

Agilent 4100/4200 Series MP-AES Supplies

Agilent supplies for Agilent instruments

Agilent is committed to optimizing your laboratory's productivity. This reference guide shows the most commonly ordered supplies and parts for the revolutionary Agilent 4100/4200 series MP-AES systems. Keep this list handy so you can quickly find the supplies you need and minimize instrument downtime.



Torches and Supplies	Part Number
Easy-fit torch, for Agilent 4200 /4210 MP-AES. Features a blue base for easy identification.	G8003-70000
Easy-fit inert torch for 4200/4210 MP-AES, for use with HF digests. Features an inert alumina injector and supplied with a PTFE ball joint coupler and inert torch clamp. Recommended for use with the inert double pass spray chamber	G8003-60018
Easy-fit torch, for Agilent 4100 MP-AES	G8000-70002
Torch clamp, for clamping the spray chamber to the ball joint on the torch	G8000-64140
Torch cleaning stand for MP-AES torches provides a stable platform that allows the whole torch to be suspended in the cleaning solution	G8003-68003

Nebulizers and Supplies	Part Number
OneNeb series 2 inert concentric type nebulizer. For use with HF and high TDS solutions.	G8010-60293
Concentric nebulizer, for use with aqueous samples and normal digests	G8000-70004
Nebulizer gas connector, connects to gas outlet on instrument	G8000-64142

Pump and Connecting Tubing	Part Number
Pump tubing, flared ends, for organic samples and high TDS aqueous samples, PVC Solvaflex, orange/green, 12/pk	3710068100
Pump tubing, for spray chamber waste, aqueous samples, PVC, blue/blue, 12/pk	3710034600
Pump tubing, for organic waste, PVC Solvaflex, blue/blue, 12/pk	3710067900
Peristaltic pump tubing kit, organic, for low volatile organic solvents with MP-AES Includes: PVC Solvaflex pump tubes – 1/pk orange/green for sample inlet and 1/pk blue/blue tabs for waste line	G8003-67003
Y-piece connector, for online addition of internal standard/ ionization buffer	1610132400

Spray Chambers and Supplies	Part Number
Spray chamber, single-pass, glass, cyclonic	G8000-70006
Spray chamber, double-pass, glass, cyclonic	G8000-70007
Inert spray chamber, double-pass, cyclonic, for HF solutions and high TDS samples	G8010-80034
Inert spray chamber, single-pass, cyclonic, for HF solutions	G8000-70008
Drain tubing kit, for spray chamber	G8000-64143

Miscellaneous Supplies	Part Number
Pre-optics window	G8000-64112
Inlet cooling air filter	G8000-68002
Onboard argon bottle, for plasma ignition	G8000-70001
Inlet air filter kit, for Agilent 4107 Nitrogen Generator	G8001-64004

Application Kits	Part Number
High sensitivity sample introduction kit Includes: Glass concentric nebulizer, single-pass glass cyclonic spray chamber, and sample pump tubes (white/white). For high sensitivity analysis of aqueous or acidic samples	G8003-67000
Aqueous sample introduction kit Includes: Conikal nebulizer, single-pass glass cyclonic spray chamber and sample pump tubes (white/white). For routine analysis of aqueous or acidic samples.	G8003-67001
Inert sample introduction kit For use with HF. Includes inert double pass spray chamber, Easy-fit inert torch with alumina injector and clamp for inert torch. Requires but does not include the inert OneNeb Series 2 nebulizer or pump tubing	G8003-67005

Agilent SPS 4 Autosampler	Part Number
Spare probes	
SPS 4 probe, 0.8 mm id, green marker, inert, FEP-sleeved (standard probe for flame AA)	G8410-80102
SPS 4 probe, 1.0 mm id, blue marker, inert, FEP-sleeved	G8410-80103
SPS 4 probe, 1.2 mm id, black marker, inert, FEP-sleeved (required for viscous, high matrix, and high TDS samples)	G8410-80104

Peristaltic pump tubing for the rinse pump	Part Number
Peristaltic pump tubing, PVC SolvaFlex, 3-bridged, gray/gray tabs, for Agilent SPS 3 when pumping acidic or aqueous rinses, 12/pk	3710049000
Peristaltic pump tubing, Santoprene, 3-bridged, gray/gray tabs, for ketone-based solvents on AA, MP-AES, and ICP-OES instruments, 6/pk	3710057500
Peristaltic pump tubing, FPM, 3-bridged, black/black tabs with flared ends, for use with Agilent SPS 3 autosampler when pumping aromatic organic samples, 12/pk	3710069100

