

[ ACQUITY PREMIER SOLUTION ]



Stop looking and **start seeing**

Waters

THE SCIENCE OF WHAT'S POSSIBLE.™

# Redefining separation science. **Again.**

The most significant innovation in separation science since we introduced UPLC™ in 2004, the ACQUITY™ PREMIER Solution reduces variability associated with metal sensitive analytes - without time-consuming tasks like system and column passivation. By giving you greater confidence in your results, minimizing your risk, and increasing efficiency, you will have more time to generate meaningful data and focus on your next scientific breakthrough.

With the ACQUITY PREMIER Solution you can:

- Increase confidence in every result
- Minimize risk of undetected analytes
- Get to the right answer – faster

Sample Manager FTN

Acquity™ PREMIER

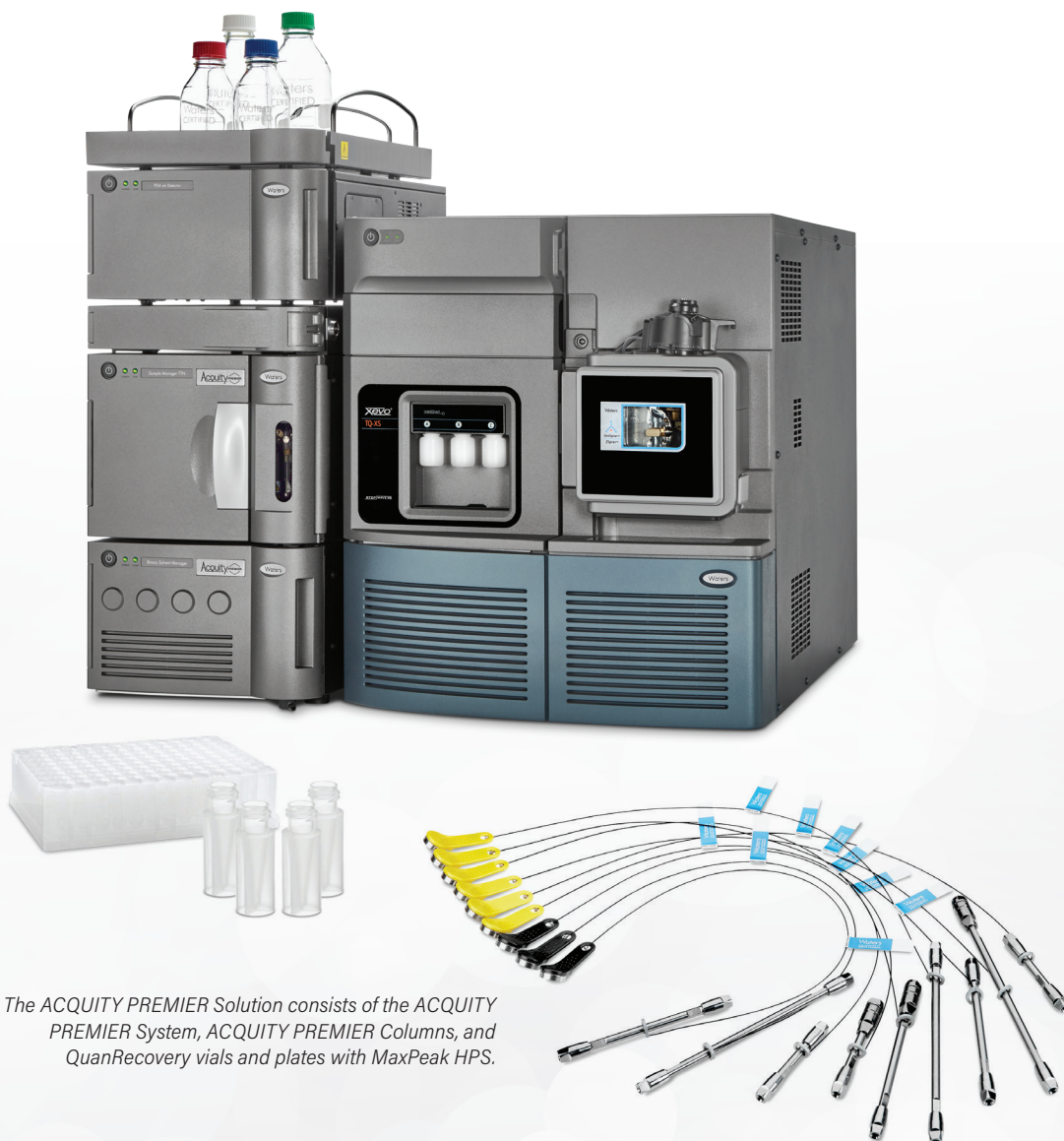


## Stop looking and **start seeing**

The ACQUITY PREMIER Solution enables your lab to make informed decisions and reduce risk with stronger analytical capabilities to detect more of your sample components from the very beginning. Get the highest limits of detection, more consistent results, and better recovery, so you can see what you couldn't before.

The ACQUITY PREMIER Solution can help you:

