

Agilent Atomic Absorption 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 Agilent 240/280 and 50/55 series AA systems. Keep this list so you can quickly find the supplies you need and minimize instrument downtime.



Agilent Mark 7 Flame Atomization System	Part Number
Burner cleaning and alignment card, 100/pk	9910053900
Glass impact beads, Mark V/VI/7 spray chambers, 5/pk	9910025700
High solids capillary tubing, 3 m	9910024800
High vacuum capillary tubing, 3/pk	9910044000
Venturi PEEK	1610117390
Nebulizer capillary kit, includes capillary and guide, spring, capillary tubing, and cleaning wire	9910093000
Nebulizer cleaning wire, 3 x 0.3 m lengths	9910024700
O-ring kit, for aqueous samples	9910093400
O-ring kit, for organic solvents	9910093500
Mixing paddles, fluorinated, 5/pk	9910093600
Kit, fluorinated liquid trap, float, and magnet	9910105800
Drain tubing for aqueous solutions per m, 2 m length required	3710009200
Operating supplies kit for Agilent Mark 7 flame AA, includes PEEK Venturi, capillary and guide, spring, nebulizer block, glass impact beads, capillary tubing, O-ring kit, mixer paddles, and burner cleaning strips	190034100
Venturi extraction tool	7210027700
Nebulizer capillary extraction tool	7210027600
Spray chamber body, fluorinated	6210092090
Nebulizer block, excludes integrated nebulizer, fluorinated	9910093100
Spray chamber bung	1610118800

Agilent Mark 7 Flame Atomization System (continued)	Part Number
Complete Mark 7 spray chamber assembly for Agilent flame AA, for aqueous/acidic samples (fitted with standard O-rings)	110634490
Complete Mark 7 spray chamber assembly for Agilent flame AA, for use with organic solvents (fitted with organic resistant O-rings)	110866890
Burner, air-acetylene, Mark 7	210164000
Burner, nitrous oxide-acetylene, Mark 7	210164100

Deuterium Background Corrector	Part Number
Deuterium UV background correction lamp, for AA instruments	G8431-80000

SIPS	Part Number
SIPS, pump bands, 10/pk	9910077600
SIPS 10/20 peristaltic pump tubing, Marprene, orange/orange tabs, 6/pk	9910075900
Tubing kit, to connect constant pressure head bottle to T-piece	9910076100
SIPS 10 2-way T-piece assembly	110651090
SIPS 20 3-way T-piece assembly	110585790
Constant-pressure-head bottle, SIPS 10/20, rectangular, 500 mL	110533590
Constant-pressure-head bottle, SIPS 10/20, rectangular, 1 L	110766690

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	
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	
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, 5 mL graduations to 50 mL, 500/pk, screw cap, 29 mm od	190065200
Polypropylene tubes, 17 mm od, 16.5 mL, 1,000/pk	00000001600L

Agilent PSD 120 GFAA Autosampler	Part Number
Sample vials, 2 mL, conical, polyethylene, 1,000/pk	9910028200
Sample vials, 1.1 mL, polyethylene, for high capacity carousel, 2,000/pk	6610025900
Plastic beaker, 10 mL, 5/pk	9910115600
Capillary assembly, 5/pk	9910115100
Syringe, 100 µL	4710003200
Plunger for 100 µL syringe, PTFE-tipped	4710003100
O-ring, 2 in id x 2-1/4 in od x 1/8 in nitrile, rinse bottle	6910025900

Agilent VGA 77	Part Number
Sodium tetrahydroborate reagent, 500 g, hazardous	8210029100
Peristaltic pump tubing, PVC, for pumping reagents, black/black, 12/pk	3710027200
Peristaltic pump tubing, PVC, for pumping reagents, purple/black, 12/pk	3710027300
Hydride absorption cells, quartz, 2/pk	9910040000
Tubing and connector kit	9910061900
AA hydride module (recommended to dedicate a module to Hg determinations)	9910062100
Flow through mercury absorption cell, single cell	9910040700
Gas-liquid separator	9910071100
Pump tube beds kit	9910050700

