



Agilent 1200 Infinity Series

Infinitely better



1220
Infinity LC

1260
Infinity LC

1290
Infinity LC

The Measure of Confidence



Agilent Technologies

Infinitely better.

The **Agilent 1200 Infinity Series** is infinitely better. It offers a comprehensive portfolio of LC solutions that give you uncompromised chromatographic performance while remaining within the confines of your budget. Whatever your application requires – now or in the future – common technology across the portfolio helps you increase laboratory productivity and decrease operational costs. And because it's from Agilent, you get everything you expect from a chromatography leader with over 40 years of innovative contributions to LC technology.

The Agilent 1290 Infinity LC ended the UHPLC debate

Now we raise the HPLC standard. The 1220 and 1260 Infinity LC give you UHPLC capability at HPLC price: 600 bar and 80 Hz detector speed. Further, all systems are up to 10 times more sensitive and 100% compatible with all your HPLC methods to ensure riskless replacement of existing instruments.

Together this new portfolio offers a unique continuum of future-proof HPLC and UHPLC solutions to match any application or budget. Plus, it's from a name you trust for highest quality – Agilent.

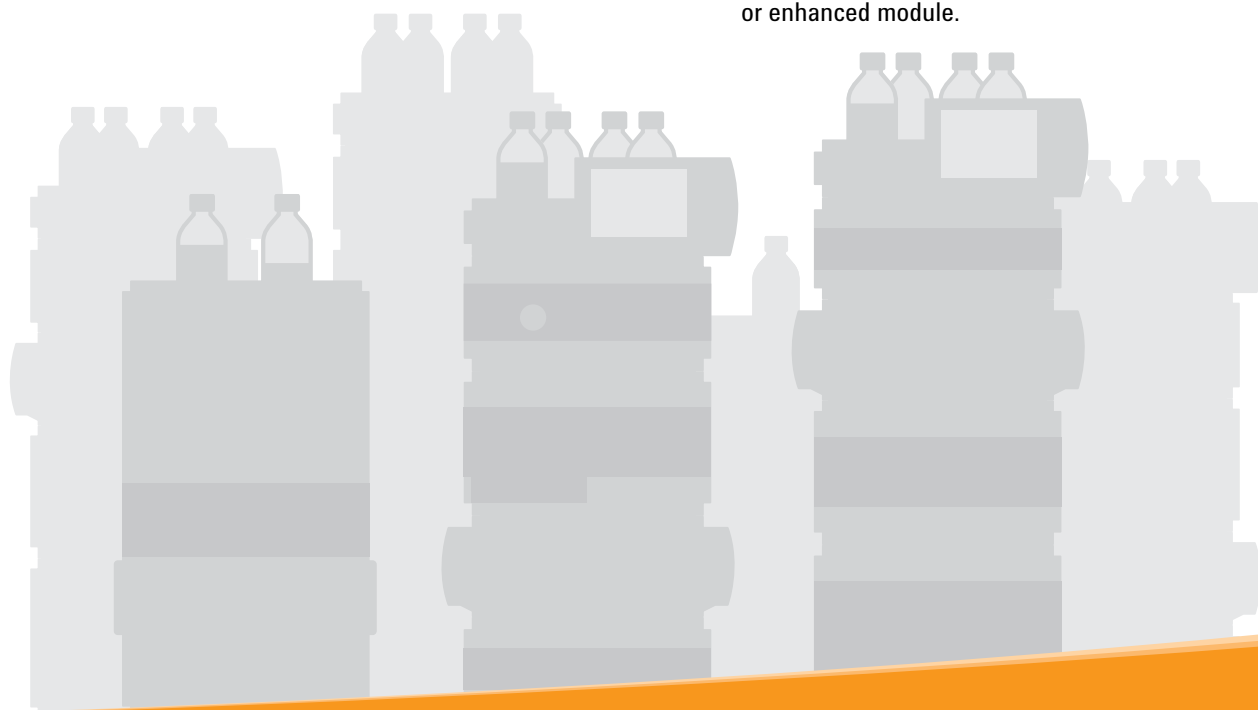
The Agilent Value Promise – Infinitely better investment protection

Agilent offers unlimited module and system compatibility between the 1200 Infinity Series and previous 1100 or 1200 Series. This unique capability of Agilent's LC solutions facilitates flexible, stepwise upgrade for any Agilent LC – now or in the future!

Upgrade your current 1100 or 1200 Series system **now** with a new 1200 Infinity Series module:

- detectors – for higher sensitivity and detection speed
- pump and autosampler – for support of latest 1.8 μm rapid resolution column technology
- column compartments – for 8 columns and 24 solvents for fully automated multi-method or method development

Invest in the 1200 Infinity Series today and rest assured that your system can be upgraded in **future** with any new or enhanced module.



Infinitely more affordable

The Agilent 1220 Infinity LC is a high quality, integrated system for routine HPLC and advanced UHPLC analysis, for maximum return on investment.

- 600 bar power range up to 5 mL/min and 80 Hz detector speed – prepare your lab to take advantage of latest advances in LC column technology
- Full compatibility with all other detectors within the 1200 Infinity Series and with 6100 Series Quadrupole MS – run any existing HPLC or UHPLC method
- Uses same technology and parts as 1260 and 1290 Infinity LC systems



1220
Infinity LC

Infinitely more confident

The Agilent 1260 Infinity LC raises the standard in HPLC – without raising the price. It offers new levels of productivity, data quality and robustness to give you highest confidence in your investment.

