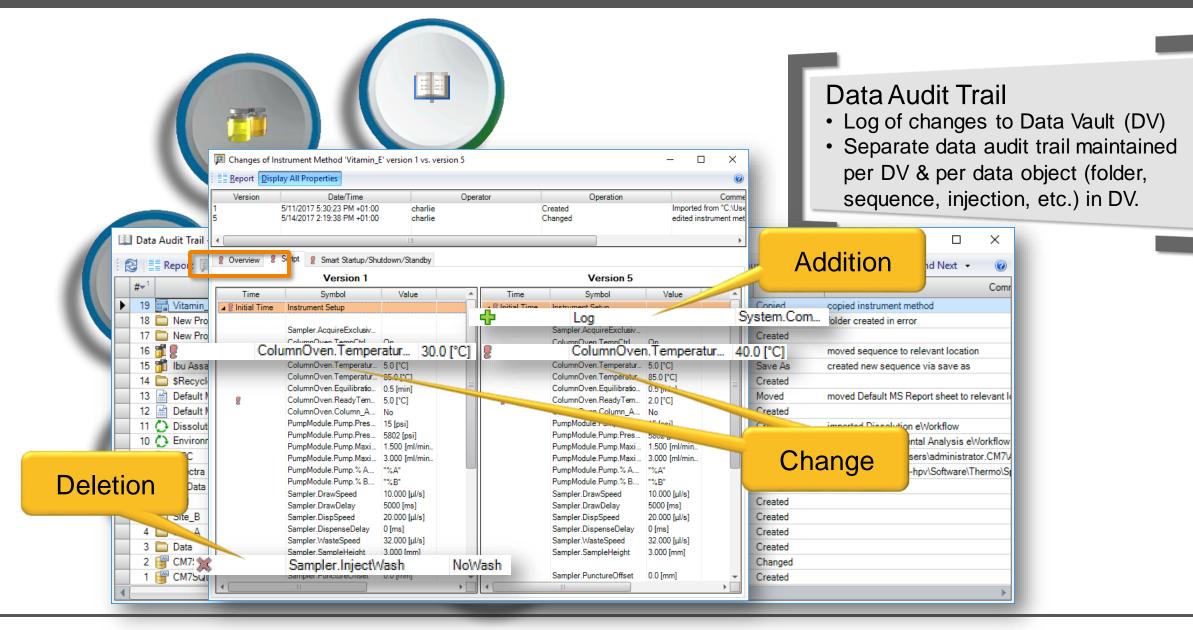


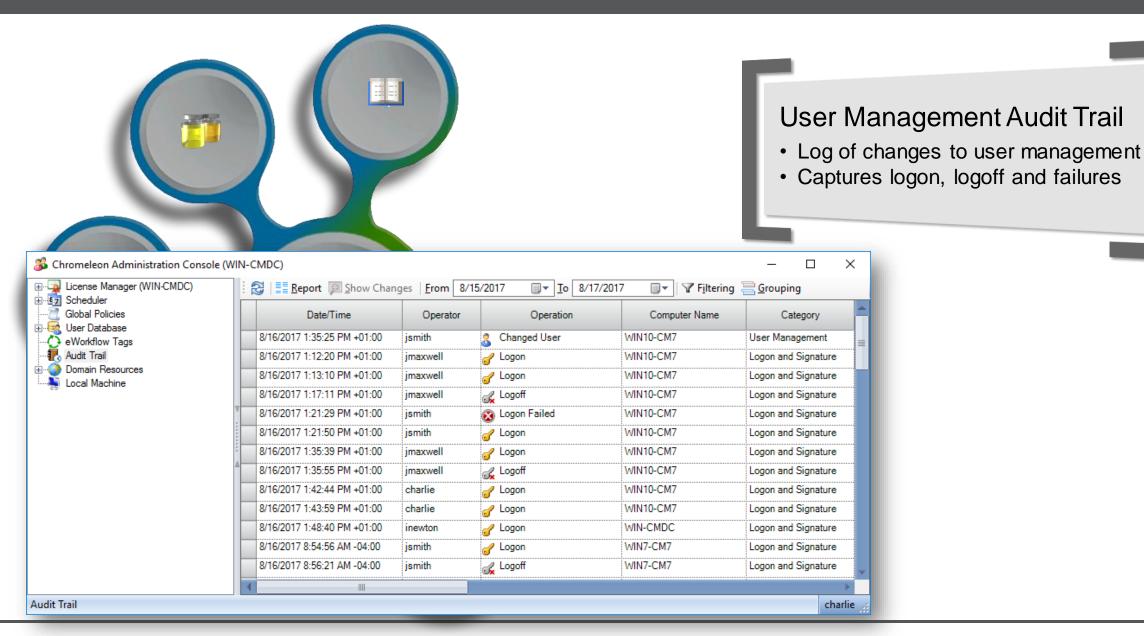
Mouse Clicks

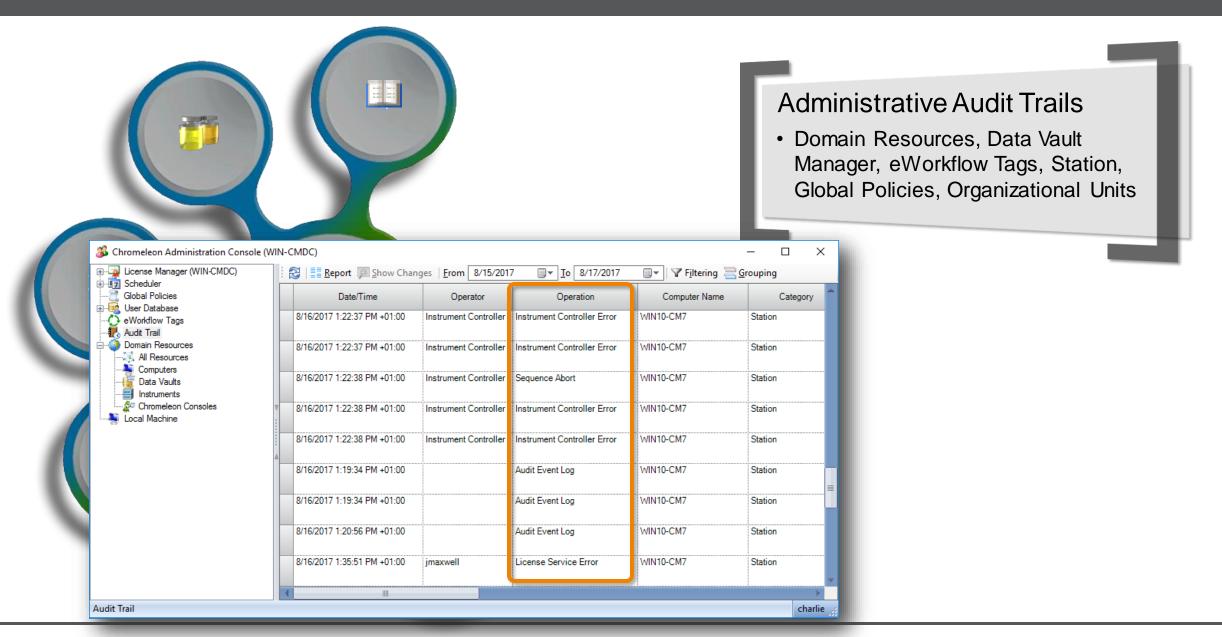