Racks and tubes	Part Number
Standards rack 34-position, 1/pk. Provides 12 places for 50 mL 30 mm od centrifuge tubes and 22 places for 18 mm od test tubes. (Standard configuration for flame AA)	G8410-40000
Sample rack for 13 mm od tubes, 90 positions, 1/pk	6610026400
Sample rack for 16 mm od tubes, 60 positions, 1/pk	6610025400
Sample rack for 20 mm od tubes, 40 positions, 1/pk	6610025500
Sample rack for 25 mm od tubes, 24 positions, 1/pk	6610026500
Sample rack for 30 mm od tubes (50 mL centrifuge tubes), 21 positions, 1/pk	6610026600
Rack overlay for 60-position sample rack (2 per rack recommended), for Agilent SPS 3 autosampler. Allows 13 mm and some 16 mm od tubes to be used in 60-position rack.	6610026100
Rack overlay for 40-position sample rack (2 per rack recommended), for Agilent SPS 3 autosampler. Allows 18 mm od tubes to be used in 40-position rack.	6610026000
Centrifuge tubes, polypropylene, 5mL graduations to 50 mL, 500/pk, screw cap, 29 mm od	190065200
Polypropylene tubes, 17 mm od, 16.5 mL, 1,000/pk	00000001600L

Wavelength Calibration Solutions	Part Number
ICP-OES wavelength calibration concentrate, 500 mL. Contains 50 mg/L Al, As, Ba, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sr, Zn, and 500 mg/L K in 5% HNO ₃ . Dilute x10 before use.	6610030000
ICP-OES wavelength calibration solution, 500 mL. Contains 5 mg/L Al, As, Ba, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sr, Zn, and 50 mg/L K in 5% HNO ₃ . Ready to use.	6610030100
Calibration blank solution for ICP-OES, 500 mL, 0 ppm. Contains pure ASTM Type 1A water with 5 % HNO ₃ for use as a calibration blank or dilution of the wavelength calibration concentrate. Ready to use.	5190-7001

Multi-Element Calibration Standards	Part Number
Calibration mix 1, for AA and ICP-OES, 125 mL. Contains 100 mg/L Sb, Mo, Sn, and Ti in 2% HNO ₃ plus 0.5% HF.	6610030500
Calibration mix 2, for AA and ICP-OES, 125 mL. Contains 100 mg/L Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Se, Ti, Th, U, V, and Zn in 5% HNO ₃ .	6610030600
Calibration mix majors, for AA and ICP-OES, 125 mL. Contains 500 mg/L Ca, Fe, K, Mg, and Na in 5% HNO ₃ .	6610030700
Calibration mix 3, for AA and ICP-OES, organic, 125 mL. Contains 500 mg/kg Ag, Al, B, Ba, Ca, Cd, Cr, Cu, Fe, Mg, Mn, Mo, Na, Ni, P, Pb, Si, Sn, Ti, V, and Zn in mineral oil.	6610030200

Internal Standard/Ionization Suppressant	Part Number
ICP internal standard, 125 mL bottle, 100 mg/L ⁶ Li, Sc, Y, In, Tb, Bi in 5% HNO ₃	6610030400
Cesium buffer solution Contains 1 % Cs (from carbonate) in 5 % nitric acid, 500 mL bottle	5190-8343
Yttrium solution – 1 % 10,000 mg/L in 5 % nitric acid. Also used for instrument optimization. 500 mL bottle	5190-8233
Multi-element internal standard (mix 4) Contains 50 µg/mL ⁶ Li, Sc, 25 µg/mL Ge, Te, 10 µg/mL Bi, In, Tb in 2 % HNO ₃ with trace HF. 100 mL bottle	5190-8593

Agilent offers a comprehensive range of single and multi-element standards, ionization buffers, metallo-organic and biodiesel standards, solvents, and environmental standards for atomic spectroscopy. With the assurance of NIST traceability, Agilent's Certified Reference Materials and standard mixes offer accurate, reliable calibrations at great value.

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