- Decrease time-to-result
- Reduce time on method development
- Increase overall efficiency in the laboratory



*The ACQUITY PREMIER Solution consists of the ACQUITY PREMIER System, ACQUITY PREMIER Columns, and QuanRecovery vials and plates with MaxPeak HPS.*

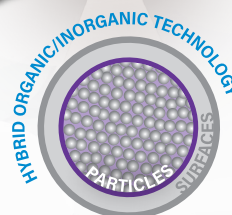
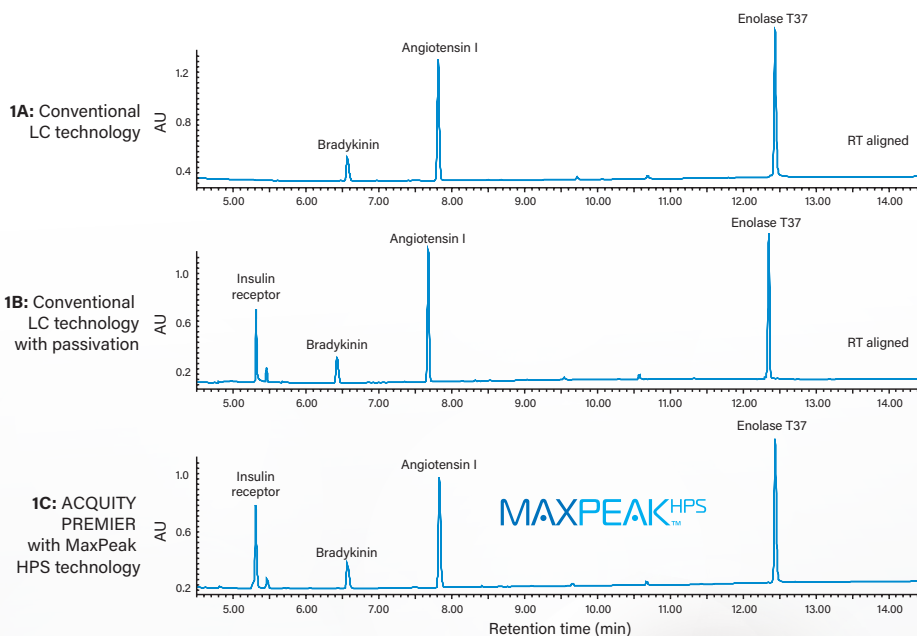


# MaxPeak High Performance Surfaces Technology

The ACQUITY PREMIER Solution is designed with MaxPeak High Performance Surfaces (HPS) Technology, which offers improvements in separation and detection of metal-sensitive analytes. By mitigating non-specific binding, the ACQUITY PREMIER Solution provides:

- Dramatic improvements in RP and HILIC applications for organic acids, organophosphates, oligonucleotides, peptides, glycans, and phospholipids
- Increased sensitivity reducing risk of undetected analytes
- Increased efficiency by eliminating time consuming system and column passivation
- Greater reproducibility and increased confidence in results

## EXCELLENT PERFORMANCE WITHOUT SYSTEM PASSIVATION



ACQUITY PREMIER Solution performance without time-consuming passivation - analysis of insulin receptor - doubly phosphorylated peptide (TRDIPYETDpYYRK).