Chromeleon CDS provides centrally stored & managed industry leading audit trails

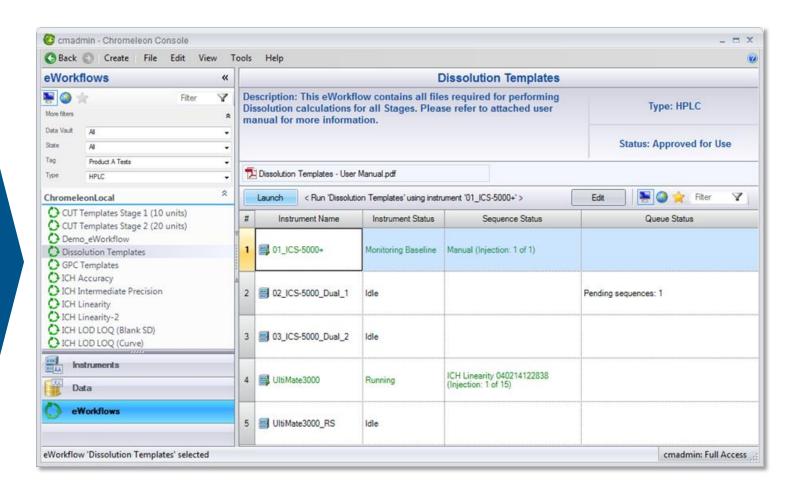




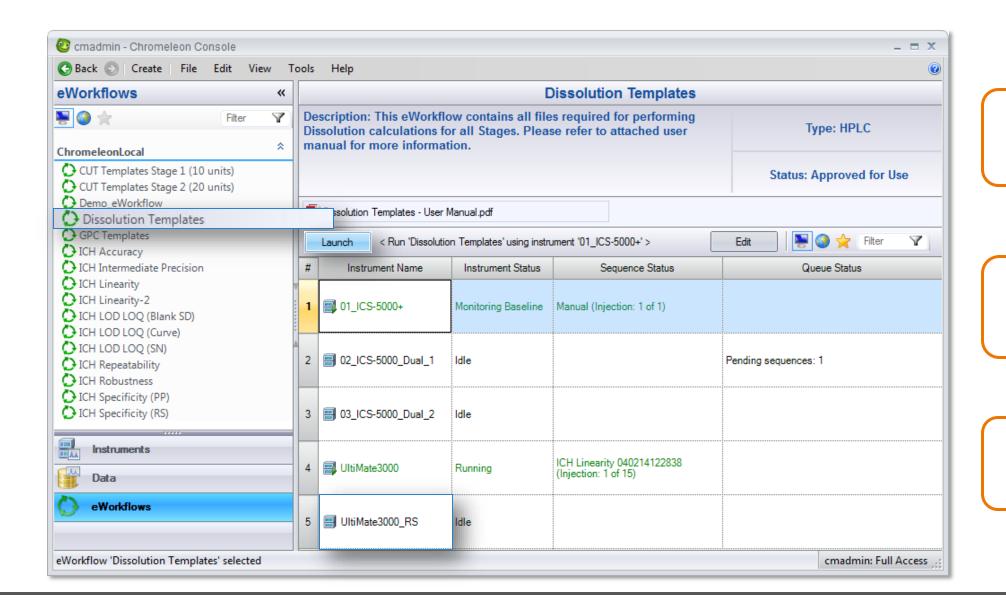


eWorkflow contains:

- Instruments on which the analysis can be run
- All associated methods and files including reports and external documents like SOPs
- ✓ Ensure your SOP is followed
- ✓ Reduce errors and produce reliable results faster
- ✓ Fully customizable for any application in any laboratory
- Minimize amount of training required



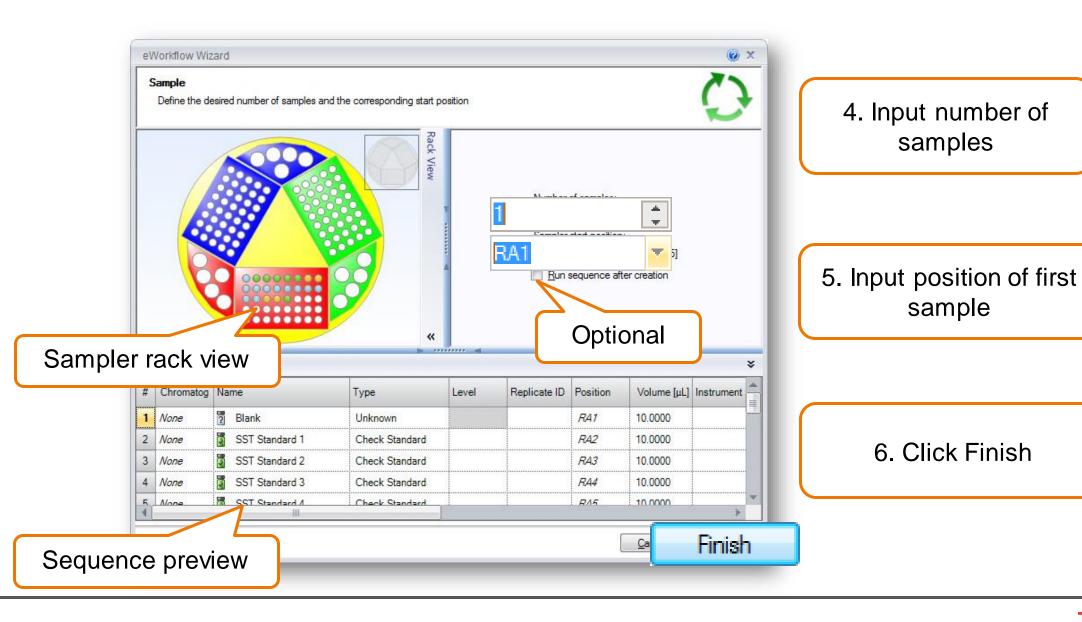




1. Select eWorkflow

2. Select Instrument

3. Click Launch

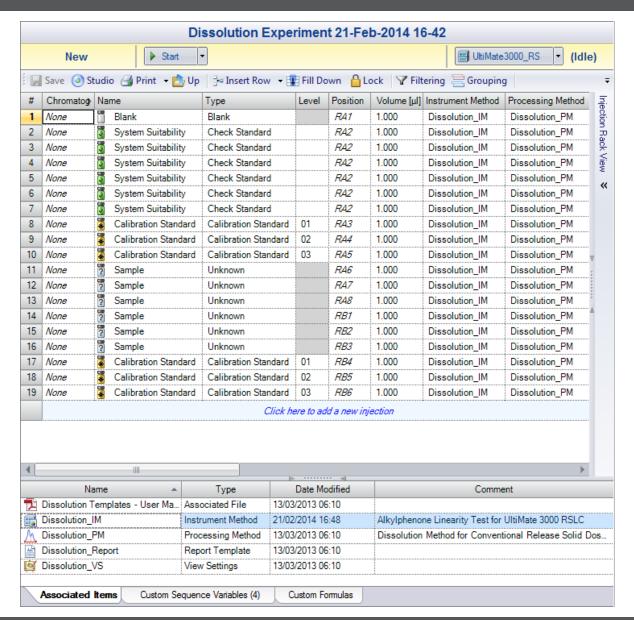


Sequence created in 6 clicks with correct:

- ✓ Name
- ✓ Location
- √ Methods
- ✓ Report
- √ Structure
- ✓ Custom Variables

Plus:

