

# Agilent 7700/8800 Series ICP-MS 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 7700 single quadrupole ICP-MS and 8800 triple quadrupole ICP-MS. Keep this list so you can quickly find the supplies you need and minimize instrument downtime.

Spray Chamber Supplies	Part Number
Spray chamber, double-pass, quartz	G3280-80008
End-cap	G3280-60008
Connector tube, quartz	G3270-80025
Connector tube, quartz, with dilution port for HMI	G3270-80024
Clamp, for spray chamber	G1833-65430
Drain tubing (tubing between peristaltic pump tubing and drain tank)	G1820-65515
Tubing, Tygon, 3 m (for drain to drain tank)	G3280-60077
Spray chamber Drain tubing assembly, for ICP-MS	G3280-60555

Sampler Cones and Supplies	Part Number
Gasket, graphite, for sampling cone, 3/pk	G3280-67009
ICP-MS sampler cone, nickel, standard for Agilent 7700x/e, and 8800x ICP-MS	G3280-67040
Nickel sampler cone care package Includes 2pcs Ni sampler, 1pc Magnifier tool, 1pk Graphite gaskets, 1pk Cotton swabs	5067-0294
ICP-MS sampler cone, platinum, standard for Agilent 7700s and 8800 ICP-MS semiconductor configuration; also suitable for Agilent 7700x/e and 8800	G3280-67036
Platinum sampler cone care package Includes 2pcs Pt sampler, 1pc Magnifier tool, 1pk Graphite gaskets, 1pk Cotton swabs	5067-0296
ICP-MS sampler cone, nickel-plated, recommended for samples containing >0.5% HCl and when using max. HMI aerosol dilution	G3280-67061
Nickel-plated sampler cone care package Includes 2pcs Ni-plated sampler, 1pc Magnifier tool, 1pk Graphite gaskets, 1pk Cotton swabs	5067-0295

Sampler Cones and Supplies	Part Number
Sampler cone, platinum, with 18 mm insert, for high viscosity and high boiling point acids (for example, H <sub>2</sub> SO <sub>4</sub> or H <sub>3</sub> PO <sub>4</sub> )	G3280-67056
Magnifier tool	5190-9614
Cotton swabs, 1pk of 100pcs	9300-2574

Tubing	Part Number
Peristaltic pump sample tubing, Tygon, 1.02 mm id, 40 cm, 12/pk	G1833-65569
Peristaltic pump tubing, Tygon, for ISTD, 0.25 mm id, 12/pk	G3280-67047
Peristaltic pump drain tubing, Ismaprene, 1.52 mm id, 40 cm, 12/pk	G1833-65570
Sample tubing, PFA, 0.5 mm id, 1.6 mm od, 5 m	G1820-65105
Online ISTD addition kit, for ICP-MS	G3280-60590

Skimmer Cones and Bases	Part Number
Skimmer cone, nickel, standard for Agilent 7700x/e and 8800 ICP-MS	G3280-67041
Skimmer base, stainless steel, for nickel skimmer (standard for Agilent 7700x/e and 8800 ICP-MS)	G3280-60608
Skimmer cone, platinum, with copper base, standard for Agilent 7700s and 8800 ICP-MS semiconductor configuration (requires brass skimmer base)	G3280-67064
Skimmer cone, platinum, with nickel base, for Agilent 7700x/e and 8800 ICP-MS, recommended for organics analysis (requires brass skimmer base)	G3280-67063
Skimmer cone, platinum, with copper base, for Agilent 7700x/e and 8800 ICP-MS, recommended for lowest LODs and with higher matrix samples (requires brass skimmer base)	G3280-67060
Skimmer base, brass, for Agilent 7700x/e and 8800 ICP-MS (required for use with Pt skimmer)	G3280-60621
Skimmer base, brass, for Agilent 7700s and 8800 ICP-MS semiconductor configuration (required for use with Pt skimmer)	G1833-65590

Torch	Part Number
Torch, quartz, 2.5 mm id, standard for 7700 / 8800	G3280-80053
Torch, quartz, 1.5 mm id, taper type for use with organic solvents	G3280-80080
Torch, quartz, 1.0 mm id, taper type for use with organics solvents	G3280-80081
ShieldTorch bonnet, quartz	G1833-65421
Long life Pt shield plate for ShieldTorch	G1833-65419

Nebulizers and Supplies	Part Number
MicroMist nebulizer, standard for Agilent 7700x/e and 8800	G3266-65003
Sample inlet fitting, for MicroMist nebulizer, 0.5 mm id, 10/pkg, not compatible with U-series MicroMist nebulizer	G3266-80011
Sample inlet fitting, for MicroMist nebulizer, 0.25 mm id, 10/pkg, not compatible with U-series MicroMist nebulizer	G3266-80010
MicroFlow nebulizer, 200 µL/min	G3139-65100
MicroFlow nebulizer, with I-AS probe, 200 µL/min, standard for Agilent 7700s and 8800 ICP-MS semiconductor configuration	G3139-65102