- 600 bar standard pump pressure, 80 Hz standard detector speed and up to 10 times higher UV detection sensitivity – be prepared for today's and tomorrow's challenges
- 100% compatible with all your HPLC methods – ensuring riskless replacement of existing equipment
- Priced similar to earlier 1200 Series HPLC and markedly below 1200 Series RRLL systems – get enhanced UHPLC capability for HPLC price



1260
Infinity LC

Infinitely more powerful

The Agilent 1290 Infinity LC is the last word in chromatographic performance providing highest speed, resolution and sensitivity.

- Wide power range up to 1200 bar – deploy any particle type, any column dimensions, or any mobile and stationary phases
- For seamless instrument to instrument method transfer, simply emulate other LC systems with Agilent's new ISET
- Lower total cost of ownership – get UHPLC productivity at service costs comparable to HPLC equipment



1290
Infinity LC

To learn more about the Agilent 1200 Infinity Series, visit www.agilent.com/chem/1200

Agilent – The safe investment

Future proof.

Purchase a solution from the Agilent 1200 Infinity Series and you can be confident that you have made the safest possible LC investment. Seamless integration of column technology, instrumentation and software ensure utmost productivity. With more performance to meet today's requirements, you also have more compatibility and flexibility to take on tomorrow's challenges.

Future-proof methods

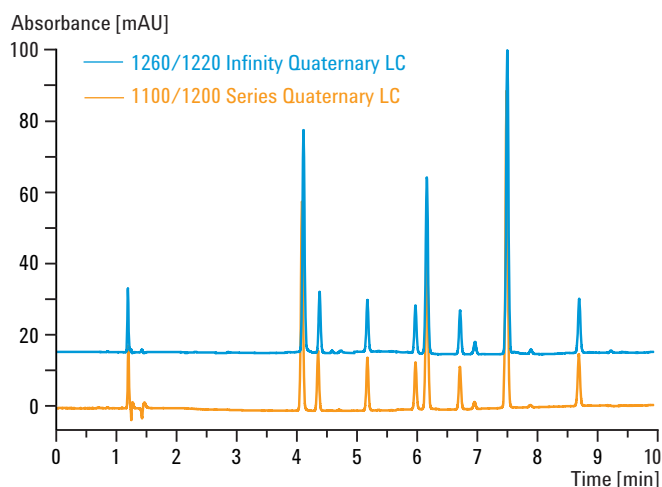
The flexibility of the Agilent 1200 Infinity Series facilitates straightforward adaption of existing or future methodologies. Whether you developed your methods on earlier Agilent 1100 or 1200 Series systems, full methods compatibility means you will be running your samples with no adjustments to conditions.

Future-proof data confidence

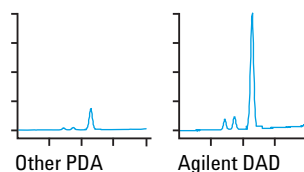
The 2-10x higher sensitivity of Agilent's detection systems gives you a clear lead in trace-level analysis. Stay ahead of your customer's requirements with the superior chromatographic performance of the Agilent 1200 Infinity Series and be prepared to take on the future.

Future-proof investment

The Agilent 1200 Infinity Series provides a common platform on which you can build solutions for every part of your laboratory operation. Optimize your chromatography with a 1290 Infinity Method Development System and then simply transfer your methods to a configuration best-suited for routine analysis such as a 1220, 1260 or 1290 Infinity system or even your existing Agilent 1100 or 1200 Series system.



The 1200 Infinity Series is 100% compatible with your current methods – run your samples with no adjustments to conditions.



The sample looks clean with other PDA detectors but the Agilent DAD uncovers a 0.002% impurity.

Infinitely more innovation

Agilent has 40-year track record of relentless innovation and groundbreaking contributions to LC and LC/MS technology. When you choose an Agilent system, you can rest assured that it gives you the proven quality and performance you expect from the technology leader.

Microprocessor controlled LC system	Diode array detector for peak purity detection in LC	Single-valve, high-pressure injector for LC	Electronic column-id tracking with RFID technology	Commercial orthogonal spray interface for MS	Flow-sensor-based capillary and nanoflow systems for LC
1976	1982	1985	1995	1997	1999

40 years of technology innovation

Reliable. Secure. Trusted.

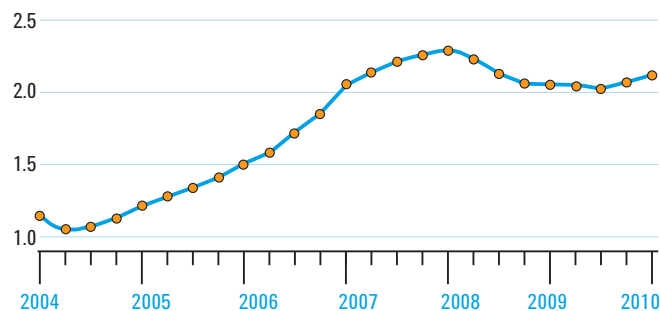
Tens of thousands of laboratories worldwide rely on Agilent LC equipment to provide the high quality results they need, run after run and day after day. More than 700,000 LC modules are hard at work around the globe, delivering unmatched performance, productivity and reliability. Put your trust in Agilent – the acknowledged leader in solutions for liquid chromatography.

