



HPLC has never been so
easy.



Agilent 1120 Compact LC

Our measure is your success.





Agilent's 1120 Compact LC delivers the performance you are looking for and reliability you can count on – as well as today's lowest cost of ownership!

A simply perfect choice for labs like yours.

The Agilent 1120 Compact LC was developed specifically to address the needs of small- to medium-sized labs that are mainly concerned with routine analyses using standard HPLC methods. In keeping with its mission, the system delivers all the performance needed to meet stringent regulatory demands – while setting new standards for compactness, ease of operation and serviceability.



Simply more in tune with your lab's needs.

Take a close look at the Agilent 1120 Compact LC and you'll find everything you need for first-class results and rewarding day-after-day productivity. And, because you're too busy to worry about complicated features your lab is unlikely to use, you'll be pleased to find there's nothing there you *don't* need.

Five standard configurations to fit your LC workflow

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

Agilent's LC detectors are fully compatible with the 1120 Compact LC. Additional external detection choices include:

• Refractive Index (RID)

• Fluorescence (FLD)

• Evaporative Light Scattering (ELSD)

Solvent delivery

The optimized design of the pumping module used in the Agilent 1120 LC ensures stable, virtually pulse-free solvent flow up to 10 mL/min. Servo-controlled, dual floating pistons enable variable stroke volume optimized for the selected flow rate, and keeps maintenance to a minimum. Choose from different configurations, including either an isocratic pump or a gradient pump with up to two solvents and integrated two-channel degasser.

Pump options

- Automated solvent selection valve for gradient pump – combines two-out-of-four solvents for gradient formation or for column flushing with different solvents.
- Continuous seal wash kit to prevent corrosion for applications running buffer solutions with high salt concentrations greater than 0.1 M.

Degasser

The gradient pump includes an integrated dual-channel degasser with continuous vacuum using Teflon AF technology, which provides low internal volumes of 1.5 mL per channel. The degasser eliminates baseline fluctuations and shortens equilibration times.



Gradient pump and integrated degasser

Manual injector

An easy to use, easy to maintain solution for low throughput sampling, the manual injector includes a long-life Rheodyne 2-position, 6-port sample injection valve and standard 20 μL loop. Front access to the valve facilitates easy sample injection and straightforward exchange of sample loops.

Autosampler

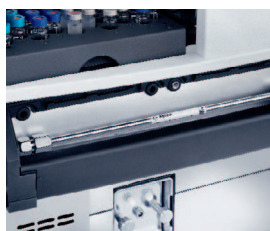
The integrated autosampler is designed for reliability, safety, and easy maintenance, and facilitates reliable injections from 0.1 to 100 μL . The unit delivers high precision as well as excellent linearity over a wide volume range. The autosampler's flow-through design ensures that there is no loss of sample; the entire sample drawn from the vial is injected. The standard configuration offers a sample capacity of 100 2-mL vials; alternatively, two half-trays each with 40 2-mL vials or 15 6-mL vials can be used.



Manual injector



Autosampler



Column oven



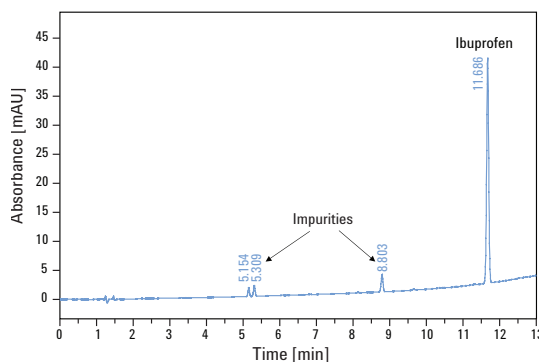
Variable wavelength detector

Column oven

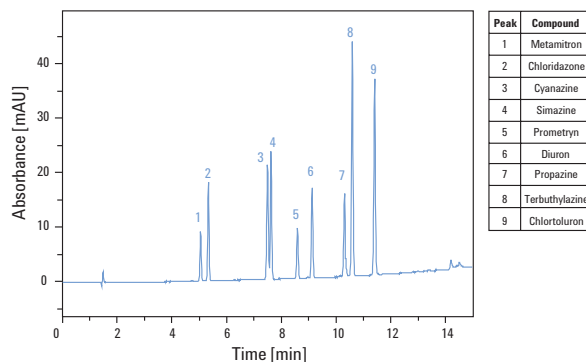
The 1120 Compact LC's available column oven houses a single column, and provides accurate, stable column temperature from 10 degrees above ambient to 60°C, for applications where retention time reproducibility and separation quality improve above ambient temperatures.

