Agilent Technologies

Authorized Distributor

LIQUID CHROMATOGRAPHY

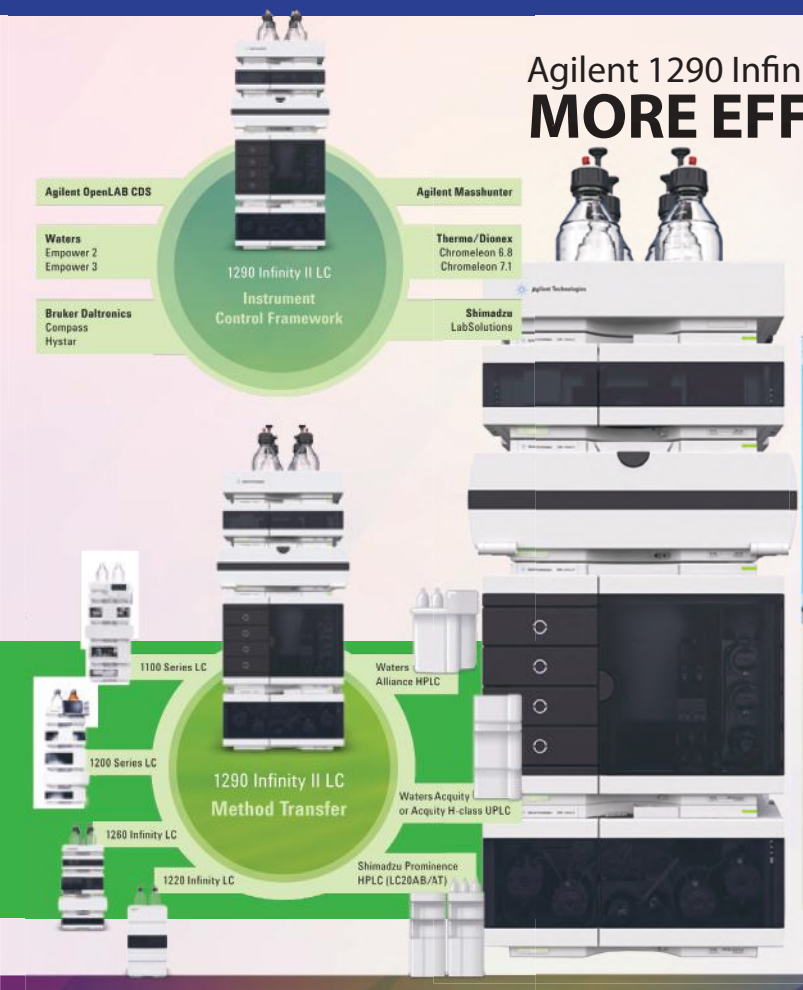
INSTRUMENT SOLUTION GROUP

Agilent 1220 Infinity LC
INFINITELY MORE AFFORDABLE

Is your lab looking for a future-proof system that provides superior performance and robustness for routine analyses, run after run and day after day? Are you looking for the best system on the market that fits your application needs and your budget? Here's the answer: the 1220 Infinity LC from Agilent – the manufacturer of the most-trusted LC with 40 years of innovation and experience in separation science. Take the advantage of Agilent's unmatched combination of advanced instrumentation, versatile software and application-matched columns and consumables.

Agilent 1260 Infinity LC
Infinitely more confident.

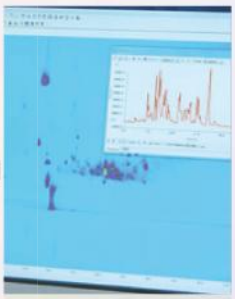
The new 1260 Infinity LC sets higher standards in performance and value to give you more confidence in your results. The 600 bar power range combines with 80 Hz UV detector speeds and up to 10 times higher sensitivity. That's true RRLC performance! At the same time you can run your existing HPLC methods – completely unchanged. In short, the best solution for any HPLC or RRLC application. And within the price range of a typical HPLC!



Agilent 1290 Infinity II LC
MORE EFFICIENCY, MORE FREE TIME

New Benchmarks in Efficiency

The new Agilent 1290 Infinity II LC system embodies the future of UHPLC—with the exceptional reliability and robustness you expect from Agilent, plus breakthrough technologies to maximize the efficiency of your business in three dimensions.