All the performance. All the time.

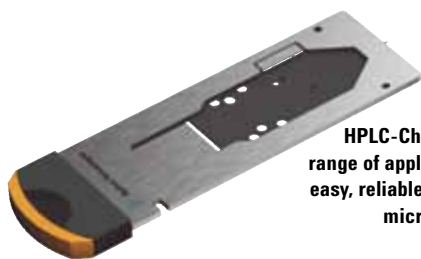
“It just never fails.” That’s how users perceive the world’s top-selling LC from Agilent. Every system is packed with highest quality parts for highest uptime and longest maintenance intervals. Further, sophisticated built-in diagnostic and maintenance tools ensure reliable and secure operation:

- Complete leak safety control on every configuration
- Modular intelligence through CAN networking
- Unique radio-frequency tagging on detector lamps, flow cells, columns and valve heads
- Easy front access to all user-maintainable parts
- Single LAN/PC connection
- Screw-less electronic board mounting
- Sophisticated diagnostics for maximum uptime

Agilent Quality Index



Our continuous commitment to reliability and robustness is reflected in the Agilent Quality Index that has more than doubled over the last 5 years.



HPLC-Chips are available for a wide range of application needs and facilitate easy, reliable and completely integrated microfluidic nanospray LC/MS



Innovative Jet Weaver mixer – based on multilayer technology – combines highest mixing efficiency with lowest delay volumes to minimize UV detector noise.

Automated fraction delay sensing for preparative LC

Active post-column flow splitting for LC/MS-triggered purification

Commercial columns with UHPLC technology

On-chip separation with HPLC-Chip/MS technology

Secure RF tags on LC detector flow cells and lamps

80 Hz technology for accurate UHPLC-UV detection

High-efficiency solvent mixer with multi-layer technology

Active-damping technology for 10x more precise solvent delivery

Non-coated optofluidic waveguides for 10x higher UV sensitivity

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

Future-proof >>>
2010 2011

Agilent 1290 Infinity LC

Infinitely more powerful.

With more than enough power to handle any HPLC or UHPLC challenge, the advanced technology in the Agilent 1290 Infinity LC provides you with access to virtually limitless separation, detection and throughput possibilities. In short, the 1290 Infinity is the last word in LC.

Infinitely more powerful

The 1290 Infinity Binary Pump gives you maximum chromatographic performance, compatibility and flexibility for superior LC/UV and LC/MS performance.

- Active damping for best-in-class gradient performance and retention time precision
- Agilent Jet Weaver mixer with proprietary multi-layer technology has less than 40 μL delay volume for ultrafast gradients and lowest baseline noise

Infinitely more sensitive

New technologies for UV and MS detection deliver new levels of sensitivity and baseline robustness. In UV analysis you are now able to detect and quantify impurities down to 0.001% of the main compound. More stable baselines translates into more automated integration – hence minimizing risk of error-prone, manual integration.

- Agilent Max-Light flow cell in the 1290 Infinity Diode Array Detector achieves typical noise levels of $\pm 0.6 \mu\text{AU}/\text{cm}$ for more than 10 times higher sensitivity
- Agilent Jet Stream technology in Agilent single quad, triple quad, TOF and Q-TOF MS systems for improved sensitivity in all applications

Infinitely more flexible

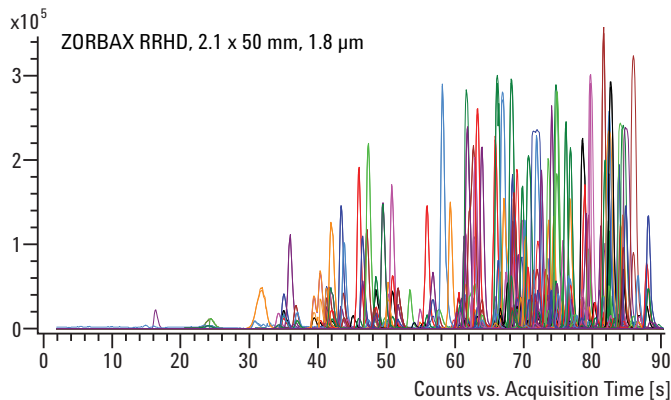
The 1290 Infinity LC gives you ultimate method flexibility from conventional HPLC to UHPLC, allowing you to run your existing methods from any instrument.

- For seamless instrument-to-instrument method transfer, simply emulate other LC systems with Agilent's new Intelligent System Emulation Technology (ISET).
- Agilent Quick-Change valves in the 1290 Infinity Column Compartment enable resource-saving ultrahigh-throughput, multi-method and automated method development solutions
- A variety of injection options meet your requirements for speed, lowest carryover or cooled sample capacity
- Full compatibility with all detectors within the 1200 Infinity Series gives you the flexibility to select the optimum detection technique for your analytical challenge

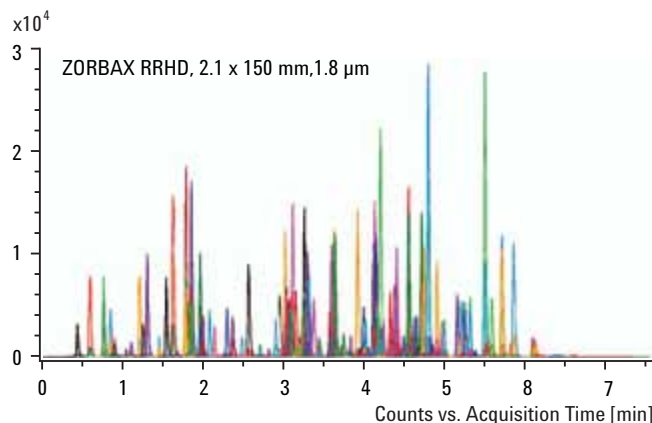


More power – lower running costs

Run your 1290 Infinity LC at the cost of a conventional HPLC system. Agilent offers services and support contracts for the 1290 Infinity LC at similar price as earlier 1100 and 1200 Series systems, lowering significantly your total cost of ownership.