- ✓ SOP attached
- ✓ Can run immediately

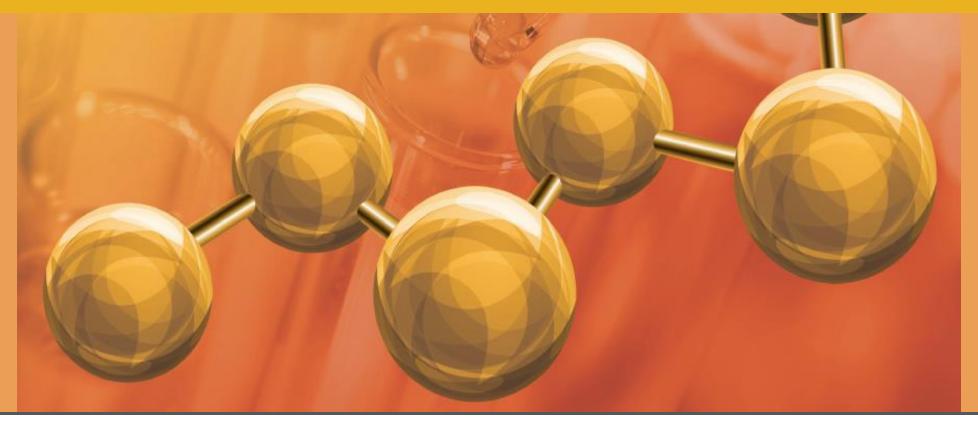




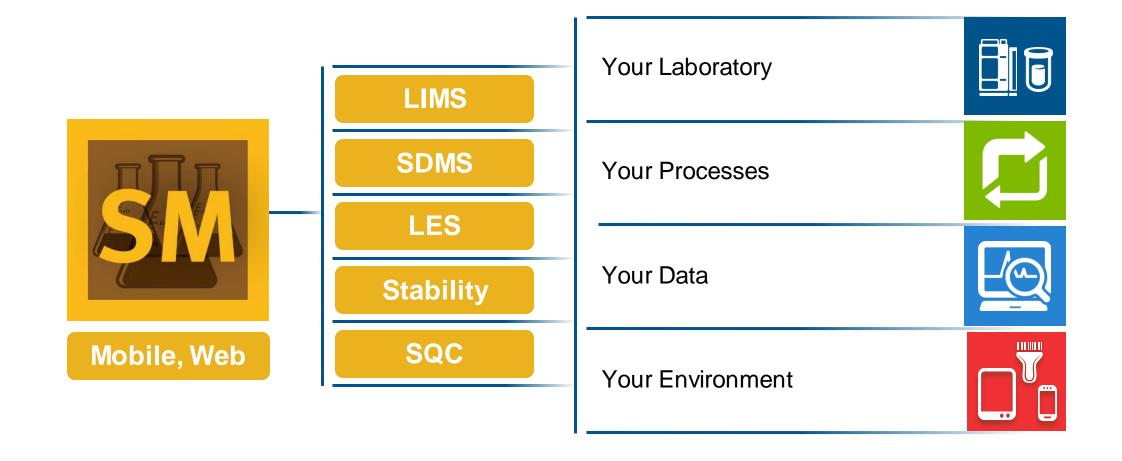
Thermo Scientific SampleManager: Laboratory Information Management System

More than a LIMS!

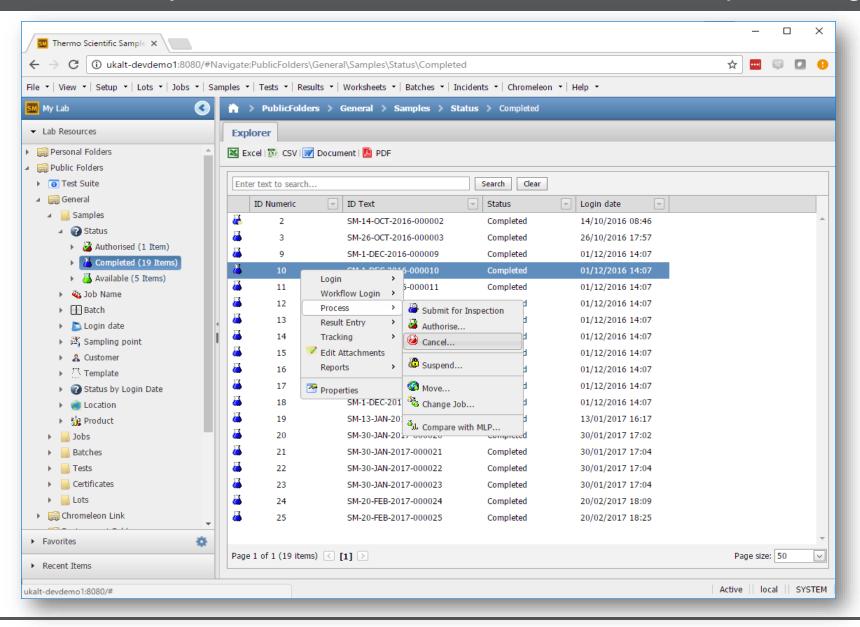
- ✓ Manages the entire laboratory
- ✓ Ensures adherence to processes
- ✓ Maintains data integrity
- ✓ Facilitates complete regulatory compliance



