

7200 Q-TOF for GC/MS

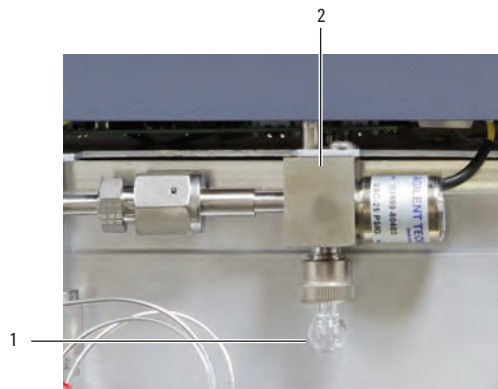
Detection and selectivity of targets and unknowns with complete confidence

Complex matrix analyses demand your best qualitative GC data. That's why we designed the Agilent 7200 Q-TOF for GC/MS, the world's first Q-TOF purpose built specifically for gas chromatography. The 7200 Q-TOF redraws the boundaries of GC/MS technology by combining the separation power of Agilent's 7890 Series GC with application-tested MS components from our 7000 Triple Quadrupole GC/MS and 6500 LC/Q-TOF systems. You get robust GC/MS operation, outstanding selectivity, full-spectrum acquisition with high sensitivity, fast data rates, and accurate mass information to simplify molecular characterization and structural confirmation.

- Highly accurate mass assignments: low-ppm mass accuracy – combined with 15x to 50x greater resolution than a single quadrupole MS – gives you the power to analyze target, non-target, and unknown compounds with much greater reliability. In addition, the 7200 GC/Q-TOF uses dual gain amplifiers with dual analog-to-digital (ADC) detection to record multiple events over a wide mass range and concentration range.
- High sampling rate (32 Gbit/s): the 4 GHz ADC electronics improve resolution, mass accuracy, and sensitivity for low-abundance samples.
- 24/7 mass accuracy: our proprietary invar flight tube, sealed in a vacuum-insulated shell, stabilizes mass calibration against thermal change.
- Fast, high-quality MS/MS spectra: ions are accelerated in Agilent's unique hexapole collision cell.
- Fast routine maintenance: the removable ion source permits rapid changing of the entire ion source, lens, and filaments, without venting the high vacuum mass analyzer.
- Low detection limits and excellent linearity: a full spectrum with sensitivity better than quadrupole MS lets you capture accurate mass spectra at low pg on-column for most compounds. The dual-gain mode expands this range to 105.
- Unparalleled MS/MS selectivity: the detection selectivity of high-resolution MS/MS dramatically surpasses other MS/MS analyzers. Moreover, accurate mass product-ion spectra help confirm targets and non-targets, as well as elucidate unknown compounds.
- Agilent MassHunter software provides valuable tools for identification, quantitation, and confirmation: you can find compounds in complex samples by applying deconvolution optimized for EI or CI data, simplify compound identification by combining library search results and calculated formulas for molecular and fragment ions, and perform multivariate statistical analysis on several data files using Mass Profiler Professional – a mass spectrometry-centric program.

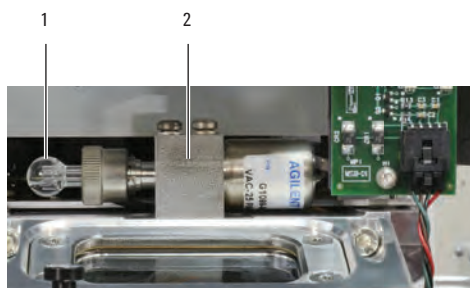


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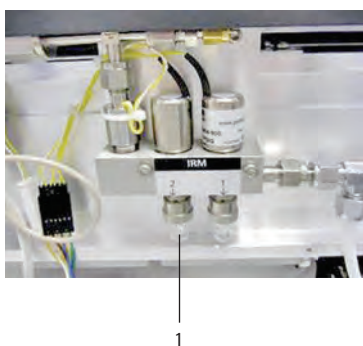
7200A Q-TOF CI Calibration Valves

Item	Description	Unit	Part No.
1	Replacement glass vial for PFTBA and PFDTD test sample		05980-20018
	PFDTD calibrant, for GC/MS, perfluoro-5,8-dimethyl-3, 6,9-trioxidodecane	1 mL	8500-8510
	5975 Calibrant bulb		G3170-80002
2	CI Cal valve assembly		G1999-60452
	Certified non-stick fluorocarbon O-ring	10/pk	5188-5365
3	PFDTD calibrant, for GC/MS, perfluoro-5,8-dimethyl-3, 6,9-trioxidodecane	1 mL	8500-8510



7200A Q-TOF EI Calibration Vials

Item	Description	Unit	Part No.
1	5975 Calibrant bulb		G3170-80002
2	Certified non-stick fluorocarbon O-ring	10/pk	5188-5365
3	PFTBA MS Sample Kit	0.5 mL	05971-60571



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7200A Q-TOF IRM Vials

Item	Description	Unit	Part No.
1	Replacement glass vial for PFTBA and PFDTD test sample		05980-20018
	5975 Calibrant bulb		G3170-80002
	IRM calibrant for GC/TOF	1 x 0.5 mL	5190-0531
2	PFTBA sample, certified	10 g	8500-0656

TIPS & TOOLS

To learn more about the capabilities of the Agilent 7200 Q-TOF for GC/MS, visit www.agilent.com/chem/GCMS_QTOF