Ultrahigh analysis speed – The Agilent 1290 Infinity LC is designed to drive even higher levels of performance from Agilent LC/MS systems such as the 6540 Ultra High Definition Q-TOF with Agilent Jet Stream technology. In this 90-second assay 250 pesticides were analyzed with excellent chromatographic and mass spectral resolution across the mass range of the sample.



Ultrahigh resolution – Fast analysis of 224-pesticides at the 500 ppt level in less than 7 minutes using the Agilent 1290 Infinity LC and 6430 Triple Quad with dynamic MRM. Average peak area RSD was less than 5%.

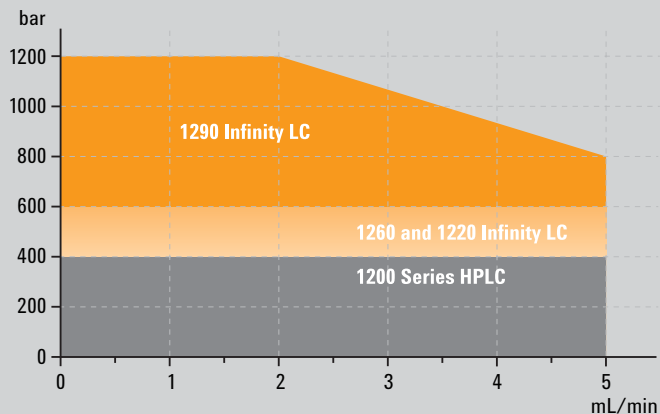
Here's why the 1290 Infinity LC is the last word

With the Agilent 1290 Infinity LC, you're no longer limited in your choice of column dimension, particle type, mobile and stationary phase, flow rate or pressure. Whatever the chromatography requires for optimal performance, the system can handle it, thanks to its wide power range and next-generation technology. This also includes the new ZORBAX Rapid Resolution High Definition (RRHD) 1.8 μm columns – the only columns designed for up to 1200 bar operation.

The 1290 Infinity LC is also the first system to give you a foundation for methods transfer to or from any Agilent or non-Agilent HPLC or UHPLC system. In short, infinite capabilities are available to solve all your HPLC, UHPLC and LC/MS challenges.

Who can argue with that?

1200 Infinity Series Power Range



The power range of the 1290 Infinity LC is the widest available from Agilent, combining ultrahigh pressures up to 1200 bar and high flow rates up to 5 mL/min for maximum chromatographic performance, compatibility, flexibility and investment protection.

To learn more about the Agilent 1290 Infinity LC, visit www.agilent.com/chem/1290

Agilent 1260 Infinity LC

Infinitely more confident.

The modular design concept of the 1260 Infinity LC and the wide range of solvent delivery, injection and detection options, allow you to configure a system that matches exactly your requirements for chromatographic performance and flexibility. And the extensive range of Agilent ZORBAX and Poroshell LC columns allows you to obtain the needed separation of your sample. Whatever your application needs you can be confident of achieving higher quality data and faster results.

More rapid resolution power

With all 1260 Infinity LCs you can push UHPLC performance to new limits and continue to run your conventional HPLC methods on a single system. The power range of 600 bar at 5 mL/min handles with ease 3.0 and 4.6 mm id columns with sub-2-micron or superficially porous particles used in new Poroshell columns. Further, the new 1260 Infinity Diode Array Detector increases UV sensitivity by 2- to 10-fold.

More solvent flexibility

The 1260 Infinity Quaternary LC's ability to form complex gradients or blend solvents online helps you separate more efficiently and with more confidence than ever before.

- Quaternary pump gives you the flexibility to use up to four solvent for gradient composition – at up to 600 bar
- 10 mL/min flow rate for analytical work with 3.0 and 4.6 mm id columns, or even for semi-preparative applications

More LC/MS performance

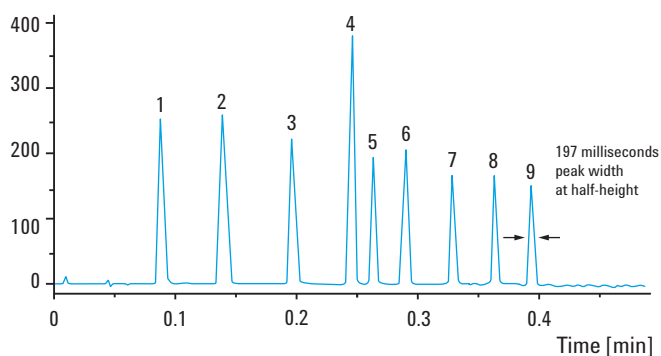
The 1260 Infinity Binary LC uses high-pressure solvent mixing for superior gradient accuracy.