Thermo Scientific SampleManager: Unlock the Value of Your Laboratory

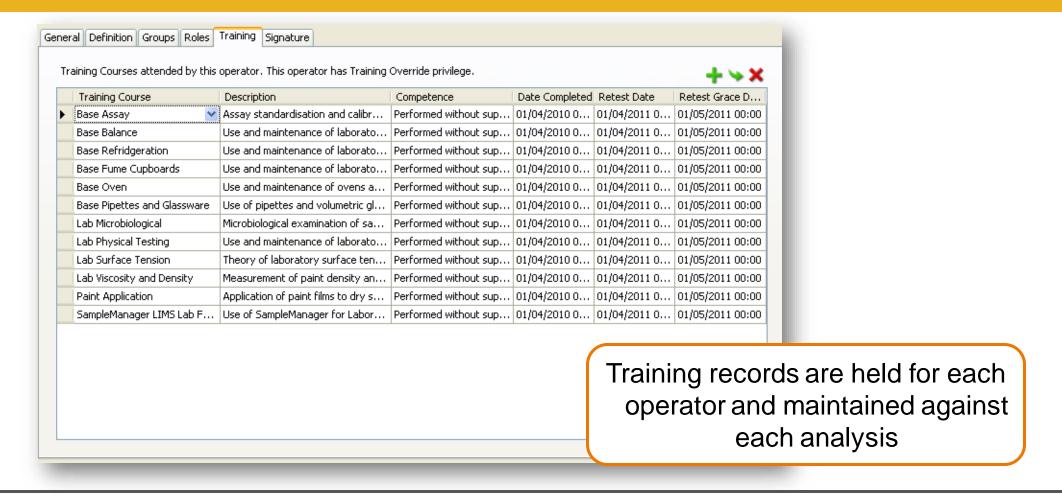


Manage Your Laboratory Workflow with Thermo Scientific SampleManager



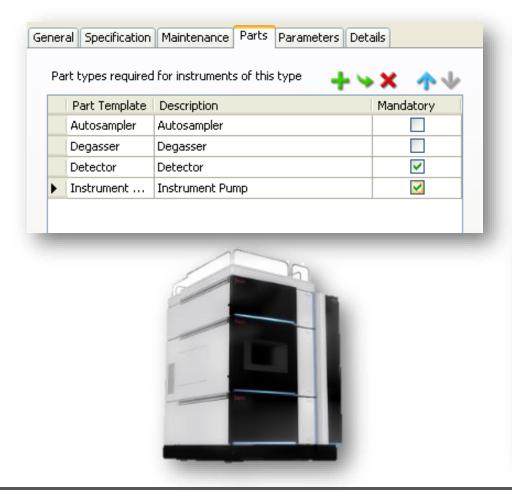
Thermo Scientific SampleManager – Operator Training

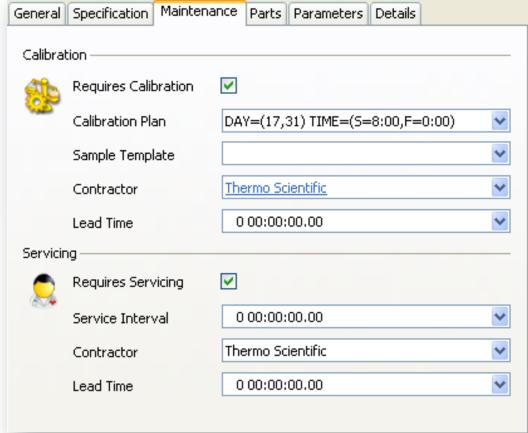
User training records verified for instruments and lab testing



Thermo Scientific SampleManager – Instrument Management

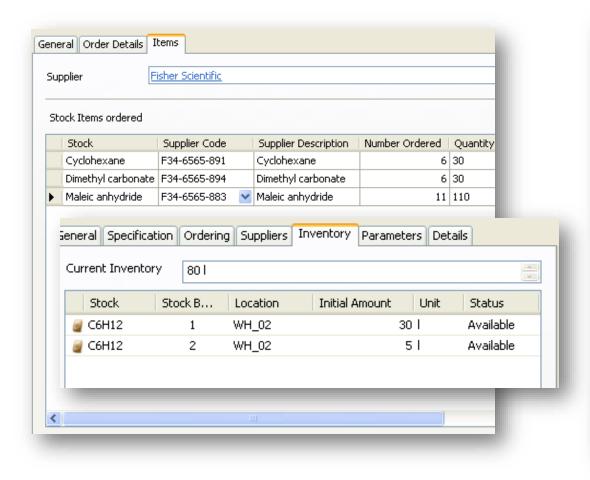
Straightforward instrument calibration and maintenance control

