



Thermo Scientific ClinQuan MD Software  
For In Vitro Diagnostic Use



Confidence in Results

With Data Integrity

**Thermo**  
SCIENTIFIC

# Make the World Healthier

## With the LC-MS Tests You Run





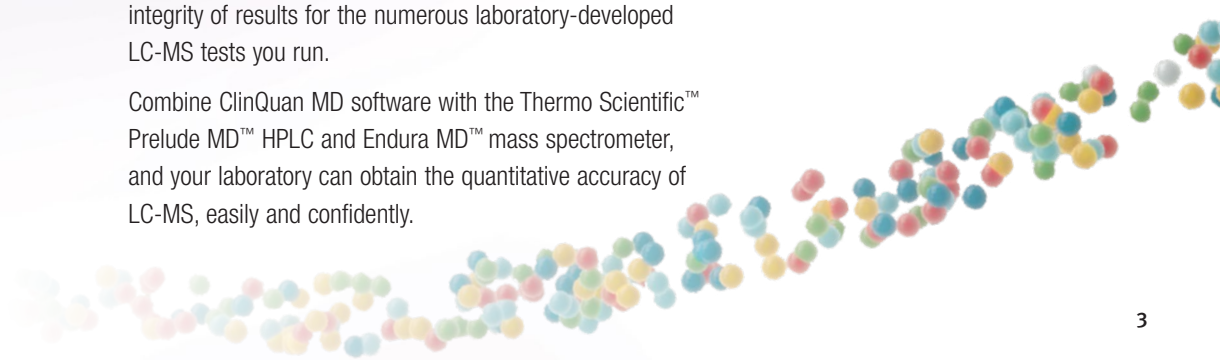


## Confidence in Test Results With Data Integrity

Your clinical laboratory must quickly and cost-effectively deliver accurate patient test results to the healthcare professionals you serve. With a simplified user interface and three-tiered access to software with permission levels for technicians, supervisors and directors, Thermo Scientific™ ClinQuan MD™ software for in vitro diagnostic use is designed to help you meet this challenge confidently day after day.

Using ClinQuan MD software, technical staff can store, retrieve and process LC-MS data with ease. Audit trails help ensure the integrity of results for the numerous laboratory-developed LC-MS tests you run.

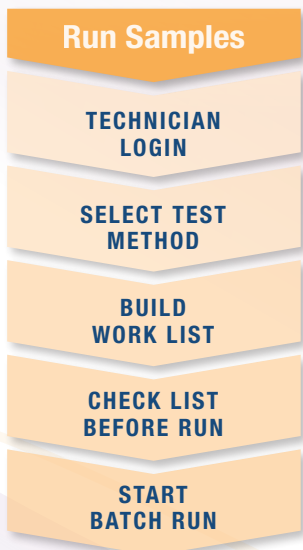
Combine ClinQuan MD software with the Thermo Scientific™ Prelude MD™ HPLC and Endura MD™ mass spectrometer, and your laboratory can obtain the quantitative accuracy of LC-MS, easily and confidently.



# Store, Retrieve, and Process Data With Confidence

## Streamline Workflows

ClinQuan MD software features a simplified user interface designed to make routine quantitation simple, fast, and productive. With a step-by-step process for method selection, building sample lists, running samples, and performing daily maintenance, quality control, and reporting, you can be sure users are able to obtain accurate results.



Status	Sample ID	Sample type	Level	Barcode Expected	Vial position	Channel
1	Blank_1	Solvent		Blank_1	CS8k1-01-1	Channel1
2	Blank_2	Solvent		Blank_2	CS8k1-01-2	Channel1
3	Cal_1	Calibrator	1	Cal_1	CS8k1-01-3	Channel1
4	Cal_2	Calibrator	2	Cal_2	CS8k1-01-4	Channel1
5	Cal_3	Calibrator	3	Cal_3	CS8k1-01-5	Channel1
6	Cal_4	Calibrator	4	Cal_4	CS8k1-01-6	Channel1
7	Cal_5	Calibrator	5	Cal_5	CS8k1-01-7	Channel1
8	Cal_6	Calibrator	6	Cal_6	CS8k1-01-8	Channel1
9	Cal_7	Calibrator	7	Cal_7	CS8k1-01-9	Channel1
10	QC_1	QC	1	QC_1	CS8k1-02-1	Channel1
11	93041311590	Specimen		93041311590	CS8k1-02-2	Channel1
12	93041311591	Specimen		93041311591	CS8k1-02-3	Channel1
13	93041311592	Specimen		93041311592	CS8k1-02-4	Channel1
14	93041311593	Specimen		93041311593	CS8k1-02-5	Channel1
	1311594	Specimen		93041311594	CS8k1-02-6	Channel1
	1311595	Specimen		93041311595	CS8k1-02-7	Channel1
	QC_2	QC	2	QC_2	CS8k1-03-3	Channel1

