

MINIMIZE WORKFLOW INTERRUPTIONS



Operating Supplies Kits for Agilent ICP-MS

Reduce costs while ensuring long-term confidence in your results

Your Agilent ICP-MS instrument was engineered and manufactured to deliver superb performance. Don't risk the quality and reliability of your results, as well as possible instrument downtime, by using non-Agilent supplies. You'll find that using authentic **Agilent ICP-MS operating supplies kits** will enable you to:

- Maintain accurate analysis
- Save as much as 15% over the cost of purchasing supplies individually
- Keep your instruments running for up to 12 months (depending on use) without worrying about reordering supplies

Increase flexibility with Agilent configurable operating supplies kits

In addition to time and cost savings, you can configure the contents of these kits for your specific instrument configuration and application. That means you can select the type and quantity of sampling cones, skimmer cones, and other supplies you need.

These flexible supplies kits are available for:

- **Agilent 7700/7800/7900 Single-Quadrupole ICP-MS systems** fitted with x-lens
- **Agilent 8800/8900 Triple-Quadrupole ICP-QQQ systems**
- **Agilent 7700s/7900s and 8800/8900 semiconductor ICP-MS systems** fitted with s-lens

These are not just parts and supplies, they are essential components which guarantee the performance, reliability, and longevity of your instrument.

On the following pages you'll find a full portfolio of genuine Agilent ICP-MS operating supplies, listed by instrument. Identify the model you are using and make your selections.



Agilent Technologies

Enjoy cost-effective and reliable supplies kits

BASIC SUPPLIES KIT

Part Number	Description
G3280-67003	For Agilent 7700/7900 and 8800 ICP-MS fitted with x-lens and Edwards E2M18 roughing pump using Inland 45 pump oil Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 12/pk; PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; graphite gasket for sampling cone, 3/pk; rough pump oil, Inland 45, 1 qt; and torch with 2.5 mm id injector.
G3280-67221	For Agilent 7700/7800/7900 and 8800/8900 ICP-MS fitted with x-lens and roughing pump using AVF 60 SHCE pump oil Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 12/pk; PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; graphite gasket for sampling cone, 3/pk; rough pump oil, AVF 60 SHCE, 1 L; and torch with 2.5 mm id injector.

COMPREHENSIVE OPERATING SUPPLIES KITS

Part Number	Description
G3280-67085	For Agilent 7700e ICP-MS with Edwards E2M18 roughing pump using Inland 45 pump oil Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubes, 0.5 mm id, 1.6 mm od, 5 m; sample inlet tubing, 0.5 mm id for MicroMist nebulizer; online internal standard addition kit; drain tube assembly; spray chamber; spray chamber drain tubing; connector tube; nebulizer carrier gas connector; spray chamber clamps, 2/pk; carrier gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; plasma/auxiliary gas tubes with inner sleeve; gas line connector; RF coil; graphite gasket for sampling cone, 3/pk; 2 x Ni sampling cones; 2 x Ni skimmer cones; screw and spacer kit for x-lens 2/pk; screw and spacer O-ring; PTFE tubing for internal reaction gas line; Octopole assembly; polishing paper kit 5 sheets No. 400+1200; oil mist filter element; 2 packs rough pump oil, Inland 45, 1 quart.
G3280-67004	For Agilent 7700x/e and 8800 ICP-MS fitted with x-lens and Edwards E2M18 roughing pump using Inland 45 pump oil Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubes, 0.5 mm id, 1.6 mm od, 5 m; sample inlet tubing, 0.5 mm id, for MicroMist nebulizer; online internal standard addition kit; drain tube assembly; spray chamber; spray chamber drain tubing; connector tube with dilution port; dilution gas connector; nebulizer carrier gas connector; dilution gas port plug; spray chamber clamps, 2/pk; carrier gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; plasma/auxiliary gas tubing with inner sleeve; gas line connector; RF coil; graphite gasket for sampling cone, 3/pk; 2 x Ni sampling cones; 2 x Ni skimmer cones; screw and spacer kit for x-lens; screw and spacer O-ring; PTFE tubing for internal reaction gas line; Octopole assembly; polishing paper kit 5 sheets No. 400+1200; oil mist filter element; 2 packs rough pump oil, Inland 45, 1 quart.

