7000 Triple Quadrupole GC/MS

Precision, reliability and the lowest detection limits

The 7000C Triple Quadrupole GC/MS was designed to deliver the most accurate quantitative results and confident identification even in the most complex matrixes. Coupled with the 7890B GC, the 7000C MS works in perfect harmony to enhance productivity, save resources and alert you when maintenance is pending. Agilent MassHunter software has enhanced MRM optimization tools, giving you complete control from tune to report generation while streamlining your workflow.

- Second-generation extractor ion source: the high sensitivity EI extractor ion source with improved thermal characteristics delivers confident trace analysis even in complex matrixes. We demonstrate the instruments' detection limit of ≤4 fg octafluoronaphthalene at installation.
- Hyperbolic quadrupoles enhance performance up to 1050 u. The unique stability of the proprietary Gold Quadrupole allows the analyzer to be heated to 200 °C, to eliminate contamination commonly seen with metal quadrupoles operated at lower temperatures.
- The triple-axis HED-EM detector reduces neutral noise by the doubly off-axis position of the HED-EM.
- The MRM optimization tool allows for automated, efficient method development, yet is easily customizable.
- Capillary Flow Technology (CFT) adds functionality to the GC with backflush, Dean switching, or splitters for multiple detectors. CFT also enables reliable, leak-free in-oven connections.
- The programmable helium conservation module reduces helium consumption for GC and GC/MS systems by changing an alternate carrier during system stand-by. You program carrier gas changeover and flows during sleep and wake states. Programmable helium conservation eliminates the revalidation of methods required when converting to other carrier gases.
- The Pesticides and Environmental Pollutants Database provides comprehensive information to help you with simple yet flexible MS/MS method development.
- Retention Time Locking software reproduces retention times from one Agilent GC to another to help transfer methods anywhere, worldwide.
- Early maintenance feedback (EMF) monitors GC and MS resources, with injection counter, operation times, and electronic logs to help you plan maintenance more efficiently.

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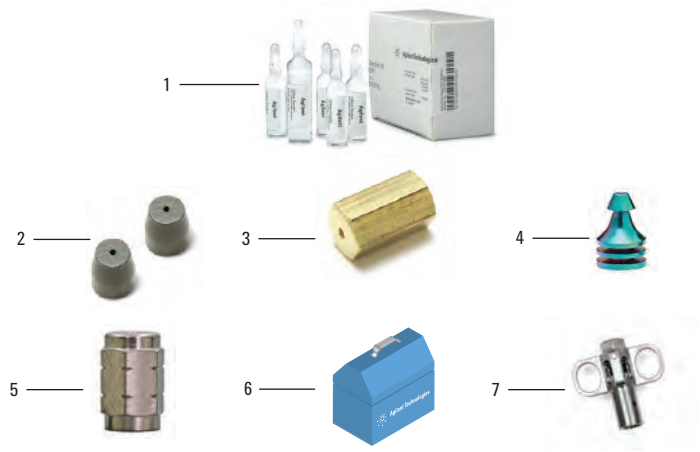

7000 Triple Quad GC/MS Interface Parts and Standards

Item	Description	Unit	Part No.
1	OFN, 100 fg/µL	3 x 1 mL ampoules	5188-5347
	OFN, 10 fg/µL	3 x 1 mL ampoules	5190-0585
	OFN, 1 pg/µL	3 x 1 mL ampoules	5188-5348
	Benzophenone, 100 pg/µL	5 ampoules	8500-5440
	PFHT-high mass checkout sample, 10 µg/mL PFHT (Tris(perfluoro- heptyl)-s-triazine) in Hexane	3 x 1 mL ampoules	5188-5357
2	Capillary column long ferrule	10/pk	5181-3308
	250 µm Polyimide/graphite ferrule	10/pk	5181-3323
	0.5 mm Polyimide/graphite ferrule	10/pk	5062-3506
	0.3 mm, 100 µm Polyimide ferrule	10/pk	5062-3507
3	MS interface column nut, female		05988-20066
4	UltiMetal Plus Flexible Metal ferrule with 0.4 mm id	10/pk	G3188-27501
	UltiMetal Plus Flexible Metal ferrule with 0.5 mm id	10/pk	G3188-27502
	UltiMetal Plus Flexible Metal ferrule with 0.8 mm id	10/pk	G3188-27503
	UltiMetal Plus Flexible Metal ferrule with no hole	10/pk	G3188-27504
5	Swaging nut, for MS interface with Flexible Metal ferrules		G2855-20555
6	MS interface column installation tool		G1099-20030
	Ferrule pre-swaging tool		G2855-60200
	Open end wrench, 1/4 and 5/16 in		8710-0510
	Nylon gloves, lint-free, large	1 pair	8650-0030
7	Self Tightening column nut, for MS interface		5190-5233

TIPS & TOOLS

View MS interface connection options including the recommended Self Tightening column nut.

Turn to page 38.