

# 7900/8900 ICP-MS with s-lens for Semi-conductor Applications

## Standard Configuration + Featured Supplies = Better Customer Experience

### Sample Introduction

- [G3139-65100](#) Nebulizer, MicroFlow, PFA, 200  $\mu$ L/min, 1/pk for 79/8900 with s-lens. For use without Agilent integrated autosampler (I-AS).
- [G3139-65102](#) Nebulizer, MicroFlow with I-AS probe, PFA, 200  $\mu$ L/min, 1/pk for 79/8900 with s-lens
- [G3280-80008](#) Spray chamber (quartz), non-UHMI, 1/pk for 79/8900 with s-lens

### Torches and Torch Box

- [G3280-80053](#) Torch, quartz, 2.5 mm id, 1/pk
- [G1833-65419](#) Long life Pt shield plate for ShieldTorch, 1/pk
- [G1833-65421](#) ShieldTorch bonnet, quartz, 1/pk
- [G3270-80024](#) Connector tube with dilution port for use with 7900/8900 with s-lens

### Peristaltic Pump Tubing

- [G1833-65569](#) Tygon tubing, 3-bridged, white/white tabs, 1.02 mm id, for pumping sample, 12/pk
- [G3280-67047](#) Tygon tubing, 2-bridged, blue/orange tabs, 0.25 mm id, flared ends, for pumping internal standard, 12/pk
- [G1833-65570](#) Ismaprene tubing, 3-bridged, yellow/blue tabs, 1.52 mm id, for pumping drain, 12/pk
- [G1820-65105](#) PFA sample tubing, 0.5 mm ID, 1.6 mm OD, 5 m for standard sample introduction.

### Vacuum Pump and Cooling System

- [X3760-64004](#) AVF Platinum pump oil for MS40+, 1L
- [G1960-80039](#) Filter, oil mist, for MS40+ pump, 1/pk
- [G3292-80012](#) Polyclear plus fluid, 2.5 gallons, for chiller.










### Interface

- [G3280-67036](#) Sampler cone, Platinum, 1/pk
- [G3280-67009](#) Graphite gasket for sampling cone, 3/pk
- **Skimmer cone, Platinum, with copper base, 1/pk.**
- [G3280-67064](#) for 7900
- [G3666-67401](#) for 8900
- **Extraction-Omega lens assembly**
- [G8400-67002](#) for 7900
- [G3666-67400](#) for 8900





The supplies listed above are the replacement supplies required for semi-conductor and advanced applications with standard aqueous workflow using systems with an s-lens. Please see the separate guide for alternate supplies recommended for customers using systems with an x-lens (for routine applications).