Variable wavelength detector

Featuring simplified optics for high sensitivity, low baseline drift and wide linear range, Agilent's variable wavelength detector not only lowers your detection limits; it lowers your cost of ownership with easy front access for fast lamp and flow cell replacement.



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

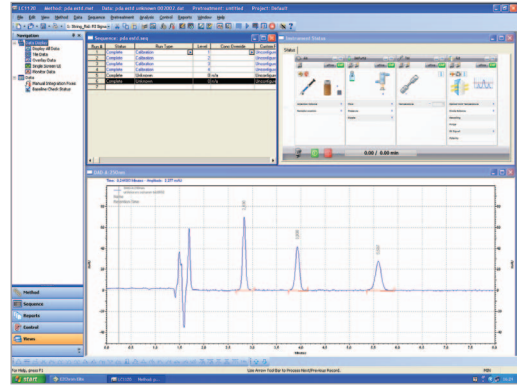


Trace analysis of pesticide residues, showing a limit of detection (LOD) of less than 100 pg. The relative standard deviation is less than 0.08 % for retention times and less than 0.5 % for areas.

Simply easier to learn, to use – and to live with.

A complete, integrated software solution

With the bundled EZChrom Elite Compact software, it's easy to put all of the capabilities of the 1120 Compact LC to work in your lab. A fast, powerful chromatography data system, EZChrom Elite Compact provides full control of two 1120 Compact LCs from a single PC. EZChrom Elite Compact includes comprehensive data processing, flexible reporting and the full range of capabilities you would expect from a modern chromatography work station.



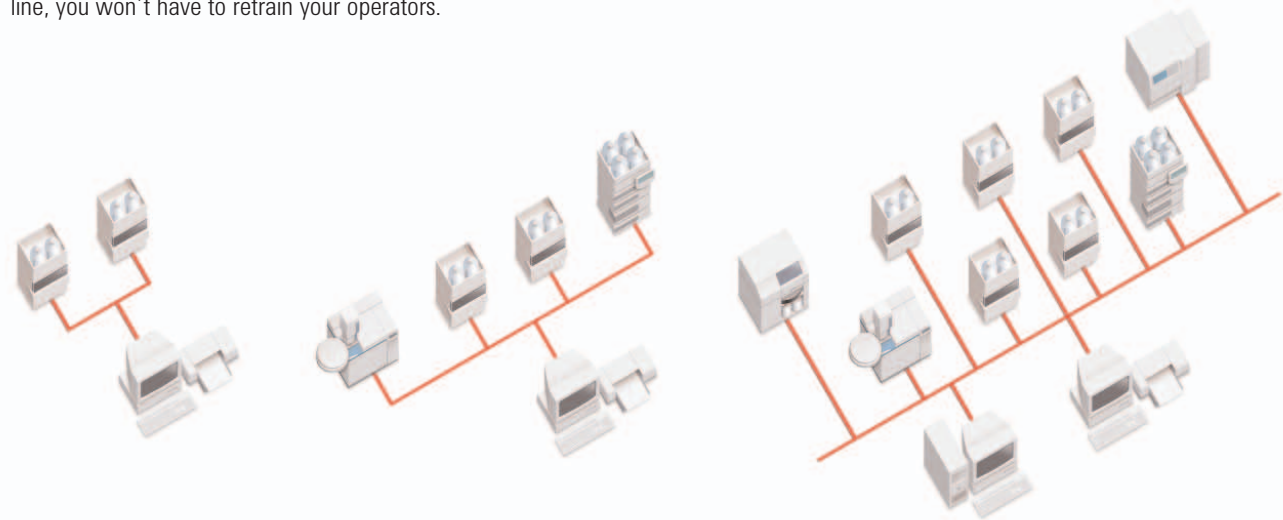
Quick access to common tasks. View instrument status, current data and run queue on a single screen—and perform a run with just a couple of mouse clicks.