G3280-67007

For Agilent 7700s and 8800 semiconductor ICP-MS fitted with s-lens and Edwards E2M18 roughing pump using Inland 45 pump oil

Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubes, 0.5 mm id, 1.6 mm od, 5 m; online internal standard addition kit; drain tube assembly; spray chamber; spray chamber drain tubing; connector tube with dilution port; dilution gas connector; nebulizer carrier gas connector; dilution gas port plug; spray chamber clamps, 2/pk; carrier gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; plasma/auxiliary gas tubes with inner sleeve; gas line connector; RF coil; graphite gasket for sampling cone, 3/pk; Pt sampling cone; Pt skimmer cone; screw and spacer kit for s-lens; screw and spacer O-ring; PTFE tubing for internal reaction gas line; Octopole assembly; polishing paper kit 5 sheets No. 400+1200; oil mist filter element; 2 packs rough pump oil, Inland 45, 1 quart.

CONFIGURABLE OPERATING SUPPLIES KITS

Configurable operating supplies kits for Agilent ICP-MS allow you to choose the skimmer and sampling cones, ion lenses, and roughing pump oil supplied with the kit to suit your application needs. Please follow the steps below to configure your kits.

Part Number	Description
G3690A	For Agilent 7700x/e and 8800 ICP-MS systems fitted with x-lens

Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; sample inlet tubing, 0.5 mm id, for MicroMist nebulizer, 10/pk; online internal standard addition kit; drain tubing assembly; spray chamber; tubing for drainage, 4.0 mm id, 2.5 m; quartz connector tube with dilution port; gas connector for dilution gas port; nebulizer EzyLok gas connector; plug for dilution port, 4 mm; clamps for spray chamber, 2/pk; carrier/make-up/dilution gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; plasma/auxiliary gas tubing with inner sleeve; connectors for plasma/auxiliary gas; RF coil; graphite gasket for sampling cone, 3/pk; screw and spacer kit for x-lens; screw/spacer/O-ring for cell; PTFE tubing for reaction cell gas, Octopole assembly; polishing paper kit 5 sheets No. 400+1200.

Step 1: Choose one of the options below to select your sampling cone.

Part Number	Description	Tips
G3690A#100	Add Ni sampling cone for 7700/8800 (bundles p/n G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
G3690A#101	Add Ni plated sampling cone for 7700/8800 (bundles p/n G3280-67061 with the kit)	For samples containing >0.5% HCl, or for HMI operation with maximum aerosol dilution ratio
G3690A#102	Add Pt sampling cone for 7700/8800 (bundles p/n G3280-67036 with the kit)	Required when running HF or aqua regia digests

Note: If you have selected a part from the pale green rows in Step 1, the part from the pale green row in Step 2 is the recommended option. Similarly, if you selected a part from the darker green row in Step 1, the part from the darker green row in Step 2 is the recommended option.

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Step 2: Choose one of the options below to select your skimmer cone.

Part Number	Description	Tips
G3690A#200	Add Ni skimmer cone for 7700/8800 (bundles p/n G3280-67041 with the kit)	Provides most economical operation. Suitable for most common applications
G3690A#201	Add Pt skimmer cone for 7700/8800 (bundles p/n G3280-67060 with the kit), This option also requires the brass skimmer base (p/n G3280-60621– not included in kit)	Required when running HF or aqua regia digests

Step 3: Choose one of the options below to select the correct oil/filter element for the roughing pump.