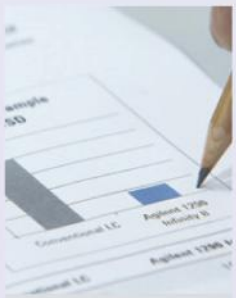


MAXIMIZE
ANALYTICAL EFFICIENCY

Unmatched separation and detection performance deliver analysis data of the highest quality – for ultimate confidence in your results.

MAXIMIZE
INSTRUMENT EFFICIENCY

Highest sample capacity and fastest injection cycles combine with new levels of usability – for highest throughput for any application.



MAXIMIZE
LABORATORY EFFICIENCY

Seamless integration in current infrastructure and smooth method transfer from legacy equipment – for non-disruptive transition to highest productivity and lowest cost of ownership.

AGILENT TECHNOLOGIES :
LIQUID CHROMATOGRAPHY

From entry level to advanced research, Agilent 6100 Series Quadrupole LC/MS systems are available in a range of configurations tailored to your lab's analysis and throughput needs, and to your budget. To keep pace with your future requirements, performance can easily be upgraded.

Agilent 6100 Series Single Quadrupole LC/MS Systems

Faster answers through high quality mass spectral information.

Step up to unprecedented sensitivity, selectivity and high-quality spectral information.

From routine QC to research-level applications, Agilent 6100 Series Quadrupole LC/MS systems deliver unmatched analytical performance and proven day-after-day reliability. They offer industry-leading data quality in a space-saving benchtop package. Agilent's single quad technology has earned a reputation for robustness and dependability in pharmaceutical and chemical analysis laboratories around the world. Available in configurations to match your needs and budget, easy-to-use, affordable 6100 Series systems give you the capability to:

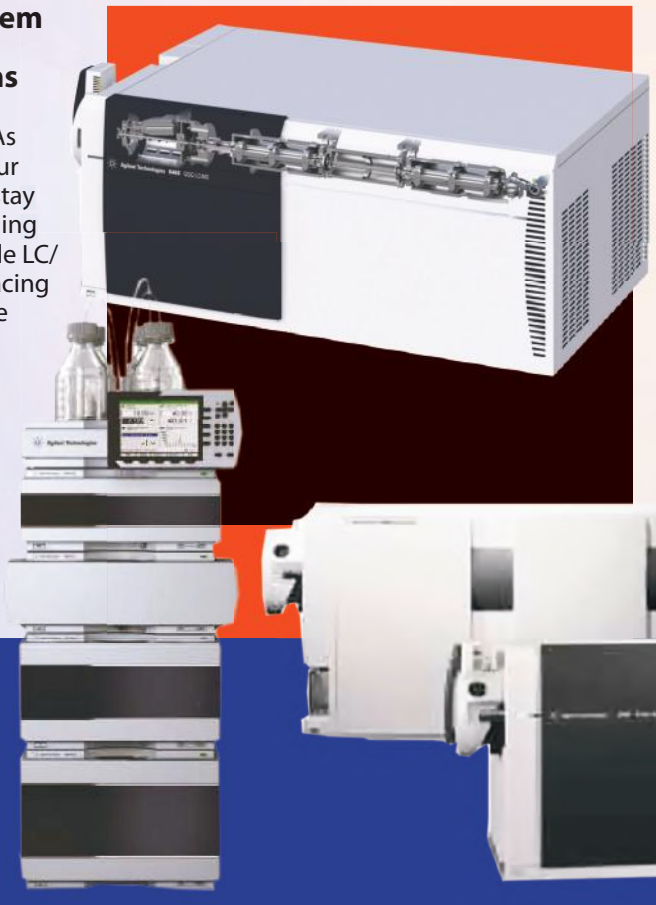
- Rapidly screen compounds and confirm molecular weights
- Positively identify impurities
- Purify target compounds in complex mixtures
- Quantitate target compounds

Agilent 6400 Series Triple Quadrupole LC/MS Systems

SUPERIOR SENSITIVITY WITH EASY UPGRADEABILITY

Future proof your tandem LC/MS investment with unique upgrade options

Maximize your return while protecting your investment. As performance demands on your laboratory increase, you can stay ahead of the curve by upgrading your Agilent Triple Quadrupole LC/MS Systems, rather than replacing them. Enter the world of triple quadrupole analysis with the affordable and easy-to-use 6420. Upgrade to the 6430 for enhanced sensitivity, and then add Agilent Jet Stream Technology to achieve the higher performance of the 6460.