# Standard 7900/8900 ICP-MS with s-lens Workflow Supplies Recommendations

Part Number	Description	1st Purchasing Quantity Recommendation	Reasoning and Selling Points	Product Family	
<a href="#">5067-0296</a>	Platinum sampler cone care package	1	Comprises 2 sampler cones with supplies required for routine, plus a handy magnifier tool included at no extra cost. Required for routine maintenance to ensure proper cleaning/maintenance of the sampler cone, ensuring best sensitivity and long, stable operation. Magnifier tool included with the kit allows the user to inspect the condition of your sampler or skimmer cone/s.	ICP-MS Interface Cones & Supplies	
<a href="#">5190-9614</a>	Magnifier 10X, LED lit for ICP-MS cones	1	Magnifier, for inspection and measurement of the orifice of the interface cones. Provides 10X magnification with LED illumination, manual focus and +/- 15 mm scaled reticle with 0.1 mm divisions. Required for routine maintenance to ensure proper cleaning/maintenance of the sampler cone, ensuring best sensitivity and long, stable operation.	ICP-MS Interface Cones & Supplies	
<a href="#">G3280-67142</a>	ICP-MS sampler cone, Pt/Ni-plated, 1/pk.	1	Recommended for analysis of aggressive acids (especially HCl, HF, and HClO4) and for higher-matrix samples. When used with aggressive matrices such as 10% aqua regia, this cone extends lifetime by more than 2X and reduces cone maintenance with a simple water sonication cleaning routine that reduces cleaning frequency by more than 3X, compared to the standard Pt cone. Suitable for 7900/8900 ICP-MS. Use with platinum tip and nickel base skimmer cone. <b>(Strongly Recommended)</b>	ICP-MS Interface Cones & Supplies	
<a href="#">5188-5359</a>	Detergent for cleaning interface cones and lenses, 1 gallon	1	Concentrated Citranox solution to be diluted to 2% v/v with ultra-pure water for cleaning interface cones in ultrasonic bath.	ICP-MS Interface Cones & Supplies	
<a href="#">G4912-68001</a>	Inert sample introduction kit, 2.5 mm id platinum injector	1	Replaces standard sample introduction system with an inert system suitable for use with HF. Requires but does not include inert nebulizer (G3161-80000). Includes PFA end cap, spray chamber, connector tube, demountable torch and platinum injector.	ICP-MS Spray Chambers & Nebulizer Supplies	
<a href="#">G3139-65108</a>	Nebulizer, MicroFlow, PFA with I-AS probe, 20 to 50 µL/min, 1/pk	1	Low flow self-aspirating PFA concentric nebulizer for analysis of high purity and hydrofluoric acid samples. Can be used with integrated autosampler (I-AS), sample uptake tube terminates as a sampling probe.	ICP-MS Spray Chambers & Nebulizer Supplies	
<a href="#">CP17973</a>	Gas Clean carrier gas purifier, 1/pk	He gas only 1 pc He/H <sub>2</sub> gas 2 pcs	Replacement moisture and oxygen filter to be used for Helium and Hydrogen cell (ORS) gas lines	Gas Clean Gas Purifiers	
<a href="#">5190-0465</a>	Stock tuning solution, 100 mL	1	Used for tuning by dilution to 1 or 10 µg/L. Contains Li, Mg, Y, Ce, Tl and Co; 10 mg/L; matrix 2% HNO <sub>3</sub>	ICP-MS Tuning Solutions	
<a href="#">G6011B</a>	Quiet cover for MS40+ rotary pump	1	Recommended for MS40+ rotary pump used with 7900 & 8900. Features a sound-absorbing cabinet with resistant foam insulation to effectively reduces pump noise, while cushioned mounts minimize vibration.	Quiet Covers	



## Operating Supplies Kits for 7900/8900 ICP-MS

The configurable supplies kits listed below include the recommended options for standard instrument configurations to maintain up to 12 months routine operation.

Part Number	Description	1st Purchasing Quantity Recommendation	Reasoning and Selling Points	Product Family
G1131A #101 #202 #303 #402	Configurable supplies kit for 7900 ICP-MS with these options: s-lens mandatory option; Pt sampling cone for 7900; Pt skimmer cone for 7900 with s-lens; Oil for the roughing pump	1 of the kit and 1 of each option	Provides all the supplies required to keep a 7900 ICP-MS instrument running for up to 12 months (depending on use) without worrying about reordering supplies.	ICP-MS Instrument Supplies 
G1091A #102 #204 #301 #400	Configurable supplies kit for 8900 ICP-MS with these options: Pt sampling cone for 8900; Pt skimmer cone for 8900 with s-lens; S-lens mandatory option; Octopole for s-lens option	1 of the kit and 1 of each option	Provides all the supplies required to keep an 8900 ICP-MS instrument running for up to 12 months (depending on use) without worrying about reordering supplies.	ICP-MS Instrument Supplies 

If you need more guidance about the contents of the kit, and for further guidance on the alternative options available, please refer to [Operating Supplies Kits for Agilent ICP-MS Brochure](#) available here.

## I-AS Autosampler Workflow Supplies Recommendations (7900/8900 ICP-MS)

Part Number	Description	1st Purchasing Quantity Recommendation	Reasoning and Selling Points	Product Family
<a href="#">G3160-65327</a>	Peristaltic pump tubing set for pumping drain/uptake, Tygon with connectors, 5/pk.	1	Spare peristaltic pump tubing set with connectors for rinse pump on the I-AS autosampler.	I-AS Autosampler Supplies 
<a href="#">G3160-65307</a>	Rinse bottle, external, 100 mL, with caps, 6/pk	1	Rinse station bottles for I-AS autosampler.	I-AS Autosampler Supplies 
<a href="#">G3160-65328</a>	Drain tube to rinse + drain bottles I-AS, 2 pcs	1	Drain tubing, Tygon, from peristaltic pump to rinse bottle or drain bottle, for I-AS autosampler.	I-AS Autosampler Supplies
<a href="#">G3160-65320</a>	Rinse solution inlet/outlet tubing, I-AS	1	Tubing, rinse solution inlet/outlet for I-AS autosampler.	I-AS Autosampler Supplies

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Printed in the USA, July 24, 2020