Part Number	Description	Tips
G3690A#300	Adds 2 packs Inland 45 oil, 1 Quart, (p/n 6040-0834) and oil mist filter element (p/n 1535-4970)	Suits Edwards E2M18 roughing pump
G3690A#302	Adds 2 packs AVF 60 SHCE oil, 1 L, (p/n X3760-64004) and oil mist filter element (p/n 9499201)	Suits Agilent MS40+ roughing pump

Once you have selected your preferred options, please contact your Agilent Representative or Agilent Authorized Distributor to place your order. **Configurable kits cannot be ordered through the online store.**

Part Number	Description
G1131A	For Agilent 7900 ICP-MS systems fitted with x- or s-lens

Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; online internal standard addition kit; drain tubing assembly; spray chamber for UHMI; tubing for drainage, 4.0 mm id, 2.5 m; quartz connector tube, straight; gas connector for dilution gas port; dilution nozzle, UHMI; plug for dilution port, 4 mm; clamp, torch ball joint connector, 2/pk; carrier/make-up dilution gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; low impurity gas tubing kit; connectors for plasma/auxiliary gas; work coil assembly; graphite gasket for sampling cone, 3/pk; screw/spacer/O-ring for cell; tubing for reaction cell gas; Octopole assembly; polishing paper kit 5 sheets No. 400+1200; exhaust filter for MS40+ roughing pump.

Step 1: Choose your type of kit based on x- or s-lens

Part Number	Description	Tips
G1131A#100	Includes: UniFit sample connector, 0.5 mm id, 10/pk (G3266-80012); nebulizer EzyLok gas connector (G3266-80015); Screw and spacer kit for x-lens (G8400-67003)	Mandatory option for a 7900 with x-lens. If you choose this option then options #200 or #201 and #300 are recommended. If running HF digests, options #202 and #302 are recommended
G1131A#101	Includes: Carrier gas line connector Microflow nebulizer (G1833-65583); screw and spacer kit for s-lens, (G3280-67038)	Mandatory option for a 7900 with s-lens. If you select this option then options #202 and #303 are recommended. If running aggressive semiconductor samples, options #203 and #303 are recommended

Note: If you have selected a part from the pale green row in Step 1, the parts from the pale green rows in Steps 2 and 3 are the recommended options. Similarly, if you selected a part from the darker green row in Step 1, the parts from the darker green rows in Steps 2 and 3 are the recommended options.

Step 2: Choose one of the options below to select your sampling cone

Part Number	Description	Tips
G1131A#200	Add Ni sampling cone for 7900, (bundles p/n G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
G1131A#201	Add Ni plated sampling cone for 7900, (bundles p/n G3280-67061 with the kit)	For samples containing >0.5% HCl, or for HMI operation with maximum aerosol dilution ratio
G1131A#202	Add Pt sampling cone for 7900, (bundles p/n G3280-67036 with the kit)	Required when running HF digests or semiconductor samples
G1131A#203	Add Pt sampling cone (18 mm insert) for 7900, (bundles p/n G3280-67056 with the kit)	Recommended for aqua regia digests

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Step 3: Choose one of the options below to select your skimmer cone

Part Number	Description	Tips
G1131A#300	Add Ni skimmer cone for 7900 with x-lens (bundles p/n G8400-67200 with the kit)	Provides most economical operation. Suitable for most common applications
G1131A#301	Add Pt skimmer cone with Cu base and brass skimmer base for 7900 with x-lens (bundles p/n G8400-67201 and G8400-60625 with the kit)	Recommended for the lowest LODs and for higher matrix samples (such as HF digested geological samples)
G1131A#302	Add Pt skimmer cone with Ni base and brass skimmer base for 7900 with x-lens (bundles p/n G8400-67202 and G8400-60625 with the kit)	Recommended for analysis of organic solvents
G1131A#303	Add Pt skimmer cone for 7900 with s-lens (bundles p/n G3280-67064 with the kit)	Required when running HF digests or semiconductor samples
G1131A#304	Add Ni skimmer cone and stainless steel skimmer base for 7900 with s-lens (bundles p/n G3280-67066 and G8400-60627 with the kit)	Provides lowest cost interface for applications where lowest LODs are not required

Step 4: Choose this option below to include oil for the roughing pump

Part Number	Description	Tips
G1131A#402	Adds 2 packs AVF 60 SHCE oil, 1 L, (p/n X3760-64004)	Suits Agilent MS40+ roughing pump

Once you have selected your preferred options, please contact your Agilent Representative or Agilent Authorized Distributor to place your order. **Configurable kits cannot be ordered through the online store.**

Part Number	Description
M5141A	For Agilent 7800 ICP-MS system fitted with x- lens