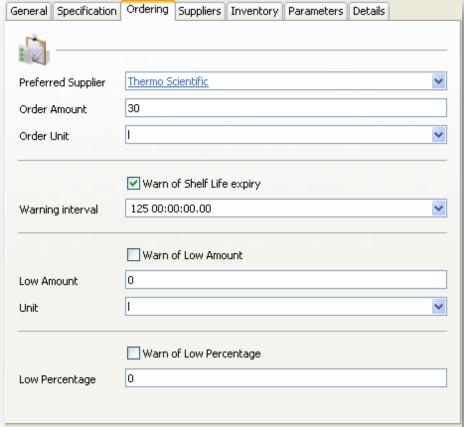




Thermo Scientific SampleManager – Stock Management

Stock levels can be monitored, new orders placed and tracked





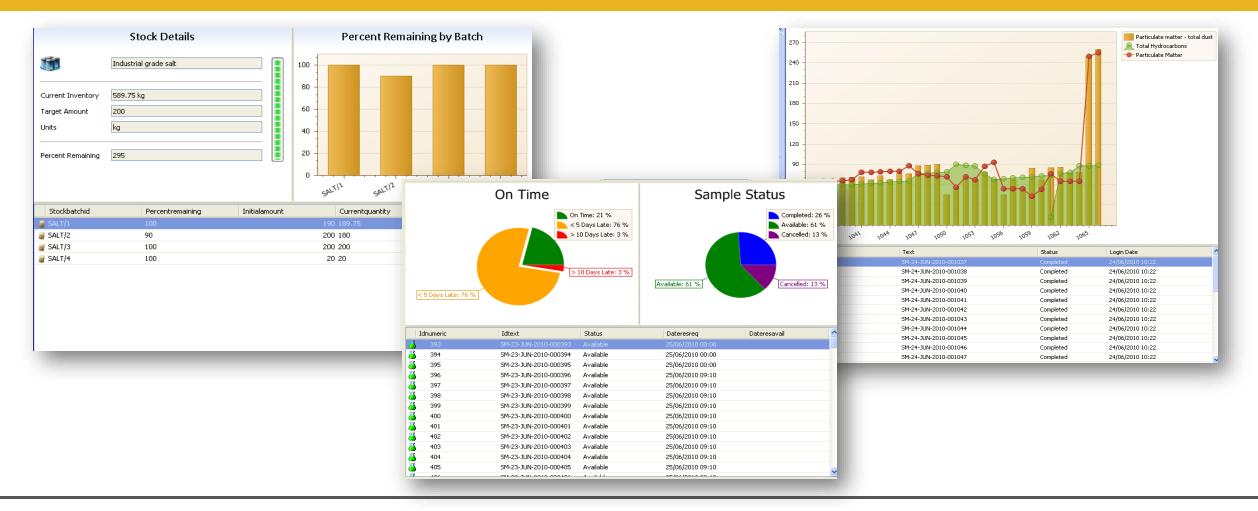
Statistical Quality Control

Get insight into your data in real time



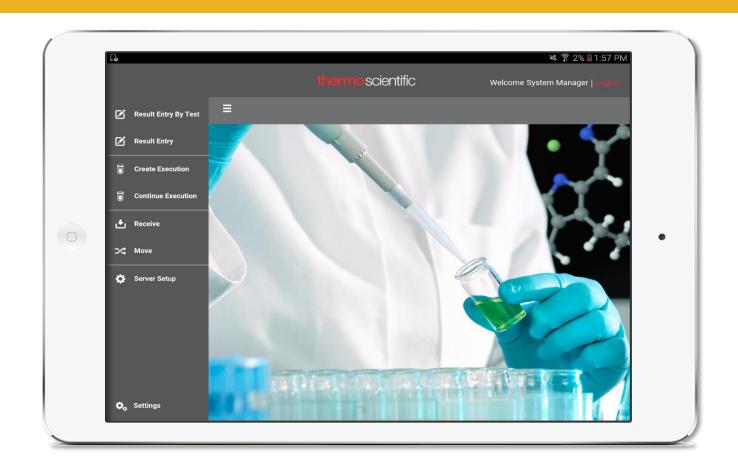
Thermo Scientific SampleManager – Advanced Search and Data Mining

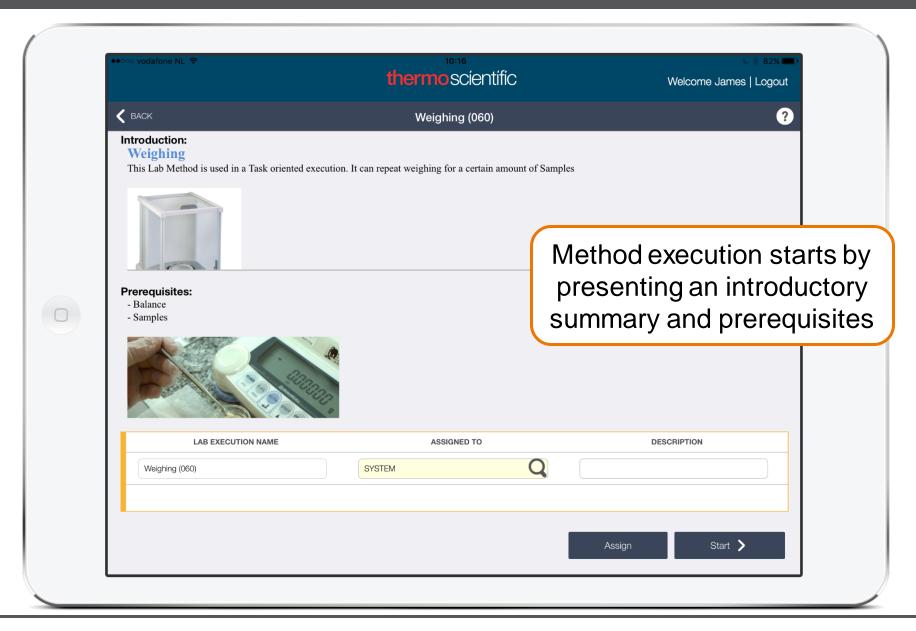
Dashboards provide quick view of anything from stocks to sample delivery, or trends at a particular location

