



Agilent 6460 Triple Quadrupole LC/MS with Agilent Jet Stream Technology

Data Sheet



The Agilent 6460 Triple Quadrupole LC/MS achieves sensitivity and resolution specifications after autotune without manual user intervention.

Parameter	Measure	Specification
Electrospray ESI MS/MS sensitivity	1 pg of reserpine injected on column, with Agilent Jet Stream technology, quantifying on the transition m/z 609 to 195.	Signal-to-noise ratio >1000:1
Mass range		m/z 5–3,000
Polarity switching		Switch from positive ion mode to negative ion mode in 100 ms
Mass resolution		Three settings (FWHM) Unit: 0.7 u; Wide: 1.2 u; Widest: 2.5 u
Mass accuracy		0.1 Da from 5–1,000 m/z 0.01% from 1,000–2,000 m/z 0.02% from 2,000–3,000 m/z
Mass stability		<0.1 u in 24 h
Dynamic range		$>6.0 \times 10^6$
Scan rate		5,200 u/s
Scan modes		MS scan, MS/MS product ion scan, MRM, MS/MS neutral loss/gain scan and precursor ion scan, SIM
Minimum MRM dwell time		1 ms
MRM transitions		500 per time segment, >10,000 MRMs possible in a method
Collision cell		High-pressure, hexapole with linear acceleration
Cross-talk		None detectable



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General System Specifications

Parameter	Measure
Single point of control	Single-point data system method capability with full control of Agilent 1100 and 1200 Series HPLC systems and 6460A Triple Quadrupole LC/MS System
Time programming	<ul style="list-style-type: none"> • Polarity change in time segment • Scan and SIM or MRM (plus other modes of data collection) • Solvent divert through calibrant delivery system valve
Wide range of ionization sources	<ul style="list-style-type: none"> • Electrospray (ESI) • Nanospray with HPLC-Chip Cube MS interface • Multimode source (simultaneous ESI and APCI)
Autotune	Automated optimization of ion optics and mass axis calibration using Agilent Jet Stream Technology
Solvent declustering	Countercurrent gas
Detector	High-energy conversion dynode and high-gain electron multiplier horn
Vacuum system	Two turbomolecular pumps with one mechanical pump

Ordering Information

Description	Product Number
LCMS Triple Quad HS Bundle Includes G6460 Triple Quadrupole LC/MS System, workstation data system (PC) and printer, MassHunter Workstation software with 2 data analysis software licenses. Includes 24 hours installation and familiarization training, and image recovery service.	G6460AA

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