- Configurable delay volume as low as 120 μ L gives you full support of 2.1, 3.0 and 4.6 mm id columns for LC and LC/MS



1260 Infinity Binary LC

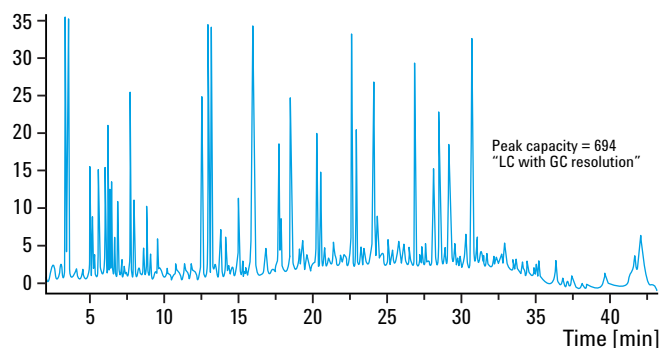
Absorbance [mAU]



Ultrafast separation of a phenone mixture using the Agilent 1260 Infinity Binary LC with ZORBAX RRHT SB-C18 column (2.1 x 50 mm, 1.8 μ m).

1260 Infinity Binary LC

Absorbance [mAU]



Peak capacities of more than 700 can be achieved using a ZORBAX RRHT SB-C18 column (2.1 x 150 mm, 1.8 μ m) to analyze a tryptic digest of BSA.

More speed and resolution for faster separations

All Agilent 1260 Infinity LC systems, equipped with second generation ZORBAX Rapid Resolution High Throughput (RRHT) 1.8 μm columns or with new Poroshell 120 columns, facilitate analysis speeds that are up to 20 times faster than conventional HPLC, while maintaining the high quality resolution and precision that LC is known for. The low backpressure of the Poroshell 120 columns allows you to choose one column for excellent resolution or couple several columns in-series, achieving highest separation power per time (90,000 plates within 4 minutes) and allowing you to attain a new level of knowledge about your sample and more confidence in your results.

Higher peak capacity

Achieve "GC-like resolution" with peak capacities of more than 700 using long ZORBAX RRHT columns on your 1260 Infinity Binary LC system. The example shows the analysis of a tryptic digest of BSA using a ZORBAX RRHT SB-C18 column (2.1 x 150 mm, 1.8 μm).

Lower limits of detection

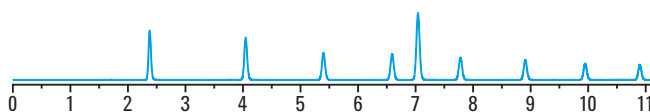
The capability of all Agilent 1260 Infinity LC systems to achieve higher separation efficiency results in sharper peaks and higher signals. Combine this with the low noise characteristics of the 1200 Infinity Series diode array detectors for unmatched UV sensitivity. Now see what you have been missing: For instance, you can detect and quantify impurities such as genotoxins down to 0.001% of the main compound!

More bio-compatibility

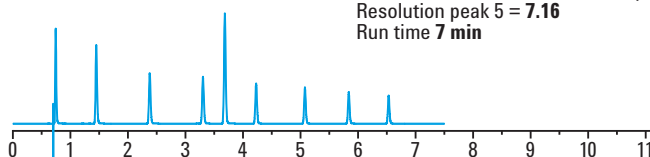
The new Agilent 1260 Infinity Bio-inert Quaternary LC system uses inert, metal-free materials for all parts in the flow path, giving you highest confidence in your protein analysis results. And new Agilent BioHPLC Columns give you exciting new choices in size exclusion and ion exchange for superior protein separations.

1260 Infinity Quaternary LC
1220 Infinity Gradient LC

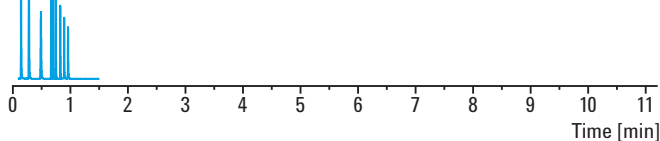
Conventional HPLC
ZORBAX 4.6 x 150 mm, 5 μm
Resolution peak 5 = 4.20
Run time 11 min



Resolution optimized
ZORBAX RRHT, 3.0 x 100 mm, 1.8 μm
Resolution peak 5 = 7.16
Run time 7 min



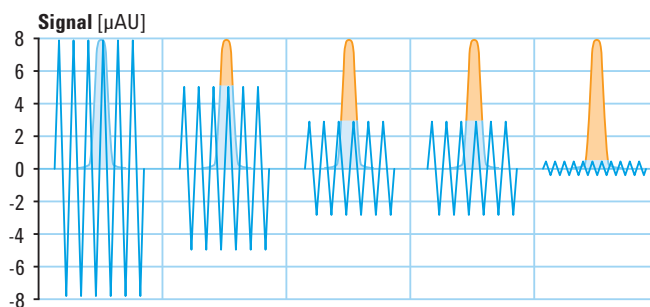
Speed and resolution optimized
ZORBAX RRHT, 3.0 x 50 mm, 1.8 μm
Resolution peak 5 = 4.79
Run time 1.1 min



Achieve conventional to high-speed and high-resolution chromatography on one LC system – here the Agilent 1260 Infinity Quaternary LC system. You can get the same results on a 1220 Infinity LC and even better performance on a 1290 Infinity LC.

