

Agilent 700 Series Radial ICP-OES 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 700 series radial (vertically orientated) ICP-OES systems. Keep this list so you can quickly find the supplies you need and minimize instrument downtime.



Pump and Connecting Tubing	Part Number
Peristaltic pump tubing, PVC, for aqueous samples, gray/gray, 12/pk	3710034500
Peristaltic pump tubing, PVC, for aqueous samples, blue/blue, 12/pk	3710034600
Peristaltic pump tubing, peristaltic pump, PVC, for pumping reagents black/black, 12/pk	3710027200
Peristaltic pump tubing, PVC, for aqueous samples, orange/white, 12/pk	3710046900
Y-piece connector for online addition of internal standard/ionization buffer	1610132400
Replacement tubing, for spray chamber to torch, per m	3710033400
Replacement tubing, for spray chamber to peristaltic pump waste line (glass cyclonic spray chamber), per m	3710024600
Replacement tubing, for spray chamber to peristaltic pump waste line (Sturman-Masters spray chamber), per m	3710033900
Nebulizer capillary tubing, for ketone-based organic samples, per m	2410020500

Spray Chambers	Part Number
Sturman-Masters spray chamber	110593190
Spray chamber, single-pass, glass, cyclonic	2010081700
Spray chamber, double-pass, glass, cyclonic	7910043700
Bracket, for mounting glass, cyclonic spray chambers	110611700
Transfer tube FEP, for Sturman-Masters spray chamber	7910051490
Transfer tube FEP, for glass, cyclonic spray chamber	7910051290
Sample compartment O-ring kit, includes all O-rings for spray chamber area, demountable torch, and ASA	9910057200

Spare Tubing Kits	Part Number
Sample compartment/torch box tube connection kit, includes all tubing for spray chamber area and spare nipples for drain (excluding pump tubing)	9910057100
Tubing and connectors kit, includes two packs of standard peristaltic pump tubing, snap connectors used in sample compartment and torch box area, ideal for spare start-up kit	9910105400
Internal standard kit 1, with black/black pump tubing, includes pump tubing, EzyFit connectors, 5 Y-pieces, and connecting tubing	9910124000
Internal standard kit 2, with orange/white pump tubing, includes pump tubing, EzyFit connectors, 5 Y-pieces, and connecting tubing	9910124100
Tubing kit, aqueous, for SeaSpray/K-style nebulizers and glass cyclonic spray chamber	9910123700
Tubing kit, aqueous, for inert OneNeb/V-groove nebulizer and Sturman-Masters spray chamber.	9910123900
* Each aqueous tubing kit includes standard PVC pump tubing, FEP transfer tube, drain tubing, waste line, EzyFit connectors, nebulizer capillary tubing, connectors and connecting tubing.	
Tubing kit, organic, for low volatile organic solvents, with concentric nebulizer and glass cyclonic spray chamber	9910124300
Tubing kit, organic, for low volatile organic solvents with inert OneNeb/V-groove nebulizer and Sturman-Masters spray chamber.	9910124500
* Each organic tubing kit includes PVC SolvaFlex peristaltic pump tubing, FEP transfer tube, drain tubing, waste line, EzyFit connectors, nebulizer capillary tubing, connectors, and connecting tubing.	

Nebulizers and Supplies	Part Number
V-groove nebulizer kit, inert, for Sturman-Masters spray chamber	9910057400
OneNeb series 2 inert concentric type nebulizer. For use with HF and high TDS solutions.	G8010-60293
Concentric glass nebulizer, SeaSpray/Ezylok	2010096400
Concentric glass nebulizer, K-style, Conikal, concentric, glass, recommended for routine analysis of organic solvents	2010106800
Sample inlet fitting, EzyFit, for concentric glass nebulizer	1610136400
Gas inlet connector, Ezylok, for concentric glass nebulizer	9910127800
Tubing, per m, 1/8 in id x 1/4 in od, connects argon gas supply to nebulizer and drain tubing for SPS 3	3710031500

Torches and Supplies	Part Number
Spare torch bonnet, quartz	2010070790
Torch, low-flow, quartz, with 1.4 mm id injector (standard torch)	2010069690
Torch, high solids, with tapered 1.8 mm id injector, for high TDS samples	2010095000
Torch, low flow, quartz, with 1.4 mm id injector, annealed, for organics	2010117500
Torch, low flow, quartz, with 0.8 mm id injector, annealed for volatile organics	2010117400
Semidemountable inert torch assembly kit, for HF samples or organics	9910056800
Spare semidemountable inert torch body, quartz	2010072900
Injector, alumina, 1.8 mm, for semidemountable torch	2410067590
Injector, quartz, 1.4 mm, for semidemountable torch	9910057000
Injector, quartz, 0.8 mm, for semidemountable torch	2010077500
Injector holder kit, for semidemountable torch, includes injector bung and O-rings	9910057300
GazFit fittings for one piece torch	9910107100
Silicon tubing, 3/16 in id x 5/16 in od, per m, connects plasma and auxiliary gas lines to the argon outlet	2410023800

SPS 3 Autosampler	Part Number
Inert probe, 0.8 mm, PTFE-sleeved	9910111900
Inert probe, 1.0 mm, PTFE-sleeved, used with diluter	9910112000
Inert probe, 1.3 mm, PTFE-sleeved	9910130900
Peristaltic pump tubing, 3-bridged, gray/gray, 12/pk	3710049000
Silicon tubing, 1 mm id, per m, to connect to nebulizer	3710026400
Tubing, per m, 1/8 in id x 1/4 in od, connects argon gas supply to nebulizer and drain tubing for SPS 3	3710031500
Polypropylene test tubes, 17 mm od, 16.5 mL, 1,000/pk	0000001600L
Polypropylene tubes, 16 mm od, 1,000/pk	190049700
Centrifuge tubes, polypropylene, 5 mL graduations to 50 mL, 30 mm od x 115 mm, 500/pk	190065200
Rack overlay kit, 40-position sample rack for Agilent SPS 3 autosampler, allows 40 x 18 mm od tubes to be used	6610026000
Rack overlay kit, 60-position sample rack for Agilent SPS 3 autosampler, allows 60 x 13 mm od tubes to be used	6610026100

Spares for SVS 1 Productivity Package	Part Number
Valve, 4-port, for SVS. Replace every four to six months, depending on use.	3610010100
SVS, EzyFit, for concentric glass nebulize, 10/pk	1610136400
Flangeless fitting, 1/pk	1610136500
Ferrule, 1/pk	1610136600
FEP capillary tubing, 0.0625 in od x 0.02 in id	3710052400

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, for pumping samples, purple/black, 12/pk	3710027300
Tubing and connector kit	9910061900
ICP-OES hydride module	9910062200
Gas-liquid separator	9910062000
Pump tube beds kit	9910050700

Consumable Kits	Part Number
Extenda Valu-Pack for radial ICP. Includes 4 torches, torch bonnet, inert Sturman-Masters spray chamber, 2 V-groove nebulizers, 2 tubing and connectors kits, 2 O-ring kits, and GazFit torch fittings.	9910112700

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

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

Internal Standard/Ionization Suppressant Supplied in 500 mL bottles	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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