**System Status**

- Devices
- Batch Status
  - SubFolder: Method\_3
  - Name: 07\_29\_2014
- Sequence Status
  - Number of samples: 17
  - Number of unacquired samples: 17
- Reports Status
  - Prints: 0
  - PDF: 15
  - XML: 15
  - XLSM: 0
- Method Status
  - Local method: 07\_29\_2014\_Method\_3
  - Instrument method: 20x
  - Number of compounds: 2

**Checklist**

- Check reagent level
- Run system check
- Created calibration
- Created QCs
- Checked sample list



## Assign Roles and Audit Records

## LAB DIRECTOR LOGIN ADMINISTRATION CONSOLE

## ASSIGN ROLE

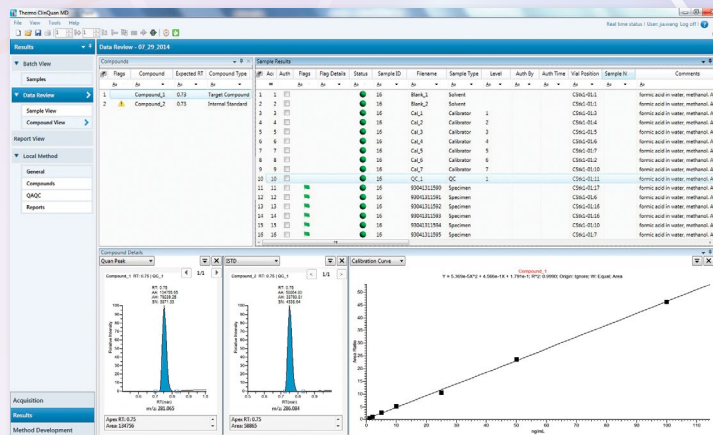
## AUDIT

Context	Event	Audit	Confirm	Custom Reason	ESignature
Security	User Logout	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security	User Login	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security	User Login Failed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security	User Login Via Lockout	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Security	User Logout	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Batch	Adjust Retention Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Associate Rawfile	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Batch Created	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Batch	Batch Exported	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Batch Moved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Batch	Batch Opened	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Batch	Batch Saved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Batch Saved As	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Calibration Extended	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Manual Integration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Sample Authorization	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Select New Method	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Update Local Instrument M	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Update Local Method from	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Update Master Instrument	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Batch	Update Master Method fro	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Template	Template Created	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Template	Template Opened	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Template	Template Saved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Roles	Permissions
Security	
LabDirector	<input checked="" type="checkbox"/> Acquisition Wizard
ITAdmin	<input checked="" type="checkbox"/> Allow Sample Rejection
Supervisor	<input checked="" type="checkbox"/> Extended Calibration
Technician	<input checked="" type="checkbox"/> Require Acquisition Checklist
	<input checked="" type="checkbox"/> Template Editing
	<input checked="" type="checkbox"/> Administrator
	<input checked="" type="checkbox"/> Auditing
	<input checked="" type="checkbox"/> Repository
	<input checked="" type="checkbox"/> Security
	<input checked="" type="checkbox"/> Configuration
	<input checked="" type="checkbox"/> Custom Columns
	<input checked="" type="checkbox"/> Custom Flags
	<input checked="" type="checkbox"/> Defaults
	<input checked="" type="checkbox"/> Optional Features
	<input checked="" type="checkbox"/> Peak Detection Defaults
	<input checked="" type="checkbox"/> Report Selection
	<input checked="" type="checkbox"/> Method Development
	<input checked="" type="checkbox"/> Method Development Access
	<input checked="" type="checkbox"/> Miscellaneous
	<input checked="" type="checkbox"/> Access To Instrument Method Editor
	<input checked="" type="checkbox"/> Instrument Method Per Sample
	<input checked="" type="checkbox"/> Tools Menu Enabled
	<input checked="" type="checkbox"/> Results
	<input checked="" type="checkbox"/> Data Review
	<input checked="" type="checkbox"/> Edit
	<input checked="" type="checkbox"/> Extended Calibration
	<input checked="" type="checkbox"/> Local Instrument Method - Update From Master Method
	<input checked="" type="checkbox"/> Local Instrument Method - Update To Master Method

## Address CLIA-Required Roles and Responsibilities

The software features address Clinical Laboratory Improvements Amendments of 1988 (CLIA) with the three CLIA-required permission levels: lab director, supervisor (technical consultant), and technician (testing personnel). The lab director maintains the flexibility to tailor task permissions to specific staff according to their qualifications, training, skills, or to specific laboratory standard operating procedures.