Operating Supplies Kits	Part Number
Basic supplies kit, for Agilent 7700/8800 ICP-MS, fitted with x-lens and Edwards E2M18 roughing pump using AVF Gold oil *	G3280-67003
Basic supplies kit for Agilent 7700/8800 ICP-MS, fitted with x-lens and roughing pump using AVF Platinum oil *	G3280-67221
Comprehensive spares, for 7700x/e and 8800 ICP-MS fitted with x-lens, and Edwards E2M18 vacuum pump using AVF Gold pump oil *	G3280-67004
Comprehensive spares, for 7700s and 8800 semiconductor ICP-MS fitted with s-lens, and Edwards E2M18 vacuum pump using AVF Gold pump oil *	G3280-67007
Comprehensive spares, for 7700e ICP-MS, and Edwards E2M18 vacuum pump using AVF Gold pump oil *	G3280-67085

\* for kit contents, additional options and more information see Agilent publication 5991-5006EN: Spare Parts and Operating Supplies Kits for Agilent ICP-MS

Tuning Solutions	Part Number
ICP-MS stock tuning solution: Li, Y, Ce, Tl, and Co; 100 mL, 10 mg/L; matrix 2% HNO <sub>3</sub>	5188-6564
Tuning solution: Li, Y, Ce, Tl, and Co; 2 x 500 mL, 10 µg/L; matrix 2% HNO <sub>3</sub>	5184-3566

Vacuum System Supplies	Part Number
Agilent Vacuum Fluid (AVF) Gold, 1 L	6040-0834
Agilent Vacuum Fluid (AVF) Gold, 1 gal	6040-0798

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PA Tuning Solution Kit	Part Number
2 x 100 mL bottles Tuning 1: 20 ppm each of Zn, Be, Cd, As; 10 ppm each of Ni, Pb, Mg; 5 ppm each of Tl, Na Al, U, Cu, Th, Ba, Co, Sr, V, Cr, Mn, <sup>6</sup> Li, Sc, In, Lu, Bi; 2.5 ppm each of Y, Yb; matrix 2 to 5% HNO <sub>3</sub> Tuning 2: 10 ppm each of Mo, Sb, Sn, Ge, Ru, Pd; 5 ppm of Ti, Ir; matrix 10% HCl/1% HNO <sub>3</sub> /trace HF	5188-6524

Multi-element Calibration Standards	Part Number
Multi-element calibration standard-1, 100 mL: 10 mg/L of Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Th, Tm, Y, Yb; matrix 5% HNO <sub>3</sub>	8500-6944
Multi-element calibration standard-2A, 100 mL: 10 mg/L of Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Ti, U, V, Zn; matrix 5% HNO <sub>3</sub>	8500-6940
Multi-element calibration standard-3, 100 mL: 10 mg/L of Sb, Au, Hf, Ir, Pd, Pt, Rh, Ru, Te, Sn; matrix 10% HCl/1% HNO <sub>3</sub>	8500-6948
Multi-element calibration standard-4B, 100 mL: 10 mg/L of B, Ge, Mo, Nb, P, Re, S, Si, Ta, Ti, W, Zr; matrix H <sub>2</sub> O/trace HF	8500-6942

Environmental Standards	Part Number
Environmental calibration standard, 100 mL: 1,000 mg/L of Fe, K, Ca, Na, Mg; 10 mg/L of Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn, Th, U; matrix 10% HNO <sub>3</sub>	5183-4688
Initial calibration verification standard, 100 mL: 1,000 mg/L of Fe, K, Ca, Na, Mg, Sr; 10 mg/L of Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn, Th, U; matrix 5% HNO <sub>3</sub>	5183-4682
Internal standard mix, 100 mL; 100 ppm of 6Li, Sc, Ge, Rh, In, Tb, Lu, Bi; matrix 10% HNO <sub>3</sub>	5188-6525
Internal standard mix, 100 mL; 10 mg/L of 6Li, Sc, Ge, Y, In, Tb, Bi; matrix 5 to 10% HNO <sub>3</sub>	5183-4681

Interference Check Mixes	Part Number
6020 interference check solution A, 100 mL: 20,000 ppm of Cl; 3,000 ppm of Ca; 2,500 ppm each of Fe, Na; 2,000 ppm of C; 1,000 ppm each of Al, Mg, P, K, S; 20 ppm each of Ti, Mo; matrix 5% HNO <sub>3</sub> /trace HF	5188-6526
6020 interference check solution B, 100 mL: 20 ppm each of Cr, Co, Cu, Mn, Ni, V; 10 ppm each of As, Cd, Se, Zn; 5 ppm of Ag; matrix 5% HNO <sub>3</sub>	5188-6527

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.