

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 7700/7800/7850/7900 Single-Quadrupole ICP-MS systems fitted with x-lens
- Agilent 9500 Triple-Quadrupole ICP-MS systems fitted with u-lens or m-lens
- Agilent 8800/8900 Triple-Quadrupole ICP-MS 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.

Basic supplies kit

Part Number	Description
G3280-67221	For Agilent 7700/7800/7850/7900 and 8800/8900 ICP-MS fitted with x-lens and roughing pump using AVF Platinum pump oil Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 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 Platinum, 1 L; and torch with 2.5 mm id injector.
M5150-67108	For Agilent 9500 ICP-MS fitted with u-lens and roughing pump using AVS Platinum pump oil Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 2-stop, blue/orange, 12/pk); PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; PFA sample tubing, 0.3 mm id, 1.6 mm od, 3 m; PTFE nut for 1.6 mm od tubing, 10/pk; front and back ferrule for 1.6 mm od tubing, 10/pk; graphite gasket for sampling cone, 3/pk; rough pump oil, AVF Platinum, 1 L; and Easy-fit quartz torch with 2.5 mm id injector.
M5150-67107	Standard quartz sample introduction system for Agilent 9500 ICP-MS (nebulizer not included) Includes: Easy-fit quartz torch with 2.5 mm id injector; quartz spray chamber for UHMI; quartz connector tube, straight; end cap for spray chamber; end cap retaining ring; and drain tubing assembly for ICP-MS spray chamber.
M5150-67106	Organic sample introduction system for Agilent 9500 ICP-MS (nebulizer not included) Includes: Easy-fit quartz torch with 1.5 mm id injector; quartz spray chamber for HMI; quartz connector tube with gas port; end cap for spray chamber; end cap retaining ring; drain tubing assembly for ICP-MS spray chamber; Easy-fit peristaltic pump tubes for sample (SolvaFlex, 2-stop, black/black, 12/pk), waste (Fluran, 3-stop, yellow/blue, 1/pk); and drain tubing for organic waste (ETFE core, 4 mm id, 6 mm od, 2.5 m length).

Comprehensive operating supplies kits

Part Number	Description
G3280-67004	For Agilent 7700x/e and 8800 ICP-MS fitted with x-lens and Edwards E2M18 roughing pump using AVF Platinum pump oil Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 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 platinum 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 nickel sampling cones; 2 x nickel 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; rough pump oil, AVF Platinum, 1L
G3280-67007	For Agilent 7700s and 8800 semiconductor ICP-MS fitted with s-lens and Edwards E2M18 roughing pump using AVF Platinum pump oil Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 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 platinum 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; platinum sampling cone; platinum 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; rough pump oil, AVF Platinum, 1L.

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
M5145A	Configurable supplies kit for Agilent 9500 ICP-MS fitted with u- or m-lens
Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 2-stop, blue/orange, 2 x 12/pk); PFA sample tubing, 0.5 mm id, 1.6 mm od, 5 m; PFA sample tubing, 0.3 mm id, 1.6 mm od, 3 m; PTFE nut for 1.6 mm od tubing, 10/pk; front and back ferrule for 1.6 mm od tubing, 10/pk; online internal standard addition kit; drain tubing assembly; end cap for spray chamber; end cap retaining ring; tubing for drainage, 4.0 mm id, 2.5 m; Easy-fit quartz torch with 2.5 mm id injector; clamp, torch ball joint connector, 2/pk; carrier/make-up dilution gas tubing; graphite gasket for sampling cone, 3/pk; bayonet spring for interface chamber; polishing paper kit 5 sheets No. 400+1200; exhaust filter for MS40+ roughing pump; AVF Platinum oil, 1L for MS40+ roughing pump.	

Step 1: Choose your sampling cone

M5145A #100	Add nickel sampling cone for 9500, (bundles M5150-67000 with the kit)	Provides most economical operation. Suitable for most common applications
M5145A #101	Add nickel plated sampling cone for 9500, (bundles M5150-67001 with the kit)	For samples containing >0.5% HCl, or for UHMI operation above level 25
M5145A #102	Add platinum sampling cone for 9500, (bundles M5150-67002 with the kit)	Required when running HF digests or semiconductor samples
M5145A #103	Add nickel-plated, platinum tip sampling cone for 9500, (bundles M5150-67003 with the kit)	Recommended for HF digests with >0.5% HCl or high boiling point acids like sulfuric or phosphoric acids

Note: if you have selected a part from the pale blue rows in Step 1, the parts from the pale blue rows in Step 2 are the recommended options. Similarly, if you selected a part from the grey rows in Step 1, the parts in grey rows in Step 2 are the recommended options