Regulatory compliance – made easy.

EZChrom Elite Compact provides comprehensive tools to help you address all the requirements of GLP/GMP and 21 CFR Part 11 compliance. With built-in audit trails, multi-user login security, user permissions, and electronic signatures, the software made easy for your laboratory to operate in any regulated environment.

Scalable from a single user to a whole enterprise.

As a scalable part of the Agilent informatics portfolio, your EZChrom Elite Compact software can grow as your lab grows. Upgrade to EZChrom Elite Workstation and add control for over 330 chromatographic components from more than 25 vendors. Expand further to full client-server deployment, or all the way to Agilent's enterprise-wide OpenLAB solution. No matter how your lab's needs evolve, your data, methods, sequences and reports will still be readable. And, because the user interface is the same across the full product line, you won't have to retrain your operators.



From EZChrom Elite Compact to Workstation to Client/Server, EZChrom Elite software can be easily scaled up to meet the changing needs of a growing lab.



Agilent columns and supplies—an extra measure of reliability and confidence.

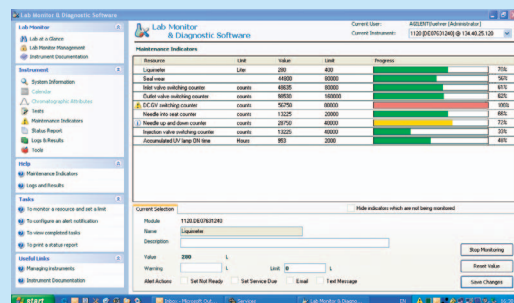
Whatever your lab is analyzing, every method requires day-to-day reproducibility and superior reliability. To deliver optimal performance with all your samples and mobile phase, the Agilent ZORBAX Eclipse Plus columns give you the performance and consistency you're looking for. These columns deliver excellent peak shape under a wide range of operating conditions for the highest quality, reproducible results.

Try the Eclipse Plus C18 column included with your 1120 Compact LC. You'll appreciate its superior qualitative and quantitative performance. And if you need other columns the complete ZORBAX product line will have a choice for your application. ZORBAX columns and Agilent supplies for your new compact LC – the products you need to achieve peak productivity – day after day, and year after year.

Maximize your uptime with Agilent's customer-enabled service and support features.

The 1120 Compact LC's integrated hardware and software design features provide a completely new level of operational simplicity. There's a guided system set-up so that you can get your new 1120 Compact LC up and running without having to schedule a visit by an Agilent service representative.

Of course, Agilent's world class customer service engineers and certified support partners are available to provide a full range of Agilent services, including installation, familiarization, training, maintenance, contractual repair, and regulatory compliance support.



Lab Monitor & Diagnostic Software alerts you to problems before they happen.

Now you can detect instrument problems before they occur and schedule a convenient time to solve the problem without it impacting your analysis. This is facilitated by an easy-to-use package included in your system, Lab Monitor and Diagnostics software, that continuously monitors your instrument.

From a “lab-at-a-glance” screen that displays a snapshot of all connected 1120 Compact LC instruments, to guided diagnostics tests and easy to perform maintenance routines, to a built-in suite of user information and help, Lab Monitor and Diagnostics software provides all the information a user needs in one convenient place at one time thus enabling you to maximize your instrument's efficiency and productivity.

The Agilent Value Promise—10 years of guaranteed value

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.

The Agilent Service Guarantee

Should your Agilent instrument require service while covered by an Agilent service agreement, we guarantee repair or we will replace your instrument for free.

No other manufacturer or service provider offers this level of commitment to keeping your laboratory running at maximum productivity.



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