Agilent InfinityLab

Keep Pace with Your Processes

Agilent 1260 Infinity II Prime Online LC System

Designed as a process analytical technology (PAT) tool for automated process monitoring, the 1260 Infinity II Prime Online LC System provides real-time data for greater control and faster understanding of your processes.

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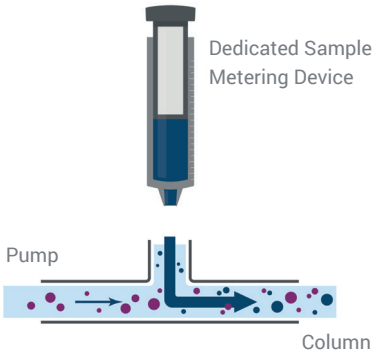
Trusted Answers

Monitor, Understand, and Control Your Processes with Confidence

With the 1260 Infinity II Prime Online LC System, you can be assured of accurate, robust, and accelerated process monitoring. The key technology within the system is the new Agilent 1260 Infinity II Online Sample Manager, which was designed for easy interfacing of the analytical with the process world in PAT applications.

Agilent Feed Injection

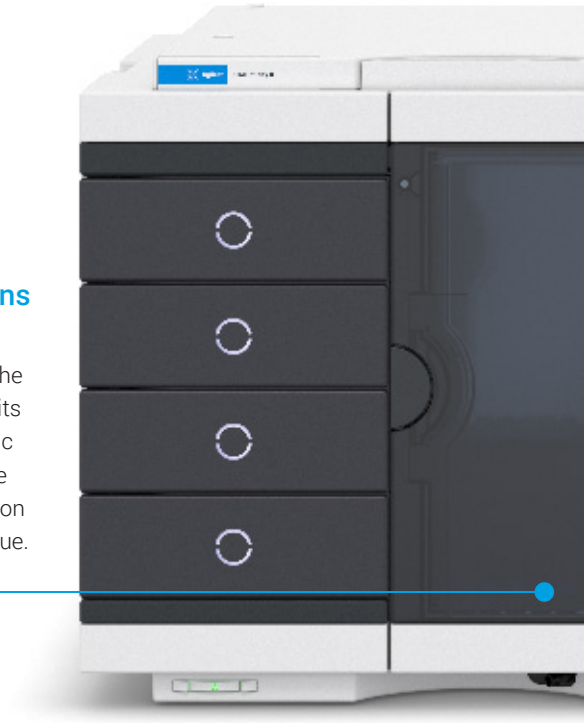
The newly introduced Agilent Feed Injection minimizes the negative effects of strong sample solvents, and supports rapid gradients due to low delay volume. It also provides great injection precision for sub-1 µL injections.



Sample is added directly into the mobile phase flow path by forming a three-way junction between the pump, injector, and column.

Flexible injection options

The Online Sample Manager gives you freedom to choose the injection principle that best suits your analysis. Alongside classic flow-through injection, we have introduced Agilent Feed Injection as a novel LC injection technique.



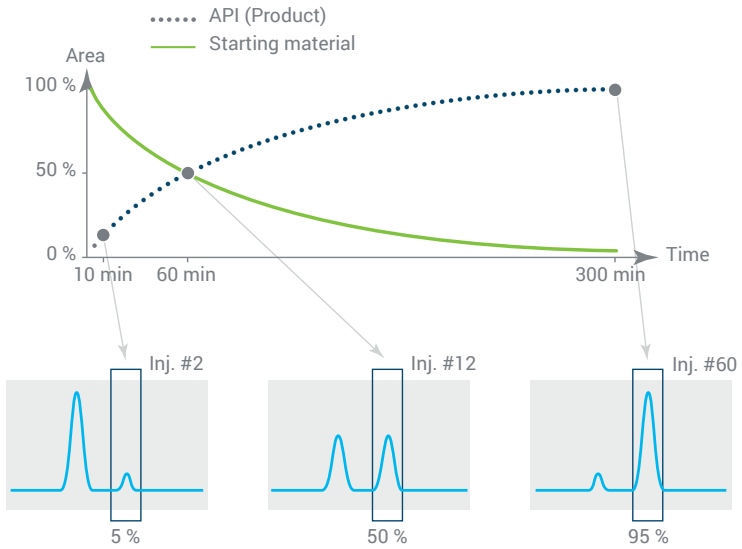
Agilent 1260 Infinity II Online Sample Manager