Step 2: Choose your skimmer cone

M5145A #200	Add nickel skimmer cone for 9500 with u-lens, (bundles M5150-67005 with the kit)	Provides most economical operation. Suitable for most common applications
M5145A #200	Add platinum skimmer cone with copper base for 9500 with u-lens, (bundles M5150-67006 with the kit)	Recommended for the lowest LODs and for higher matrix samples (such as HF digested geological samples)
M5145A #202	Add platinum skimmer cone with nickel base for 9500 with u-lens, (bundles M5150-67007 with the kit)	Recommended for analysis of organic solvents
M5145A #203	Add nickel skimmer cone for 9500 with m-lens, (bundles G3666-67511 with the kit)	Provides lowest cost interface for applications where lowest LODs are not required
M5145A #204	Add platinum skimmer cone with nickel base for 9500 with m-lens, (bundles G3666-67501 with the kit)	Recommended for the lowest LODs when running semiconductor samples.

Step 3: Choose your quartz spray chamber

M5145A #300	Add UHMI quartz spray chamber and compatible supplies	Adds the quartz spray chamber for UHMI (M5150-67016), with its specific supplies (UHMI dilution nozzle; gas connector for dilution gas port; and PTFE blank plug for dilution port).
M5145A #301	Add quartz spray chamber with straight exit port	Adds the quartz spray chamber with straight exit port (M5150-67017) for applications that do not require UHMI.

Step 4: Choose your quartz connector tube

M5145A #400	Add straight quartz connector tube	Adds the straight quartz connector tube (M5150-67014), required for use with the UHMI quartz spray chamber.
M5145A #401	Add quartz connector tube with gas port and compatible supplies	Adds the quartz connector tube with gas port (M5150-67015), required for use with the quartz spray chamber with straight exit port. Includes its specific supplies (plug for dilution port; and gas connector for dilution gas port).

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 online.

Part Number	Description	
G1091A	For 8900 ICP-MS systems fitted with x- or s-lens	
	Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 2-stop, blue/orange, 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 platinum 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 Platinum oil, 1 L bottle	
Step 1: Choose your sampling cone		
G1091A #100	Add nickel sampling cone for 8900 (bundles G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
G1091A #101	Add nickel plated sampling cone for 8900 (bundles G3280-67061 with the kit)	For samples containing >0.5% HCl, or for (U)HMI operation with maximum aerosol dilution ratio
G1091A #102	Add platinum sampling cone for 8900 (bundles G3280-67036 with the kit)	Required when running HF digests or semiconductor samples
G1091A #103	Add platinum sampling cone (18 mm insert) for 8900 (bundles G3280-67056 with the kit)	Recommended for aqua regia digests
Note: If you have selected a part from the pale blue rows in step 1, the parts from the pale blue rows in steps 2 are the recommended options. Similarly, if you selected a part from the grey row in step 1, the parts from the grey rows in step 2 are the recommended options.		
Step 2: Choose your skimmer cone		
G1091A #200	Add nickel skimmer cone for 8900 with x-lens (bundles G8400-67200 with the kit)	Provides most economical operation. Suitable for most common applications
G1091A #201	Add platinum skimmer cone with copper base for 8900 with x-lens (bundles 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 platinum skimmer cone with nickel base for 8900 with x-lens (bundles G8400-67202 + G3666-60311 with the kit)	Recommended for analysis of organic solvents
G1091A #203	Add nickel skimmer cone for 8900 with s-lens (bundles G3666-67421 with the kit)	Provides lowest cost interface for applications where lowest LODs are not required
G1091A #204	Add platinum skimmer cone with copper base for 8900 with s-lens (bundles G3666-67401 with the kit)	Recommended for the lowest LODs when running semiconductor samples
G1091A #205	Add platinum skimmer cone with nickel base for 8900 with s-lens (bundles G3666-67411 with the kit)	Recommended for analysis of organic solvents
Step 3: Choose the correct sample and gas connectors and screw and spacer kit for your lens configuration		
G1091A #300	Includes: Unifit sample connector (G3266-80012); gas connector for nebulizer (G3266-80017); screw and spacer kit (G8400-67003); spray chamber with UHMI (G8400-67150); dilution nozzle, UHMI (G8400-67026); gas connector, dilution gas port (0100–2703); blankplug for dilution port, PTFE (G3666-20391)	Mandatory option for 8900 with x-lens configured for standard or advanced application
G1091A #301	Includes: carrier gas line connector (G1833-65583); screw and spacer kit (G3666-67038); spray chamber (without UHMI) (G3280-80008)	Mandatory option for 8900 with s-lens configured for semiconductor applications
Step 4: Choose the correct octopole assembly for your system		
G1091A #401	Includes: Octopole assembly without axial accelerator for 8900 (G3666-67046); screw/ spacer/O-ring for 8900 for cell without axial accelerator (G3666-67044); quartz connector tube straight (G3270-80025)	Mandatory option for 8900 with standard configuration (with ORS without axial acceleration)
G1091A #400	Includes: Octopole assembly with axial accelerator for 8900 (G3666-67045); screw/spacer/Oring for 8900 for cell with axial accelerator (G3666-67049); quartz connector tube, dilution, HMI kit (G3270-80024); plug for dilution port (G3280-20576); gas connector for dilution gas port (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 online.		