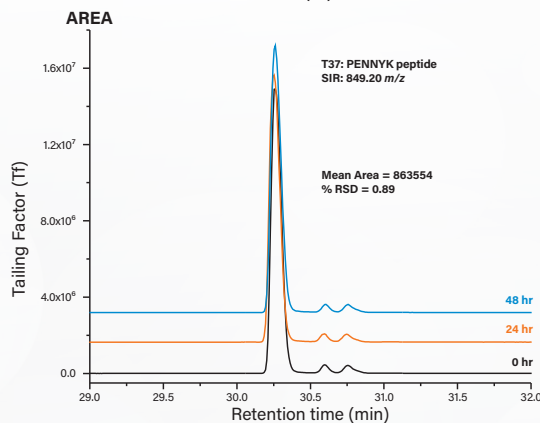
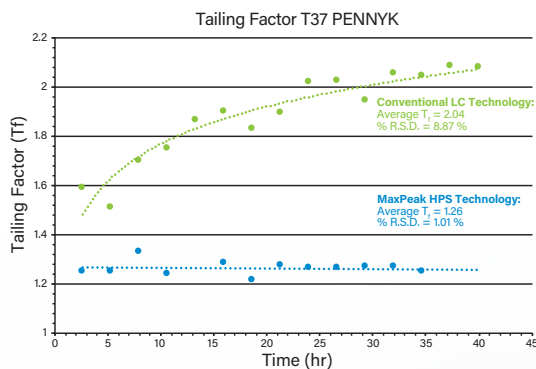


# Holistic solutions for optimal performance

A true measure of excellence for Waters is in orchestrating consistent instrument and chemistry optimization, enabling you to fine-tune your system to your specific analytical need, rapidly change between applications, and consistently maintain a high-level of confidence in every result.

The outcome is better quality data faster and improved system-to-system and column-to-column reproducibility, allowing methods to be transferred between analysts, instruments, and laboratories.

## BETTER PEAK SHAPES AND REPEATABILITY THAN CONVENTIONAL LC, WITHOUT PASSIVATION



Area N=15	Native (%)	Deamd. 1 (%)	Deamd. 2 (%)
Avg.	94.90	2.31	2.79
SD	0.10	0.06	0.05
RSD	0.11	2.51	1.94

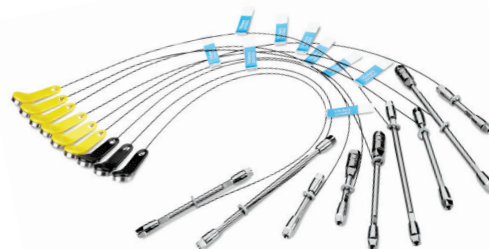


The ACQUITY PREMIER Solution significantly reduces analyte/surface interaction of sensitive compounds for improved chromatographic performance in RPLC/MS-based separations.



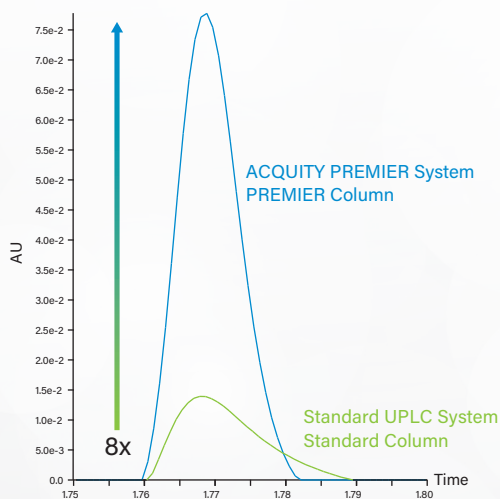
# Improve spectral quality and analyte identification

Obtaining high-quality mass spectrometry spectra is central to structural elucidation and analyte identification. The process of obtaining these spectra is often confounded by spectral overlap from closely eluting analytes or poor-quality MS signal due to low peak concentration. MaxPeak HPS Technology eliminates secondary interactions from metals, reducing chromatographic peak tailing. The result is more gaussian peaks, reduced chromatographic coelution, and superior spectral quality.