GTA 120 and GTA 120 Zeeman GFAA	Part Number
Partitioned tubes, pyrolytically coated, 10/pk	6310001200
Omega platform tubes, pyrolytically coated, 10/pk	6310003700
Solid pyrolytic graphite platforms, for plateau tubes, 10/pk	6310001300
Plateau tube, pyrolytically coated, only for use with pyrolytic platforms, 10/pk	6310001100
Graphite electrodes for GTA 120, 1 pair	6310003400
Graphite electrodes for GTA 120, Zeeman, 1 pair	6310003500
GTA 120 Deuterium GFAA operating supplies kit*	190067900
GTA 120 Zeeman GFAA operating supplies kit*	190068000

* Includes:

Replacement electrodes (2 pairs), spare shroud, omega platform tubes (5/pk of 10 tubes), 100 µL syringe, kit of capillary assemblies (5/pk) plastic beakers (5/pk), 2 mL polyethylene sample vials (2 pk of 1,000 vials)

Single element AA standards	
Supplied in 100 mL bottles, concentration 1,000 ppm (0.1%), 1 mL of solution contains 1 mg of metal	
	Part Number
Aluminum standard solution	5190-8256
Antimony standard solution	5190-8258
Arsenic standard solution	5190-8260
Barium standard solution	5190-8262
Beryllium standard solution	5190-8264
Bismuth standard solution	5190-8266
Boron standard solution	5190-8268
Cadmium standard solution	5190-8270
Calcium standard solution	5190-8272
Cesium standard solution	5190-8274
Chromium standard solution	5190-8275
Cobalt standard solution	5190-8277
Copper standard solution	5190-8279
Europium standard solution	5190-8239
Gadolinium standard solution	5190-8241
Gallium standard solution	5190-8457
Germanium standard solution	5190-8459
Gold standard solution	5190-8282
Holmium standard solution	5190-8465
Indium standard solution	5190-8284
Iridium standard solution	5190-8469
Iron standard solution	5190-8285
Lanthanum standard solution	5190-8473
Lead standard solution	5190-8287
Lithium standard solution	5190-8289
Magnesium standard solution	5190-8291
Manganese standard solution	5190-8293
Mercury standard solution	5190-8295
Molybdenum standard solution	5190-8297
Nickel standard solution	5190-8298
Osmium standard solution	5190-8495
Palladium standard solution	5190-8300
Phosphorus standard solution	5190-8499
Platinum standard solution	5190-8302
Potassium standard solution	5190-8304
Rhodium standard solution	5190-8509
Rubidium standard solution	5190-8511
Sodium standard solution	5190-8311
Strontium standard solution	5190-8313
Tantalum standard solution	5190-8531
Tellurium standard solution	5190-8315
Thallium standard solution	5190-8316
Tin standard solution	5190-8318
Titanium standard solution	5190-8320
Tungsten standard solution	5190-8547
Vanadium standard solution	5190-8323
Ytterbium standard solution	5190-8553
Yttrium standard solution	5190-8555
Zinc standard solution	5190-8325
Zirconium standard solution	5190-8327

Matrix modifiers for GFAA	Part Number
Supplied in 100 mL bottles (unless indicated otherwise)	
Ammonium phosphate matrix modifier solution, 10% ammonium dihydrogen phosphate in water	5190-8337
Nickel nitrate matrix modifier solution, 10,000 ppm nickel in 5% nitric acid	5190-8339
Palladium nitrate matrix modifier solution, 10,000 ppm palladium in 5% nitric acid	5190-8336
Mixed modifier of palladium nitrate and magnesium nitrate, 1000 µg/mL Pd, 600 µg/mL Mg(NO ₃) ₂ , 250 mL bottle	5190-8341
Triton X-100 surfactant (50 mL bottle)	CP3418

Ionization suppressants for flame AA	Part Number
Supplied in 500 mL bottles (unless indicated otherwise)	
Cesium nitrate buffer solution, 1% (from carbonate) in 5% HNO ₃ (100 mL bottle)	5190-8343
Lanthanum buffer solution, 10% in 5% nitric acid	5190-8801
Potassium buffer solution, 10% in 5% nitric acid	5190-9420
Strontium buffer solution, 10% in 5% nitric acid	5190-9419

Agilent offers a comprehensive range of other 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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