Detector Type Noise Specification

Vendor A	Vendor B	Vendor C	Vendor D	Agilent DAD
$\pm 8 \mu\text{AU}$	$\pm 5 \mu\text{AU}$	$\pm 3 \mu\text{AU/cm}$	$\pm 3 \mu\text{AU}$	$\pm 0.6 \mu\text{AU/cm}$



The 1260 and 1290 Infinity diode array detectors achieve exceptional low noise characteristics, for highest sensitivity and lowest limits of detection.

Agilent 1220 Infinity LC

Infinitely more affordable.

Is your lab looking for better, more reproducible results for all your standard HPLC and RRLC analyses, run after run and day after day? Are you looking for an affordable, high quality solution that maximizes uptime, minimizes maintenance and provides the highest return on your investment?

Here's some good news: the 1220 Infinity LC from Agilent with 600 bar pump pressure and 80 Hz detector speed for full HPLC and UHPLC compatibility.

Simply more value

Now any lab can take advantage of Agilent's unmatched combination of advanced instrumentation, versatile software and application-matched columns and consumables.

- Robust solution for optimal performance – even with advanced column technologies – while minimizing complexity
- It's from Agilent, giving you the proven quality and performance you expect from the industry leader
- Comes in your choice of three easy to own, integrated, "all-in-one" configurations
- Handles standard 4.6 mm or smaller 3.0 mm inner diameter columns with conventional particles, or sub-two-micron or superficially porous particles – at pressures up to 600 bar
- Allows you to run your existing applications and gives you the freedom to optimize your methods or deploy modern applications and technologies

And, more future options

Don't be misled by the compactness of the 1220 Infinity LC. It's a safe investment that is truly future-proof. Choose an upgrade path that meets your lab's requirements today and tomorrow.

- Move from isocratic to gradient solvent delivery, from manual injector to autosampler, or add a column oven
- Extend your detection capabilities with any 1200 Infinity Series detector or 6100 Series Single Quadrupole MS
- Upgrade your Agilent CDS software from a single workstation to a client/server installation for enhanced system control and data handling



The Agilent 1220 Infinity LC was selected as the Best New Separations Product of 2010 by the members of the SelectScience.net web community.

More routine reproducibility

The 1220 Infinity LC is based on proven technology, making it ideal for routine applications in labs operating 24 hours a day, seven days a week. Whether you run a chemical or pharmaceutical quality assurance lab, an environmental or food analysis lab, or you're based in a government or university lab, the 1220 Infinity LC delivers all the performance needed to meet stringent regulatory demands.

More routine power

With its expanded power range of 600 bar at up to 5 mL/min the 1220 Infinity LC allows you to take advantage of the latest advances in column technology – immediately or at some time in the future when your application requires that extra performance. Standard 5 µm or 3.5 µm Rapid Resolution columns may meet your needs today while 1.8 µm Rapid Resolution or Poroshell 120 columns could be selected in the future for up to 4 times higher efficiency.

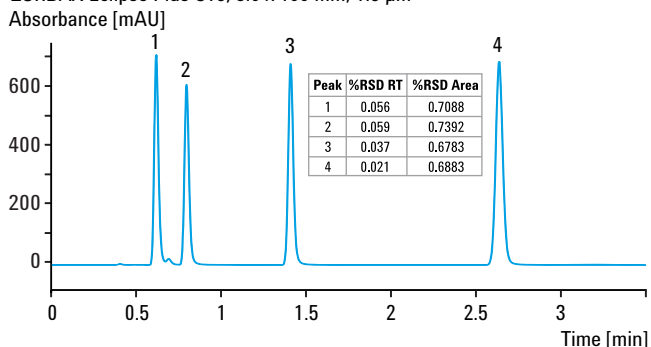
More routine sensitivity

The 1220 Infinity LC has a built-in variable wavelength detector that uses the latest in Agilent UV detector technology, lowering your limits of detection through high sensitivity, low baseline noise and wide linear range. For extended detection possibilities, combine your 1220 Infinity LC with any detector from the 1200 Infinity Series or couple to a 6100 Series Single Quadrupole MS for complementary mass spectral information.

Isocratic Configuration	Gradient Configurations	
Isocratic Pump	Gradient Pump	Gradient Pump
Manual Injector	Manual Injector	Autosampler
---	---	Column Oven
Variable Wavelength Detector	Variable Wavelength Detector	Variable Wavelength Detector

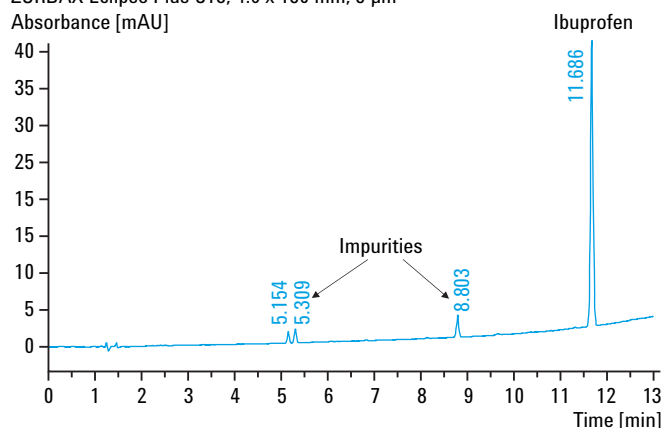
Choose from three standard configurations to fit your LC workflow. The 1220 Infinity LC is fully compatible with all detectors of the 1200 Infinity Series such as diode array (DAD), evaporative light scattering (ELSD), fluorescence (FLD) or refractive index (RID). For even more detection power, connect your 1220 Infinity LC to an Agilent 6100 Series Single Quad MS.

