# Agilent 1290 Infinity LC Introducing an infinitely better LC system

## Infinitely more powerful

Agilent's new 1290 Infinity Binary Pump gives you maximum chromatographic performance, compatibility and flexibility. Active damping and lowest delay volumes – facilitated by proprietary multi-layer technology in the new Jet Weaver mixer – provide ultra fast gradients and superior UHPLC, HPLC and LC/MS performance



Innovative Jet Weaver mixer – based on multilayer microfluidics technology combines highest mixing efficiency with lowest delay volumes to virtually eliminate detector





Automated Purge Valve

#### Infinitely more sensitive

Featuring an innovative optical design – including Agilent Max-Light cartridge flow cell with optofluidic waveguides – the new 1290 Infinity Diode Array Detector delivers a new level of UV sensitivity and baseline robustness. For LC/MS, Agilent Jet Stream Thermal Focusing technology significantly increases MS and MS/MS sensitivity by improving the spatial focusing of electrospray droplets.



## Infinitely more flexible

New Agilent Quick-Change valves in the 1290 Infinity Thermostatted Column Compartment enable resource-saving ultra high-throughput, multi-method and automated method development solutions. The new 1290 Infinity Flexible Cube allows fixed-loop injection mode for ultra fast cycle times, or automatic backflushing of needle seat for a new benchmark in lowest carry over. New ZORBAX columns deliver rugged and reliable performance over the operating range of the 1290 Infinity LC – for even more flexibility.



Agilent Quick-Change valves give you easy access to capillary fittings, and the valves' RFID tags provide information such as valve type. pressure range, and number of valve switches.

**Color coding** of capillaries and columns in sync with the software helps you to stay in control of your valve switching scheme.



**ZORBAX Rapid Resolution High Definition** (RRHD) 1.8 µm columns deliver optimal resolution and peak definition for both simple and complex separations. New hardware design and packing processes result in exceptional usability with the 1290 Infinity LC – using the complete power range up to 1200 bar. The RRHD columns are available in popular ZORBAX bonded phases providing flexibility and scalability between Agilent instruments.

## www.agilent.com/chem/infinity