Includes: peristaltic pump tubes for sample, Tygon, 3-stop, white/white, 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene, 3-stop, yellow/blue, 12/pk; peristaltic pump tubes for internal standard, Tygon, 2-stop, blue/orange, 2 x 12/pk; PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; UniFit sample connector, 0.5 mm id, 10/pk; online internal standard addition kit; drain tubing assembly; spray chamber; tubing for drainage, 4.0 mm id, 2.5 m; quartz connector tube with dilution port; gas connector for dilution gas port; nebulizer EzyLok gas connector; plug for dilution port, 4 mm; clamps for spray chamber, 2/pk; carrier/make-up dilution gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; low impurity gas tubing kit; connectors for plasma/auxiliary gas; work coil assembly; graphite gasket for sampling cone, 3/pk; screw and spacer kit for x-lens; screw/spacer/O-ring for cell; PTFE tubing for reaction cell gas; Octopole assembly; polishing paper kit 5 sheets No. 400+1200; exhaust filter cartridge; 2 packs rough pump oil, AVF 60 SHCE, 1 L.

Step 1: Choose one of the options below to select your sampling cone

Part Number	Description	Tips
M5141A#100	Add Ni sampling cone for 7800, (bundles p/n G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
M5141A#101	Add Ni plated sampling cone for 7800, (bundles p/n G3280-67061 with the kit)	For samples containing >0.5% HCl, or for HMI operation with maximum aerosol dilution ratio
M5141A#102	Add Pt sampling cone for 7800, (bundles p/n G3280-67036 with the kit)	Required when running HF digests or semiconductor samples
M5141A#103	Add Pt sampling cone (18 mm insert) for 7800, (bundles p/n G3280-67056 with the kit)	Recommended for aqua regia digests

Note: If you have selected a part from the pale green rows in Step 1, the part from the pale green row in Step 2 is the recommended option. Similarly, if you selected a part from the darker green row in Step 1, the part from the darker green row in Step 2 is the recommended option.

Step 2: Choose one of the options below to select your skimmer cone

Part Number	Description	Tips
M5141A#200	Add Ni skimmer cone for 7800 (bundles p/n G3280-67041 with the kit)	Provides most economical operation. Suitable for most common applications
M5141A#201	Add Pt skimmer cone and brass skimmer base for 7800 (bundles p/n G3280-67060 and G3280-60621 with the kit)	Recommended for the lowest LODs and for higher matrix samples (such as HF digested geological samples)
M5141A#202	Add Pt skimmer cone with Ni base and brass skimmer base for 7800 (bundles p/n G3280-67063 and G3280-60621 with the kit)	Recommended for analysis of organic solvents

Once you have selected your preferred options, please contact your Agilent Representative or Agilent Authorized Distributor to place your order. **Configurable kits cannot be ordered through the online store.**

Part Number	Description
G1091A	For 8900 ICP-MS systems fitted with x- or s-lens

Includes: peristaltic pump tubes for sample, Tygon 3-stop white/white 2 x 12/pk; peristaltic pump tubes for waste, Ismaprene 3-stop yellow/blue 12/pk; peristaltic pump tubes for internal standard, Tygon 2-stop blue/orange flared 2 x 12/pk; PFA sample tubes, 0.5 mm id, 1.6 mm od, 5 m length; on-line internal standard addition kit; drain tube assembly; tubing for spray chamber drain (4.0 mm id, 2.5 m); clamp, torch ball joint connector, 2/pk; carrier/make-up/dilution gas tubing; torch with 2.5 mm id injector; long-life Pt shield plate; quartz bonnet for shield torch; plasma/auxiliary low impurity gas tubing kit with inner sleeves; connectors for plasma and auxiliary gas; work coil assembly; graphite gasket for sampling cone, 3/pk; tubing for reaction cell gas; Polishing paper kit, 5 sheets No. 400 + 1200; exhaust filter for MS 40+ roughing pump; 2 packs AVF 60 SHCE oil, 1 L bottle

Step 1: Choose at least one of the following options to select the sample cone supplied