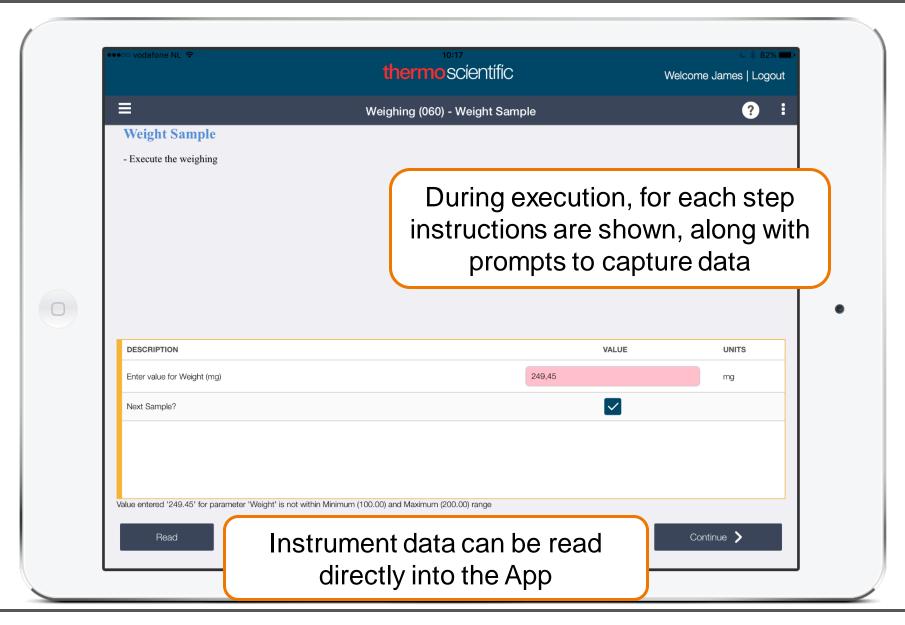


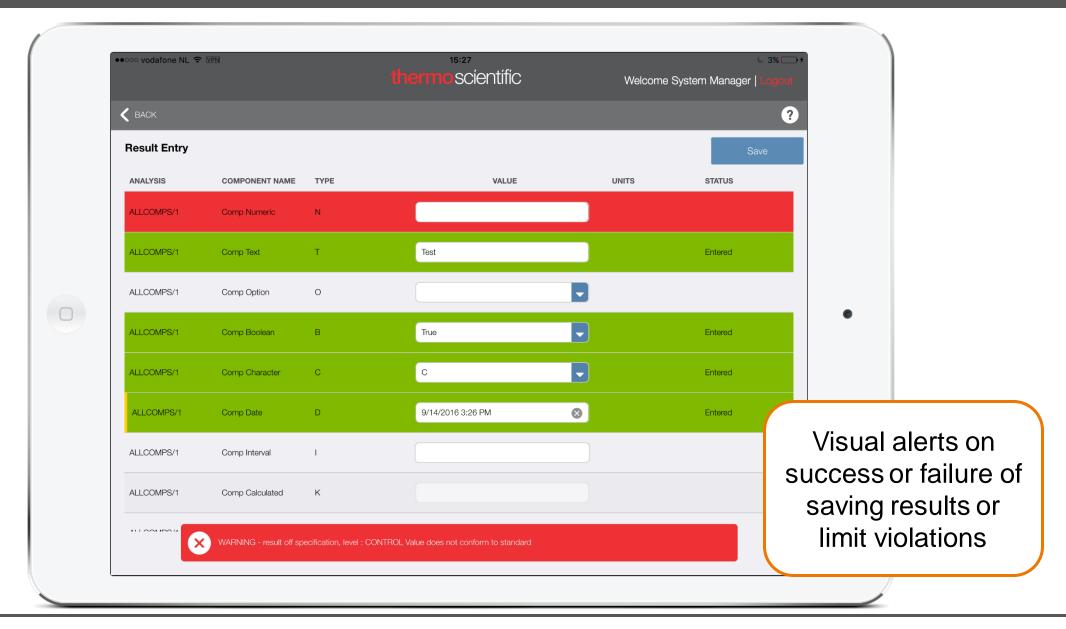
Execute lab work anytime, anywhere







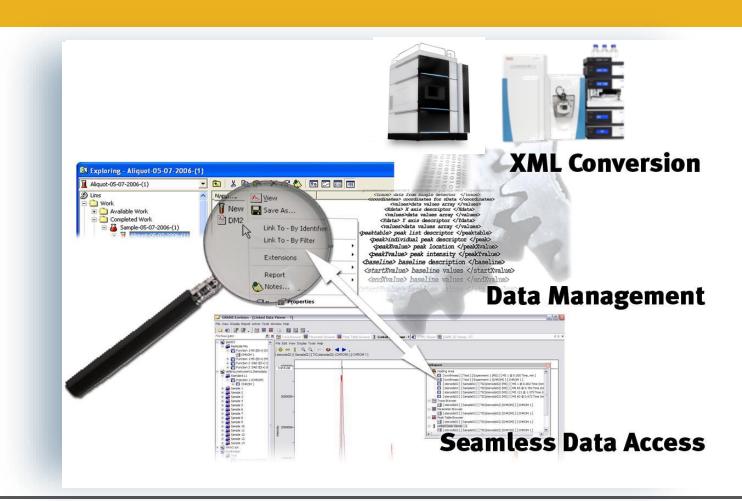




Thermo Scientific SampleManager SDMS

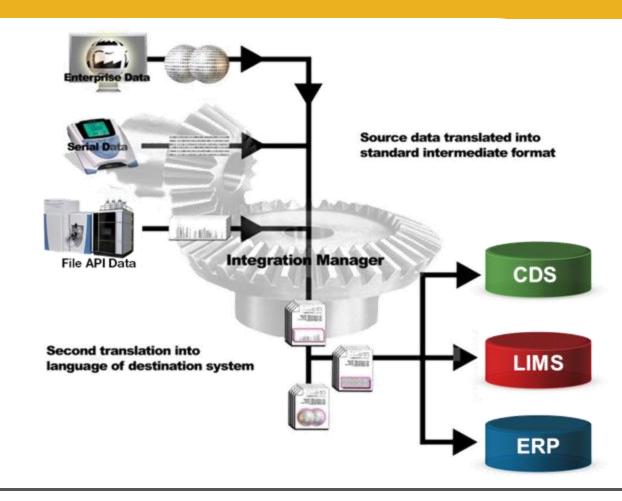
Provides secure, future-proofed data archival and management



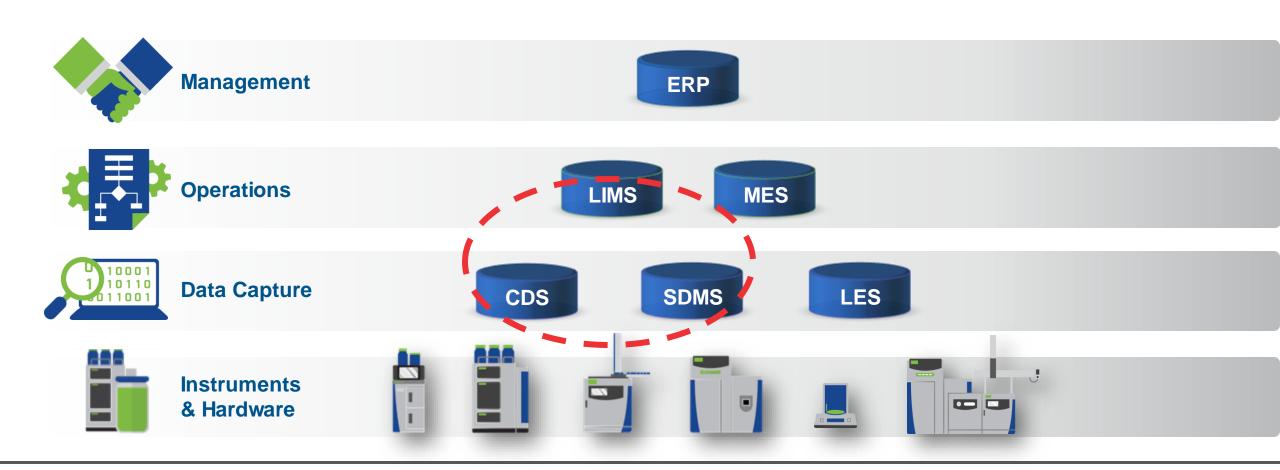


Provides bi-directional interfaces between CDS, LIMS, instruments and Enterprise systems





What if you don't have all this infrastructure but still need more than a CDS?



Thermo Scientific Chromeleon XTR: Laboratory Management System

Chromeleon Just Got Smarter!

- ✓ Management and tracking of all samples in the lab
- ✓ Secure, compliant control of all analytical data including SDMS
- ✓ Calibration and service records for all instruments
- ✓ Training record management for all users
- ✓ Built on superior compliance capabilities of Chromeleon 7.2 CDS





Thermo Scientific Chromeleon XTR

- ✓ Perform basic activities from a single dashboard:
 - Login & track samples
 - Create labels
 - View sample details
 - Check instrument status
 - Create sequences
 - Enter & view results
 - Create & view reports
- Chromatographic column management and tracking
- ✓ Designed for 24/7 continuous uptime

Complete compliance with data integrity for all samples, all users, and all instruments



