

# LC-QToF System with Agilent Infinity II HPLC

The Agilent LC-QTOF 6530 is a high-resolution mass spectrometry system coupled with a high-performance liquid chromatography (HPLC) platform. This system is designed for the accurate identification of complex mixtures in various applications, including pharmaceuticals, environmental testing, and biomolecular analysis. It offers high sensitivity, fast data acquisition, and precise mass measurements, making it suitable for both qualitative and semi-quantitative analyses.



6530 LC/Q-TOF



## Key Features

### HPLC System Model: Agilent 1290 Infinity II

- Flow Rate: 0.01–5.0 mL/min
- Maximum Pressure: up to 1200 bar
- Column Compartment Temperature Range: 4–110 °C
- Autosampler Temperature Range: 4–40 °C
- Solvent Compatibility: compatible with common organic solvents and aqueous

### Mass Spectrometer Model: Agilent 6530 QTOF

- Ionization: Electrospray Ionization (ESI)
- Mass Range: 10–5000 m/z
- Mass Resolution: ~ 40,000 FWHM at m/z 922
- Mass Accuracy: <5 ppm with internal calibration
- Data Acquisition Modes: Full scan and MS/MS
- Scan Speed: up to 2 spectra/s Full scan, up to 5 spectra/s MS/MS

### Typical Data Generated:

- High-resolution spectra suitable for identification of compounds in complex mixtures



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