Innovative mass spectrometry technology delivers superior performance

Agilent 6400 Series Triple Quadrupoles are designed and constructed using the latest electronics and hardware manufacturing techniques. This state-of-the-art technology includes orthogonal ionization technology, a hyperbolic quadrupole design, a high-pressure hexapole collision cell with linear acceleration, and an off-axis high energy dynode detector. When integrated with the Autotune algorithm, MassHunter software, and processing tools, this technology delivers the highest quantitative performance available.

Agilent Accurate-Mass 6500 Series Q-TOF and 6200 Series TOF LC/MS Systems

THE CLEARLY BETTER CHOICE IN TOF AND Q-TOF LC/MS

The unmatched confidence of Ultra High Definition Q-TOF Technology—plus the speed of Agilent's 1290 Infinity LC

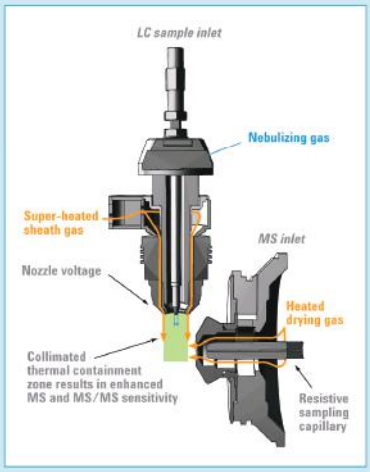
Welcome to the power—and the certainty—of Ultra High Definition Q-TOF technology. They come together in the Agilent Accurate-Mass 6500 Series Q-TOF LC/MS and Agilent Accurate-Mass 6200 Series TOF LC/MS systems. And now the family is enhanced by the front-end speed, sensitivity, and chromatographic resolution of our new 1290 Infinity LC. So you can separate and identify more low abundance compounds faster, easier, and with higher confidence. Whether you are analyzing PTMs, profiling biomarkers, identifying metabolites, screening for pesticides, or characterizing intact proteins, Agilent TOF and Q-TOF solutions deliver the data quality demanded of the most critical science. You get:

The analytical performance you need to identify components in complex, real-world samples.
The speed you need to realize the benefits of today's fastest UHPLC separations.
The confidence you need to make better decisions, sooner.
The data-mining tools you need to boost your lab's productivity and take full advantage of superior accurate-mass MS and MS/MS measurements
The advanced screening, profiling, and identification capabilities of Agilent's MassHunter software

Clearly better performance—by any measure

Through the use of Ultra High Definition Q-TOF technology, the 6200 and 6500 systems achieve industry-leading mass accuracy, dynamic range, and sensitivity without compromising data acquisition speed, mass range, or mass resolution—trade-offs that occur in competitive Q-TOF-based systems and even in more expensive Orbitrap mass analyzers. It's a compelling proposition: you get the speed you need to keep up with today's ultra-fast UHPLC separations, plus the MS and MS/MS performance you need to get as much information as possible from the most challenging samples.

- Sub ppm mass accuracy improves confidence and reduces false positives.
- Resolving power up to 40,000 separates compounds of interest from interferences.
- Data acquisition rates up to 20 spectra per second assures maximum data quality and compatibility with the fastest chromatography and high-throughput workflows.
- Up to five orders of in-spectrum dynamic range reveals trace-level targets even in the presence of vastly more abundant compounds.
- High, femtogram-level sensitivity finds impurities, metabolites, or biomarkers at extremely low concentrations.
- Fast, scan-to-scan polarity switching lets you analyze both positive and negative ions in a single experiment.
- Automatic tuning and reliable delivery of an internal reference mass ensures consistent mass accuracy and reliable elemental composition determination over a wide range of concentrations and m/z.



Agilent Jet Stream Technology increases LC/MS and LC/MS/MS sensitivity five-fold

Agilent Jet Stream Thermal Focusing technology significantly increases MS and MS/MS sensitivity by improving the spatial focusing of electrospray droplets. The innovative technology uses super-heated nitrogen to improve ion generation *and desolvation* for greater signal and reduced noise. This boosts sensitivity 5x or more for multiple applications, including the analysis of drug candidates and trace levels of food contaminants, metabolites, or biomarkers.