Advancing process quality

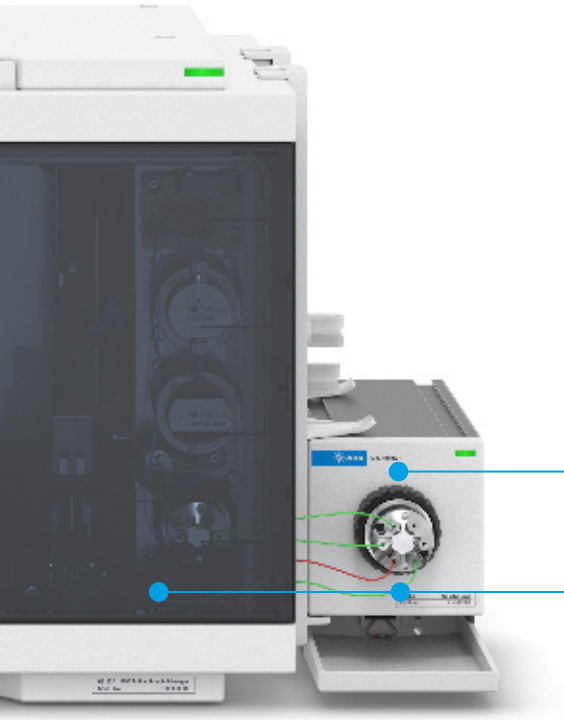
As a PAT resource, the 1260 Infinity II Prime Online LC System supports design, analysis, and control of processes through real-time measurement of critical process parameters (CPPs) and critical quality attributes (CQAs). Assessing CPPs and CQAs closely, in turn, contributes towards quality by design (QbD).

Automate your process analysis

Agilent Online LC Monitoring Software coordinates sampling and sample analysis, and provides all the tools required for process monitoring. These include trending plots and intuitive sample-scheduling functionality to quickly set up sampling events.



Follow the progress of a reaction in real-time for improved understanding and optimization of your process.



External sampling interface

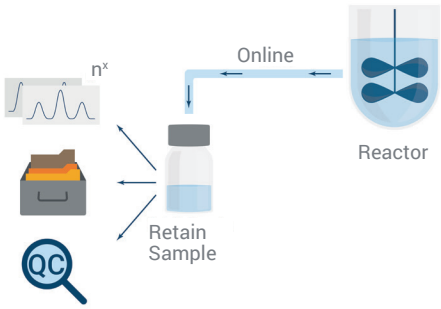
The location of the sampling interface makes connecting to reactors or external sampling devices straightforward. The novel sample groove allows for flexible sampling volumes from 0.1 to 100 µL.

Unique valve technology

The dual-valve system enables not only direct injection for real-time monitoring, but also vial sampling for automated dilution, online sample preparation, and retain sample collection for additional offline analysis.

Sure analysis—made surer

The Retain Sample function is exclusive to the Online Sample Manager, enabling multimethod analysis, sample archiving, and additional quality control to give you even greater confidence in your process monitoring results.



The Retain Sample feature allows for full control over the process sample in an online LC workflow.

Reliable, efficient, always innovating for your best result

Agilent InfinityLab

You can rely on Agilent InfinityLab LC instruments, columns, and supplies to deliver rugged quality and robust analytical results. But our promise to you does not stop there. Every component of the Agilent InfinityLab family is designed to work together to help you improve your workflow, increasing efficiency and reducing operational costs.

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