ZORBAX Eclipse Plus C18, 3.0 x 100 mm, 1.8 µm



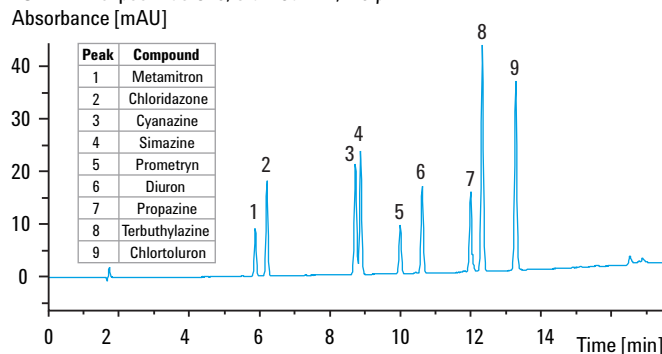
Excellent reproducibility of retention times and areas from six repetitive isocratic analyses of a standard sample – with 3 µL injection volume.

ZORBAX Eclipse Plus C18, 4.6 x 150 mm, 5 µm



Analysis of a pharmaceutical preparation, showing the active ingredient ibuprofen and three earlier-eluting impurities.

ZORBAX Eclipse Plus C18, 3.0 x 50 mm, 1.8 µm




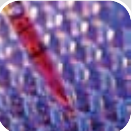






Trace analysis of pesticide residues, showing a limit of detection (LOD) of less than 50 pg. The relative standard deviation is less than 0.08 % for retention times and less than 0.5 % for areas.

To learn more about the Agilent 1220 Infinity LC, visit www.agilent.com/chem/1220

Infinitely more possibilities.

The flexibility of the 1200 Infinity Series allows Agilent to offer the broadest portfolio of LC solutions. Choose from high performance systems for analytical LC or configure your system to meet specific application requirements. From nanoflow to high-throughput LC/MS and from amino-acid to GPC analysis, the 1200 Infinity Series gives you infinite possibilities to solve your separation challenges.

	Environmental Analysis	Food Safety/Quality	Chemical QA/QC	Drug Discovery	Drug Development	Drug Manufacturing & QA/QC	Proteomics	Metabolomics
								
Method Development & Multi-method Applications Automatic access to up to 8 columns and 26 solvents	Method development	Method development	Multi-method applications	Method development	Method development	Multi-method applications		
Bio-inert HPLC Solutions Highest confidence in protein analysis	High pH applications	High pH applications	Multi-method applications	Therapeutic proteins	Characterization of biologics	Identity confirmation	Biomolecule characterization, offline 2D	
High-throughput, high-capacity LC/MS Solutions Low delay volume for high speed separations	Screening	Pesticide screening	Purity assessment	High-sensitivity screening	DMPK, ADME	Impurity testing		
Low-flow LC Solutions Electronic flow control for unprecedented flow stability				Cassette dosing studies	Small animal studies		Biomarker discovery and validation	Biomarker identification and quantitation
LC Purification Solutions Purification of nanogram to gram quantities of samples		Flavor enrichment	Impurities	Libraries and process development	Purification for drug characterization assays	Impurity testing	Analytical and micro-scale fraction collection	
SFC – Super Critical Fluid Chromatography New standards for ease-of-use, performance and reliability		Chiral compounds	Chiral compounds	Chiral drugs	Chiral drugs, enantiomeric excess, impurities	Chiral compounds		
GPC/SEC Analysis High accuracy molecular weight determinations		Food stabilizers	Characterization of polymers		PEG-based formulations	Monoclonal antibodies		

Infinitely better together.

If you're looking for more sensitive target compound analysis and better identification of unknowns, take a close look at Agilent's comprehensive LC/MS portfolio. With a 40-year track record of relentless innovation and groundbreaking contributions to MS technology, we deliver everything you expect from a mass spectrometry leader. All 1200 Infinity Series LC systems deliver performance perfectly in tune with our 6000 Series mass spectrometers, working infinitely better together.



	Environmental Analysis	Food Safety/Quality	Chemical QA/QC	Drug Discovery	Drug Development	Drug Manufacturing & QA/QC	Proteomics	Metabolomics
6100 Series Single Quadrupole Industry-leading data quality in an easy-to-use, space-saving benchtop package.	Pollutant and veterinary drug residue screening	Pollutant and veterinary drug residue screening	Toxicology	High throughput screening, preparative LC/MS	Small-scale purification	Impurity testing		
6200 Series Accurate-Mass TOF Unmatched speed and performance in a compact benchtop instrument.	Pesticide screening	Pesticide screening	Compound confirmation	Library screening, high throughput ADME	Impurity testing	Impurity testing	Characterization of proteins	Metabolic profiling
6400 Series Triple Quadrupole Greater sensitivity, productivity, and value than ever before.	Pesticide screening	Pesticide screening	Narcotics, homeland and workplace security	ADME assays	Regulated bioanalysis, DMPK, BABE		Quantitative proteomics, biomarker validation	Biomarker confirmation
6500 Series UHD Accurate-Mass Q-TOF Unmatched combination of mass accuracy, mass resolution, sensitivity, in-spectrum dynamic range and speed.	Pesticide screening, biodegradation studies	Pesticide screening, biodegradation studies	Natural products testing	Metabolite identification	Identification of unknowns	Impurity testing	Characterization of proteins	Biomarker identification and relative quantification

To learn more about the Agilent 6000 Infinity Series LC/MS, visit www.agilent.com/chem/lcms

Software and informatics solutions

New levels of usability and uptime.

