



Thermo Scientific Prelude MD HPLC
For In Vitro Diagnostic Use

Confidence in Results

With Ease and Efficiency

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Make the World Healthier

With the LC-MS Tests You Run



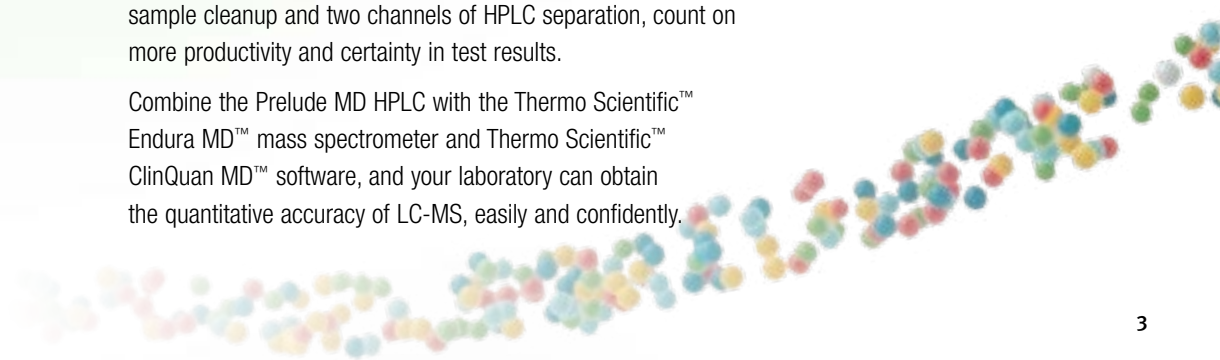


Results You Can Be Confident In, Easily and Efficiently

Your busy clinical laboratory must quickly and cost-effectively deliver accurate patient test results to the healthcare professionals you serve. The results of your numerous laboratory-developed tests must be fast, accurate and reproducible. And you must be confident in these tests, even when presented with complex sample matrices.

The Thermo Scientific™ Prelude MD™ HPLC is a Class I medical device for in vitro diagnostic use designed to help you meet these demands quickly and confidently, day after day. With automated sample cleanup and two channels of HPLC separation, count on more productivity and certainty in test results.

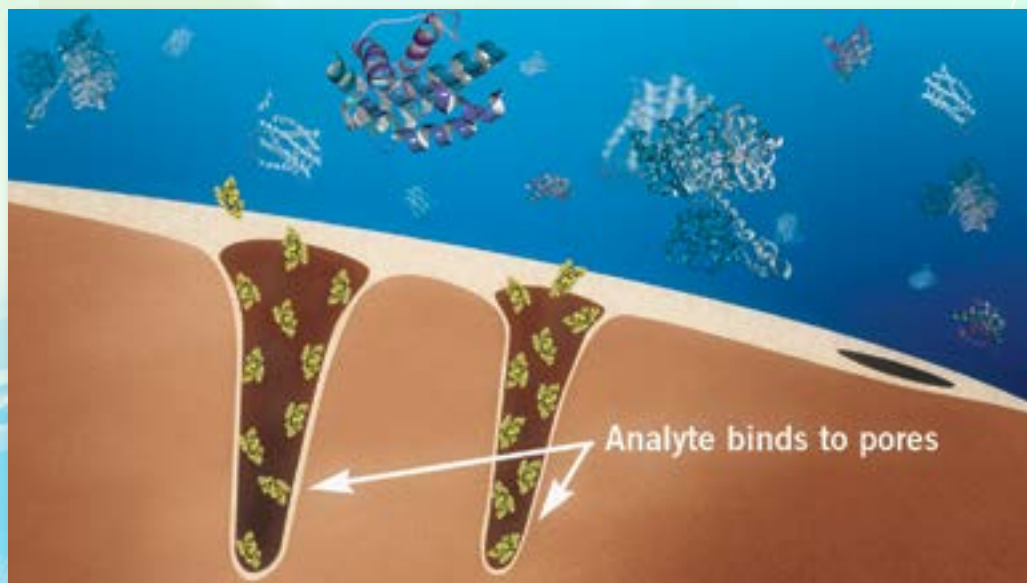
Combine the Prelude MD HPLC with the Thermo Scientific™ Endura MD™ mass spectrometer and Thermo Scientific™ ClinQuan MD™ software, and your laboratory can obtain the quantitative accuracy of LC-MS, easily and confidently.