Part Number	Description	
M5141A	For Agilent 7800/7850 ICP-MS system fitted with x- lens	
	Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 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 platinum 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 Platinum, 1 L.	
Step 1: Choose your sampling cone		
M5141A #100	Add nickel sampling cone for 7800/7850, (bundles G3280-67040 with the kit)	Provides most economical operation. Suitable for most common applications
M5141A #101	Add nickel plated sampling cone for 7800/7850, (bundles G3280-67061 with the kit)	For samples containing >0.5% HCl, or for HMI operation with maximum aerosol dilution ratio
M5141A #102	Add platinum sampling cone for 7800/7850, (bundles G3280-67036 with the kit)	Required when running HF digests or semiconductor samples
M5141A #103	Add platinum sampling cone (18 mm insert) for 7800/7850, (bundles G3280-67056 with the kit)	Recommended for aqua regia digests
Note: If you have selected a part from the pale blue rows in step 1, the parts from the pale blue rows in steps 2 are the recommended options. Similarly, if you selected a part from the grey row in step 1, the parts from the grey rows in step 2 are the recommended options.		
Step 2: Choose your skimmer cone		
M5141A #200	Add nickel skimmer cone for 7800/7850 (bundles G3280-67041 with the kit)	Provides most economical operation. Suitable for most common applications
M5141A #201	Add platinum skimmer cone and brass skimmer base for 7800/7850 (bundles 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 platinum skimmer cone with nickel base and brass skimmer base for 7800/7850 (bundles G3280-67063 and G3280-60621 with the kit)	Recommended for analysis of organic solvents
Step 3: Choose your roughing pump oil mist filter		
M5141A #300	Add oil mist filter element for DS402 pump	Suits Agilent DS402 roughing pump
M5141A #301	Add oil mist filter element for MS40+	Suits Agilent MS40+ roughing pump
Step 4: Choose sample introduction system components according to your ICP-MS model (7800 or 7850)		
M5141A #402	Add 7800 ICP-MS specific parts	Adds sample introduction system components specific to the 7800 ICP-MS (spray chamber, HMI quartz transfer tube and HMI gas connector)
M5141A #403	Add 7850 ICP-MS specific parts	Adds sample introduction system components specific to the 7850 ICP-MS (UHMI spray chamber, straight quartz transfer tube and UHMI gas connector)
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 online.		

Part Number	Description
G1131A	For Agilent 7900 ICP-MS systems fitted with x- or s-lens
	Includes: Easy-fit peristaltic pump tubes for sample (Clear PVC, 2-stop, white/white, 2 x 12/pk), waste (Beige Thermoplastic elastomer, 3-stop, yellow/blue, 12/pk), internal standard (Clear PVC, 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 platinum 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

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 blue rows in step 1, the parts from the pale blue rows in steps 2 and 4 are the recommended options. Similarly, if you selected a part from the grey row in step 1, the parts from the grey rows in step 2 and 3 are the recommended options.

Step 2: Choose your sampling cone

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

Step 3: Choose your skimmer cone

G1131A #300	Add nickel skimmer cone for 7900 with x-lens (bundles G8400-67200 with the kit)	Provides most economical operation. Suitable for most common applications
G1131A #301	Add platinum skimmer cone with copper base and brass skimmer base for 7900 with x-lens (bundles 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 platinum skimmer cone with nickel base and brass skimmer base for 7900 with x-lens (bundles G8400-67202 and G8400-60625 with the kit)	Recommended for analysis of organic solvents
G1131A #303	Add platinum skimmer cone for 7900 with s-lens (bundles G3280-67064 with the kit)	Required when running HF digests or semiconductor samples
G1131A #304	Add nickel skimmer cone and stainless steel skimmer base for 7900 with s-lens (bundles G3280-67066 and G8400-60627 with the kit)	Provides lowest cost interface for applications where lowest LODs are not required

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

G1131A #402	Adds 2 packs AVF Platinum oil, 1 L, (X3760-64004)	Suits Agilent MS40+ roughing pump
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Agilent atomic spectroscopy portfolio: The value of knowing

Agilent has changed the atomic spectroscopy landscape. Remarkable innovations like the ICP-QQQ, 5900 SVDV ICP-OES, and the MP-AES technique have added even more application opportunities to those already offered by Agilent.

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