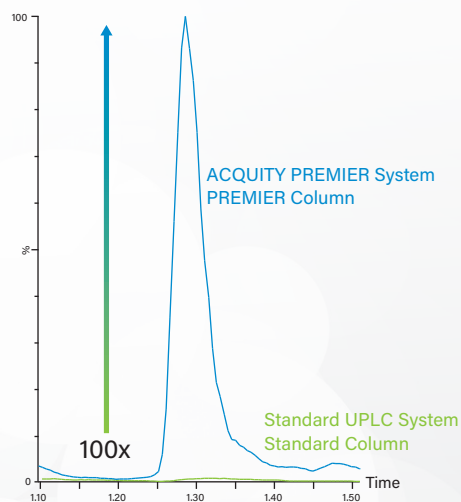


Reducing analyte adsorption in the LC system and column results in more concentrated peaks giving rise to more intense MS signals, superior ion statistics, and improved data quality.

## ACQUITY PREMIER SOLUTION PROVIDES UNBEATABLE CHROMATOGRAPHIC RESULTS



Analysis of dexamethasone sodium phosphate. Significant peak area improvement and reduced peak tailing demonstrated with ACQUITY PREMIER Solution compared to conventional LC technology.



ACQUITY PREMIER Solution provides unbeatable chromatographic results. Analysis of citric acid demonstrated 108-fold peak area improvement for the ACQUITY PREMIER Solution versus conventional LC technology.

## Global Services: Committed to your success

As part of the PREMIER experience, one of our applications specialists will work with you to ensure you are getting everything you need from your system. We have a flexible range of support plans to ensure you get the most out of your system:

### FLEXCHOICE™ MYSYSTEM COVERAGE\*

Choose the support you need – no more, no less. The Waters service team offers personalized and flexible support, maintenance, and service options to meet your unique lab requirements.

### COMPLIANCE SERVICES

Simplify your process of validating, qualifying, and record-keeping with consulting services to help meet your regulatory guidelines.

### PROFESSIONAL SERVICES

Waters comprehensive suite of consultative services, software applications, and analytical business tools guide you on your path to increased efficiencies and lower costs.

### FLEXUP™ TECHNOLOGY RENEWAL PROGRAM

Benefit from ongoing seamless upgrades to our latest LC and mass spec instrumentation and software and eliminate the issues associated with older instrumentation.

*\*Coming soon to all regions.*

## Informatics: Get more from your data for more trusted decisions

Capture, manage, integrate, and analyze your LC and MS data with our informatics platforms, improving discovery and manufacturing, quality and integrity, and reducing time to market. Easily and seamlessly conduct scientific searches, integrate networks, manage compliance, and streamline operations.

### EMPOWER™ CHROMATOGRAPHY DATA SYSTEM

Your entire laboratory operates better with Empower Software, which makes it easier than ever to run samples and produce meaningful results, all while ensuring adherence to strict compliance requirements.

### MASSLYNX™ SOFTWARE

Increase laboratory productivity with Waters MassLynx™ Software, which simplifies interaction with and improves your MS system with an intuitive interface, intelligent instrument control, and software features built around the focus of your analysis - the sample.

### UNIFI™

Merges LC and high-performance MS data into a single solution, providing organizations with the flexibility to deploy UNIFI-based systems within regulated and non-regulated laboratory environments.



Learn more about PREMIER solutions at [waters.com/PREMIER](https://waters.com/PREMIER)



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For your local sales office, please visit [waters.com/contact](https://waters.com/contact)



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# Waters

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