Access the Quantitative Accuracy of LC-MS Easily and Confidently

Analyze Difficult Matrices

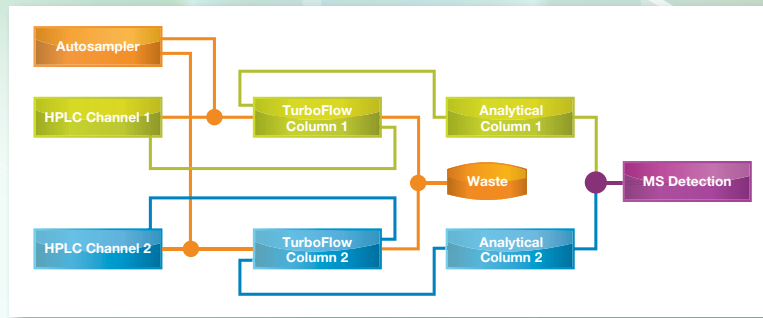
Complex biological matrices can require difficult and time-consuming sample cleanup. The Prelude MD HPLC uses Thermo Scientific™ TurboFlow™ technology to automate most sample cleanup tasks, greatly reducing error-prone manual steps and variability.



Large compounds flow to waste. Small compounds diffuse into pores. Only those small molecules that have an affinity to the chemistry inside the pores bind to internal surface. Other small molecules with a lower binding affinity quickly diffuse out of pores and are flushed to waste.

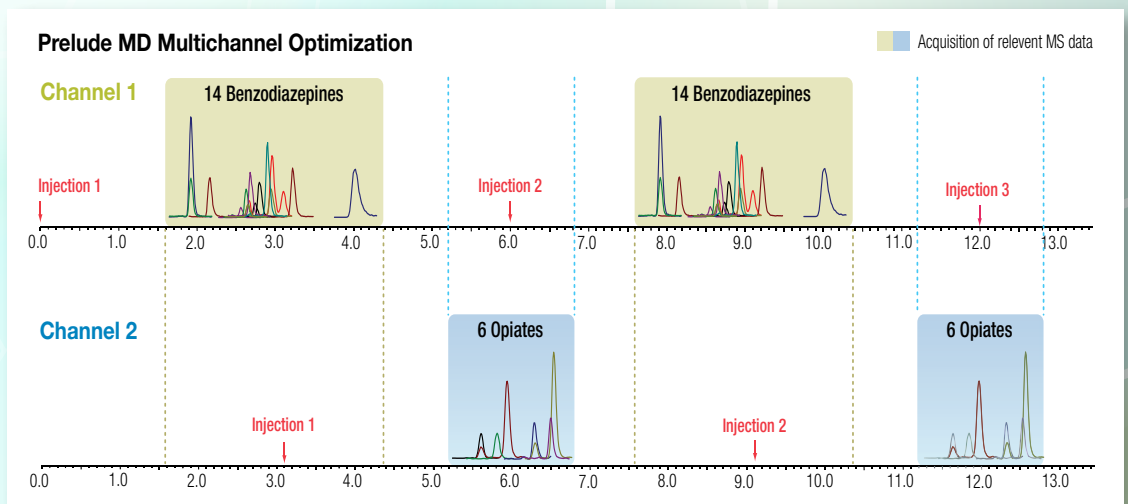
Run More Samples

Today's clinical laboratories are challenged to increase sample throughput and reduce sample turnaround time. The Prelude MD HPLC is designed to enable your laboratory to run more samples per hour, per mass spectrometer. Two separate HPLC channels are optimized to run identical or different methods at the same time, maximizing the output of the mass spectrometer. The flexibility of the Prelude MD HPLC allows two tests to run simultaneously, improving turnaround time and productivity.



The autosampler injects samples into the TurboFlow columns for cleanup. Then the HPLC pump delivers the analytes of interest to the analytical columns for separation. After separation, analytes are delivered to the MS for detection.

Multichannel optimization allows you to maximize mass spectrometer use and throughput.

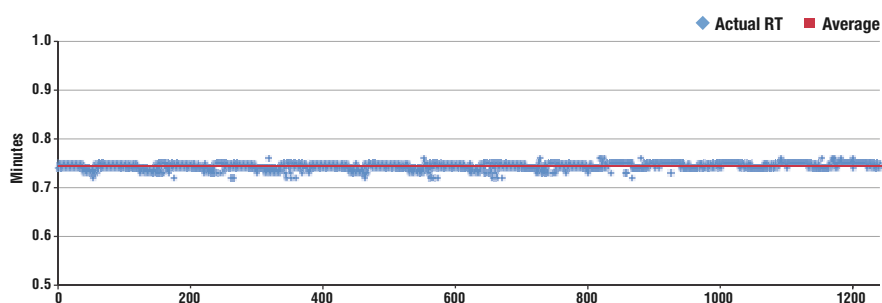


Quantitate Low-Level Samples Accurately and Reproducibly

You demand accurate, reproducible quantitative results. However, one of the obstacles encountered when analyzing patient samples by LC-MS is matrix components, which interfere with low-level detection and quantitation of target analytes. TurboFlow technology removes these matrix interferences,

capturing the analytes of interest for subsequent mass analysis. Ion suppression is minimized, improving the quality of mass spectrometry results. To further enhance confidence in results, syringe pumps deliver accurate, reproducible flow and gradient formation.

Over 1200 injections of an alprazolam standard spiked in crashed synthetic serum show the high reproducibility that can be achieved.



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/preludeMD
For complete product line information visit www.thermoscientific.com

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Printed in the United States.

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