Scalable Portfolio of Enterprise Software

NEW! Chromeleon XTR

Chromeleon CDS



Chromatography & Mass Spectroscopy

Designed for 24/7 operations

Advanced automation for better quality results

Multi-vendor, multi-technique

Support MS for development & QA/QC workflows



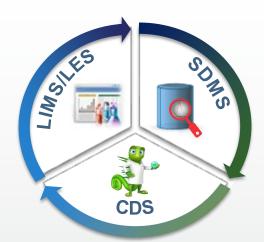
Chromeleon + Basic Lab Management + SDMS

Basic sample management and tracking

Analyses can only be performed by authorized, trained individuals on calibrated instruments

Long-term data storage and archival of data regardless of instrument type

Chromeleon CDS & SampleManager LIMS



Complete Laboratory Management

Comprehensive sample, test & result management

Management of lab personnel & resources

Specification management and ERP integration

Laboratory Execution System

Configurable to meet your end to end business process

Thank you



Make Compliance A Competitive Advantage

Join the Fun! Cache a Chromeleon Game

- Use your mobile device to complete challenges and earn a Charlie Chromeleon plush toy!
- If you are playing, you have earned points for attending this seminar. Be sure to scan the barcode on the desk outside the door.
- Ask booth staff for more details on how to play.



Please join me in the
Informatics and Chromatography Software
section of our booth where I'll
address additional comments and questions.