## Process Test Results

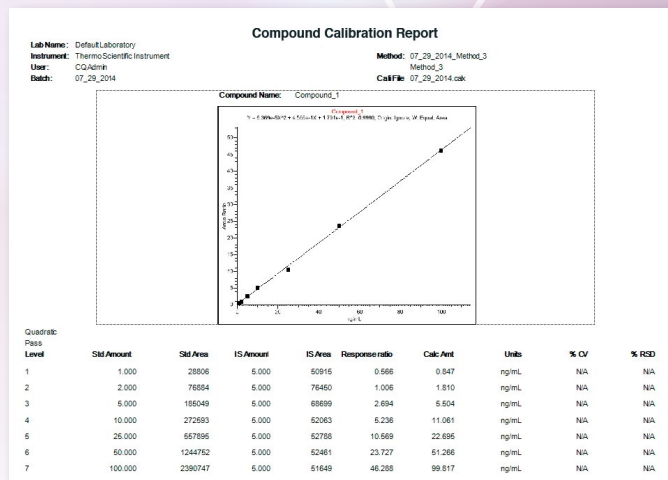
## SUPERVISOR LOGIN

## REVIEW TEST RESULTS

## APPROVE AND FILE REPORT

## Maintain Records, Help Ensure Data Integrity

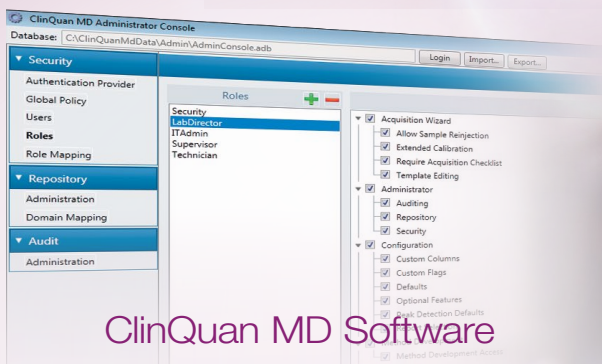
In order to streamline record keeping and ensure the integrity of results, records are reviewed, approved, and stored with a time-stamped audit trail. ClinQuon MD software records all user actions, from method building to reviewing and reporting data.



# Confidence in Results

Achieve greater productivity and confidence when providing laboratory-developed test results to the healthcare professionals you serve.

Thermo Scientific high-performance Class I medical devices for in vitro diagnostic use—Prelude MD HPLC, Endura MD mass spectrometer, and ClinQuan MD software—help you deliver LC-MS results easily, quickly, and with more confidence.



## ClinQuan MD Software

Designed to streamline laboratory workflows, ClinQuan MD software features a user-friendly interface and three-tiered access to software functions with permission levels for technicians, supervisors and directors as required by the Clinical Laboratory Improvement Amendments of 1988 (CLIA). Audit trails streamline record-keeping and help ensure the integrity of results.





## Prelude MD HPLC

Built to make LC-MS easier, the Prelude MD HPLC automates sample cleanup using Thermo Scientific™ TurboFlow™ technology. TurboFlow technology greatly reduces complicated manual sample cleanup steps and variability, so you can be more confident in results. To maximize sample throughput, the HPLC features two parallel channels that can run identical or different methods at the same time.

## Endura MD Mass Spectrometer

The Endura MD mass spectrometer combines usability, excellent quantitative performance, sensitivity, and robustness to deliver high-confidence LC-MS results day after day. The instrument features accurate, reliable quantitation and stable performance for the analysis of even small-volume and low-concentration samples.

*Thermo Scientific products enable you to make the world healthier, cleaner and safer with the LC-MS tests you run.*



For in vitro diagnostic use. Not available in all countries.  
Please visit [www.thermoscientific.com/clinquantMD](http://www.thermoscientific.com/clinquantMD)  
For complete product line information visit [www.thermoscientific.com](http://www.thermoscientific.com)

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