Agilent offers software and informatics solutions to obtain all the benefits of the 1200 Infinity Series' performance levels. Agilent ChemStation and Agilent EZChrom Elite give you the most comprehensive and fully traceable management of any 1200 Infinity Series LC system. These chromatography data systems focus on different analytical workflows but are based on common instrument drivers and navigation, offer one unified result data format and integrate seamlessly with Agilent OpenLAB Enterprise Content Manager (ECM). They are both fully scalable, giving you instrument control, result generation, data management and advanced reporting for all Agilent 1200 Infinity Series LC systems.

Agilent OpenLAB reaches beyond the lab

Agilent OpenLAB enables you to manage, share, and organize your data securely across laboratories and departments. It lets you derive business intelligence with a relational reporting database and offers workflow automation for fast execution of routine workflows.

Agilent ChemStation maximizes the value of your 1200 Infinity Series LC in research and development

Agilent ChemStation is designed for the advanced needs of research and development scientists in chemical and pharmaceutical laboratories. It is easy to customize to specific needs and offers a broad range of add-on modules to support specific applications. ChemStation is the most comprehensive control software for all Agilent chromatography systems.

Agilent EZChrom Elite maximizes the value of your 1200 Infinity Series LC in quality control

Agilent EZChrom Elite is fully scalable from an entry-level configuration with EZChrom Compact to a multi-user, multi-site distributed systems with hundreds of instruments and users. EZChrom offers full flexibility with control for chromatographic equipment from both Agilent as well as other vendors. This combination makes it ideal for routine operation in QA/QC laboratories.

Agilent Lab Advisor

Lab Advisor helps you to keep your lab's instruments in top condition and reduces unnecessary lab downtime. It provides you with advanced diagnostic and maintenance capabilities for your 1200 Infinity Series LC – independent of the software you use to control your instrument. In short, Lab Advisor helps you achieve high quality chromatographic results in the most efficient way.



Agilent ChemStation



Agilent EZChrom Compact



Accurate results quickly and confidently.

Maximize system performance and reliability for all your separation needs by combining your 1200 Infinity Series LC system with Agilent ZORBAX and Poroshell LC columns and LC supplies. Designed with the same attention to detail, quality and superior performance you have come to expect from Agilent instruments and backed by over 40 years of chromatography experience, you can count on Agilent's columns and supplies to deliver the high quality results you need and expect, time after time.

Unparalleled quality and flexible choices within the ZORBAX LC column family

- Wide selection of chemistries – Eclipse Plus, Eclipse XDB, StableBond, Extend, Bonus-RP, HILIC and more
- Superior flexibility and product scalability with a wide range of particle sizes (1.8, 3.5, 5 and 7 μm) and column dimensions
- Individual column performance reports to document column-to-column and lot-to-lot reproducibility
- Superior particle strength for even the most demanding high pressure applications

High definition columns for ultrahigh performance

Agilent's ZORBAX Rapid Resolution High Definition (RRHD) columns take our popular ZORBAX 1.8 μm column line to the next level with a superior packing process, making them ideal for fast or high-resolution separations.

- Stability up to 1200 bar for ultimate speed and resolution
- Easy method transfer and scalability through identical column chemistry with the respective ZORBAX 3.5 μm and 5 μm columns



ZORBAX RRHD columns are available in 2.1 and 3 mm inner diameter with 50, 100 and 150 mm length

Agilent Advantage Service and Support

Agilent provides customer-focused products and services for all stages in an instrument's life cycle, from installation and upgrade to preventive maintenance and repair. Whether you need support for a single instrument or a multi-lab, multi-vendor operation, Agilent offers an Advantage service solution to help you increase your uptime, optimize your lab's resources, and resolve any problems quickly.

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In addition to continually evolving products, we offer something else unique to the industry – our 10-year value guarantee. The Agilent Value Promise guarantees you at least 10 years of instrument use from your date of purchase, or we will credit you with the residual value of that system toward an upgraded model. Not only does Agilent ensure a safe purchase now, we help ensure your investment is as valuable to you in the long run.

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Further information

For full details of the Agilent 1200 Infinity Series LC systems and application-based LC solutions, ask for a brochure or visit our web site at www.agilent.com/chem/1200



Whatever your budget or application, the Agilent 1200 Infinity Series delivers the best LC value in the industry. From our most affordable 1220 Infinity LC to the new industry standard 1260 Infinity LC to the powerful 1290 Infinity LC, we have a solution that's right for you. Plus our most popular 1200 Infinity Series LC configurations are now available with a 3-5 year up-and-running guarantee.*

* Regional differences might occur, please contact your local Agilent representative.



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