Part Number	Description	Tips
G1091A#100	Add Ni sampling cone for 8900 (bundles p/n G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
G1091A#101	Add Ni plated sampling cone for 8900 (bundles p/n G3280-67061 with the kit)	For samples containing >0.5% HCl, or for (U)HMI operation with maximum aerosol dilution ratio
G1091A#102	Add Pt sampling cone for 8900 (bundles p/n G3280-67036 with the kit)	Required when running HF digests or semiconductor samples
G1091A#103	Add Pt sampling cone (18 mm insert) for 8900 (bundles p/n G3280-67056 with the kit)	Recommended for aqua regia digests

Note: If you have selected a part from the pale green rows in Step 1, the parts from the pale green rows in Steps 2-4 are the recommended options. Similarly, if you selected a part from the darker green row in Step 1, the parts from the darker green rows in Step 2-4 are the recommended options.

Step 2: Choose at least one of the following options to select the skimmer cone supplied

Part Number	Description	Tips
G1091A#200	Add Ni skimmer cone for 8900 with x-lens (bundles p/n G8400-67200 with the kit)	Provides most economical operation. Suitable for most common applications
G1091A#201	Add Pt skimmer cone with Cu base for 8900 with x-lens (bundles p/n G8400-67201 + G3666-60311 with the kit)	Recommended for the lowest LODs and for higher matrix samples (such as HF digested geological samples)
G1091A#202	Add Pt skimmer cone with Ni base for 8900 with x-lens (bundles p/n G8400-67202 + G3666-60311 with the kit)	Recommended for analysis of organic solvents

Part Number	Description	Tips
G1091A#203	Add Ni skimmer cone for 8900 with s-lens (bundles p/n G3666-67421 with the kit)	Provides lowest cost interface for applications where lowest LODs are not required
G1091A#204	Add Pt skimmer cone with Cu base for 8900 with s-lens (bundles p/n G3666-67401 with the kit)	Recommended for the lowest LODs when running semiconductor samples.
G1091A#205	Add Pt skimmer cone with Ni base for 8900 with s-lens (bundles p/n G3666-67411 with the kit)	Recommended for analysis of organic solvents

Step 3: Choose the correct one of the following options to select the sample and gas connectors and screw/spacer kit supplied for the type of lens configuration

Part Number	Description	Tips
G1091A#300	Includes: Unifit sample connector (p/n G3266-80012); gas connector for nebulizer (p/n G3266-80017); screw and spacer kit (p/n G8400-67003); spray chamber with UHMI (p/n G8400-67150); dilution nozzle, UHMI (p/n G8400-67026); gas connector, dilution gas port (p/n 0100-2703); blank plug for dilution port, PTFE (p/n G3666-20391)	Mandatory option for 8900 with x-lens configured for standard or advanced application
G1091A#301	Includes: carrier gas line connector (p/n G1833-65583); screw and spacer kit (p/n G3666-67038); spray chamber (without UHMI) (p/n G3280-80008)	Mandatory option for 8900 with s-lens configured for semiconductor applications

Step 4: Choose the correct one of the following options to select the octopole assembly for the instrument configuration

Part Number	Description	Tips
G1091A#401	Includes: Octopole assembly without axial accelerator for 8900 (p/n G3666-67046); screw/spacer/O-ring for 8900 for cell without axial accelerator (p/n G3666-67044); quartz connector tube straight (p/n G3270-80025)	Mandatory option for 8900 with standard configuration (with ORS without axial acceleration)
G1091A#400	Includes: Octopole assembly with axial accelerator for 8900 (p/n G3666-67045); screw/spacer/O-ring for 8900 for cell with axial accelerator (p/n G3666-67049); quartz connector tube, dilution, HMI kit (p/n G3270-80024); plug for dilution port (p/n G3280-20576); gas connector for dilution gas port (p/n 0100-2583)	Mandatory option for 8900 configured for advanced or semiconductor application (with ORS with axial acceleration)

Once you have selected your preferred options, please contact your Agilent Representative or Agilent Authorized Distributor to place your order. **Configurable kits cannot be ordered through the online store.**

Agilent Atomic Spectroscopy Portfolio: Leading the way in atomic spectroscopy innovation

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