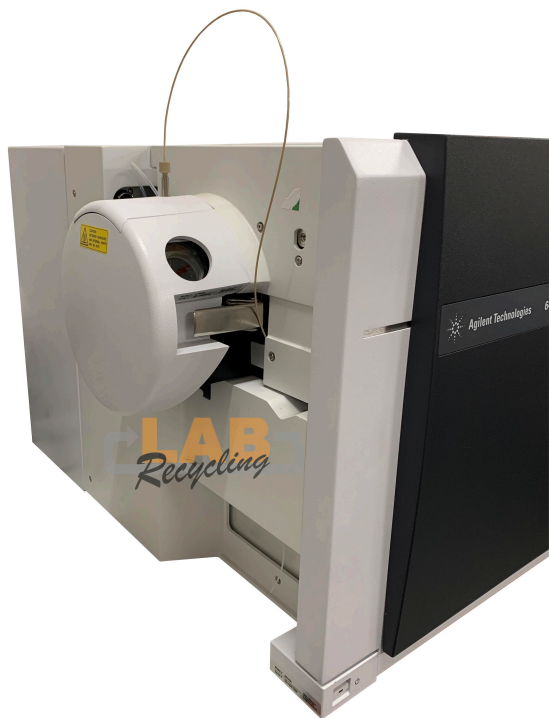


## Agilent 6420 Triple Quad LCMS G6420A

The **Agilent 6420 Triple Quadrupole LC/MS** delivers excellent sensitivity for routine analysis with performance specifications in Signal-to-Noise ratio (S/N) and Instrument Detection Limit (IDL). IDL is a rigorous, statistically based metric that indicates practical sensitivity performance of your quantitative assays. The 6420 Triple Quadrupole LC/MS achieves sensitivity and resolution specifications with autotune.



### The G6420A

- includes one turbo pump and one rough pump
- Includes resistive capillary
- Can upgrade to a 6430

A single three-stage turbo pump is used for the entire vacuum system. This is achieved by partitioning the turbo pump to create the multiple vacuum stages. A second turbo pump is not needed for the 6410 or for the 6420.

## Features Agilent 6420 Triple Quad LCMS G6420A

Collision cell ion clearance	< 1 ms
Type	Specification
Mass range	m/z 5 – 2,250
Mass resolution (autotune)	0.7 Da (Full width at half maximum)
Mass resolution (manual tune)	0.5 Da (Full width at half maximum)
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 – 2,250 m/z
Mass stability	< 0.1 Da in 24 h
Dynamic range	> 6.0 × 10 <sup>6</sup>
Scan modes	MS scan, MS/MS product ion scan, MRM, MS/MS neutral loss/gain scan and precursor ion scan, SIM
Maximum scan rate	12,500 Da/s
Minimum MRM dwell time	1 ms
MRM transitions	450 per time segment, > 40,000 ion transitions per method
Dynamic MRM transitions	4,000 ion transitions per method
Triggered MRM transitions	Up to 10 MRM transitions (primary and secondary) for library search and compound confirmation
Collision cell ion clearance	< 1 ms