InfinityLab LC/MSD Series
Agilent LC/MSD XT

For OpenLAB CDS and OpenLAB CDS ChemStation Edition

Data Sheet

The Agilent LC/MSD XT (liquid chromatograph/mass selective detector) achieves sensitivity and resolution specifications with autotune.

Parameter	Measure	Specification
Mass range		2–3,000 m/z
SIM sensitivity, ESI positive	1 pg of reserpine injected on column, quantifying the m/z 609 ion	Signal-to-noise ratio, RMS >300:1
SIM sensitivity, APCI positive	1 pg of reserpine injected on column, quantifying the m/z 609 ion	Signal-to-noise ratio, RMS >100:1
Maximum scan speed	Da/sec	10,400 u/sec (Da/sec)
Polarity switching	Switching time from positive to negative polarity	30 msec
Mass resolution (Autotune)	Full width at half maximum	Unit resolution (≤0.7 u (Da)
Mass stability (drift)	Over 12 hours	≤0.1 u (Da) or 100 ppm, whichever is larger
Mass accuracy		±0.005 u (Da)[1]
Spectral accuracy		99.0 % spectral accuracy[1]
Minimum SIM dwell time		5 msec
Maximum SIM transitions		100 SIM ions per time segment
Dynamic range		>6 × 10^6 (electronic)

[1] Only applicable with optional Cerno MassWorks Accurate Mass Software for LC/MSD using OpenLab CDS ChemStation Edition. Not verified during installation.
u: Unified atomic mass unit

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General system specifications

Parameter	Specification
Single point of control	Single-point data system method capability with full control of Agilent LCs including the 1100 Series, 1200 Series, Infinity Series and InfinityLab Series with the Agilent InfinityLab LC/MSD Series single quadrupole based systems.
Supported data systems	OpenLAB CDS, OpenLAB CDS ChemStation Edition, and MassHunter Data Analysis[1]
Time programming	• SIM ion selection • Scan functions • Fragmentor voltage • External CAN valves • MS diverter valve[2] • Drying gas flow • Nebulizer pressure • Drying gas temperature • Capillary voltage (Positive) • Capillary voltage (Negative)
Wide range of ionization sources	• Electrospray (ESI) • Multimode source (simultaneous ESI and APCI) • Atmospheric pressure chemical ionization (APCI) • Atmospheric pressure photoionization (APPI) • Agilent Jet Stream (AJS)
Detector	High energy conversion dynode and electron multiplier horn
Vacuum system	One turbo-molecular pump with one mechanical pump

[1] With data translation
[2] OpenLAB CDS only

Ordering information

G6135BA: Agilent LC/MSD XT System with OpenLAB CDS ChemStation Edition

Includes Agilent LC/MSD XT, based on single quadrupole technology, Electrospray ion source, and Agilent OpenLab ChemStation Edition data system with PC and display. System installation and familiarization included.

G6135CA: Agilent LC/MSD XT System for OpenLAB CDS

Includes Agilent LC/MSD XT, based on single quadrupole technology, Electrospray ion source, and Agilent OpenLab CDS data system with PC and display. System installation and familiarization included.

G2735L: Agilent Jet Stream Upgrade for the Agilent LC/MSD XT

G6887AA: Cerno MassWorks Accurate Mass Software for LC/MSD

The above are bid specifications and are not performed at installation. See Site Preparation Guide, Installation Manual and Service Notes for additional product and specification information.

www.agilent.com/chem/lcmsd

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