

Speed. Sensitivity. Resolution.

And still setting the standard.



Since its introduction in 2004, each addition to the **ACQUITY™ UPLC™** Performance LC System and Column family has continuously pushed science forward to enable faster, higher quality data to support the work that you do.



SPEED

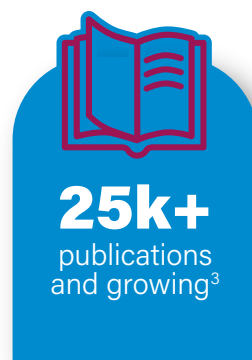
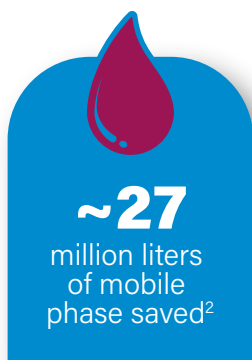


SENSITIVITY



RESOLUTION

WHAT DOES 20 YEARS OF IMPACT LOOK LIKE?



All stats based on 1000 injections/column

¹Based on a 30-minute HPLC run vs. 10-minute UPLC run

²HPLC 1.0 mL/min vs. UPLC 0.3 mL/min

³Scopus search for ACQUITY or UPLC, Dec 2023

[Column Stationary Phase Options](#)

UPLC IS ALL ABOUT PERFORMANCE

The **ACQUITY UPLC Performance LC** family has changed the industry's expectations for runtime, resolution, peak shape, and peak capacity.

Acquity_{UPLC™} H_{CLASS} PLUS

Flexibility of quaternary or binary solvent blending for routine UHPLC/UPLC analysis

Acquity_{UPLC™} I_{CLASS} PLUS

Highly efficient, rapid separations from ultra-low dispersion and delay volume

Acquity_{UPLC™} M_{CLASS}

Performance you expect from nano-to microscale separations.

Acquity_{UPLC™} PREMIER

Minimize metal-sensitive analyte loss and improve recovery

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Waters has 20+ years of UPLC innovation and technologies to solve problems that matter.

In 2004, **ACQUITY UPLC Columns** introduced BEH (Ethylene Bridged Hybrid) particle technology in sub-2 μm columns. These were the first high pressure tolerant chromatographic particles to produce faster separations with the highest resolution and sensitivity. Today, the sub-2 μm particle platforms have expanded to meet the increasing complexities of today's molecules.

Hybrid



BEH Technology

FULLY POROUS

Unparalleled
pH stability

Mobile phase and
temperature versatility



CSH Technology

FULLY POROUS

Exceptional
loading capacity

Superior peak shape
for basic analytes

Silica

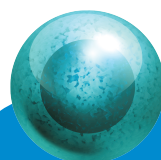


HSS Technology

FULLY POROUS

Maximum retention

Particle and
ligand selectivity



CORTECS Solid-Core Technology

SOLID-CORE

High efficiency
and resolution

Performance optimized
for backpressure

With **MaxPeak™ Premier Columns**, your lab can reduce the time wasted on column passivation and method optimization, while increasing reproducibility, sensitivity, and overall quality of results.

The ACQUITY Premier System features **MaxPeak High Performance Surfaces (HPS) Technology**, which offers improvements in separation and detection of metal-sensitive analytes, enabling you to minimize the risk of undetected analytes.

Learn more at
waters.com/20Years

