



InfinityLab LC/MSD Series Agilent LC/MSD

For OpenLAB CDS and OpenLAB CDS ChemStation Edition

Data Sheet



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

Parameter	Measure	Specification
Mass range		10–2,000 m/z
SIM sensitivity, ESI positive	1 pg of reserpine injected on column, quantifying the m/z 609 ion	Signal-to-noise ratio, RMS >100:1
SIM sensitivity, APCI positive	1 pg of reserpine injected on column, quantifying the m/z 609 ion	Signal-to-noise ratio, RMS >30:1
Maximum scan speed	u/sec (Da/sec)	10,400 u/sec (Da/sec)
Polarity switching	Switching time from positive to negative polarity	300 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		$> 6 \times 10^6$ (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	<ul style="list-style-type: none">• SIM ion selection• Scan functions• Fragmentor voltage• External CAN valves• MS diverter valve²• Drying gas flow• Nebulizer pressure• Drying gas temperature• Capillary voltage (Positive)• Capillary voltage (Negative)
Wide range of ionization sources	<ul style="list-style-type: none">• Electrospray (ESI)• Multimode source (simultaneous ESI and APCI)• Atmospheric pressure chemical ionization (APCI)• Atmospheric pressure photoionization (APPI)
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

G6125BA: Agilent LC/MSD System with OpenLAB CDS ChemStation Edition

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

G6125CA: Agilent LC/MSD System for OpenLAB CDS

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

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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