

Need to Keep Your Lab Operational in the “New Normal”?

Recommended AAS consumables to keep your lab online and productive

Labs today are often operating with restricted access to meet strict social distancing requirements. If you are looking to keep your lab operational and striving to achieve optimal performance, Agilent is here to make sure you have everything you need, every step of the way.

With that in mind, Agilent technical experts have compiled a list of recommended products designed to:

- Help you keep your operations running as efficiently and productively as possible.
- List recommended supplies for different matrices to ensure you have the correct configuration for your analysis.
- Simplify installation and ensure your lab continues to produce reliable results.

It's all part of our commitment to helping your lab navigate its “new normal” in these unprecedented times.

Recommended Supplies for Flame AAS



Hollow Cathode Lamps









Select either single or multi-element coded lamps from the range available.

[See this link](#) and select lamps for the elements required.





Sample Introduction

- [9910093000](#): Nebulizer capillary kit
- [1610117390](#): Venturi for nebulizer, Mark 7, PEEK 1/pk
- [9910025700](#): Glass impact beads, 5/pk
- [9910093400](#): O-ring kit, for Mark 7 spray chamber used with aqueous samples
- [190034100](#): Mark 7 Flame Atomization System Operating Supplies Kit








General Flame AAS Supplies Recommendations (55/240/280 AAS)

Part Number	Product Description	Recommended Quantity	Description and Usage	Illustration of the Part
See this link and select lamps for the elements required.	Single or multi-element coded or uncoded lamps	1 for each element	Coded lamps are element coded for automatic recognition by the instrument, simplifying operation and eliminating the risk of time-consuming errors when changing the lamp position. Uncoded lamps provide economical operation. All Agilent lamps provide superb performance and are compatible with all Agilent AA systems.	
See this link and select lamps for the elements required* * Flame AAS instruments need the UltrAA lamp control module (pn G8445A) ordered with the system.	High Intensity UltrAA Lamps	1 for each element	UltrAA lamps are a comprehensive range of high intensity hollow cathode lamps that can replace conventional lamps for AA determinations. They lower detection limits for the most demanding AAS applications.	
210164100	Mark 7 nitrous oxide-acetylene burner, 1/pk	1	Produces a higher temperature flame to ensure atomization of highly refractory elements such as Al, Si, Mo, V and Ti.	
9910053900	Burner cleaning and alignment card, 100/pk	1	Required for routine maintenance to ensure proper cleaning of the burner ensuring best precision and long, stable operation.	
9910093600	Mixing paddles fluorinated Mark 7, 5/pk	1	Required for routine maintenance to ensure proper mixing of samples ensuring best precision and long, stable operation.	
110634490	Complete Mark 7 spray chamber assembly, aqueous, for use with aqueous solutions	1	Recommended as a spare to support routine operation with samples prepared in an aqueous matrix.	
110866890	Complete Mark 7 spray chamber assembly, organic, for use with organic solvents	1	Required for applications where samples are prepared in a non-aqueous (organic) matrix.	
9910093500	O-ring kit, for Mark 7 spray chamber used with organic solvents	1	Required for routine maintenance to ensure leak-free connections.	

Vapor Generation AAS Supplies Recommendations (55/240/280 AAS)

Part Number	Product Description	Recommended Quantity	Description and Usage	Illustration of the Part
9910040000	Hydride absorption cells, quartz, 2/pk	2	Required for atomization of the hydride vapor, ensuring optimum sensitivity and lowest noise.	
9910040700	Flow-through mercury absorption cell, single cell	1	Required for routine analysis of Hg using the cold vapor technique.	
9910062100	AA hydride module for VGA 77 Vapor Generation Accessory, 1/pk	1	Recommended to dedicate a module to Hg determinations to reduce cross contamination.	
3710027200	PVC peristaltic pump tubing for reagent, black/black tabs, 12/pk	1 of each	Required for routine operation as regular replacement of the pump tubing is recommended.	
3710027300	PVC peristaltic pump tubing for sample, purple/black tabs, 12/pk	1 of each	Required for routine operation as regular replacement of the pump tubing is recommended.	
190025200	VGA 77 Operating Supplies Kit	1	Required to support routine operation of the VGA 77.	
9910061900	Tubing and connector kit for VGA-77 1/pk	1	Required to support routine operation of the VGA 77.	

SPS 4 Autosampler Supplies Recommendations (Flame AAS)

Part Number	Product Description	Recommended Quantity	Description and Usage	Illustration of the Part
G8410-80103	SPS 4 probe 1.0 mm id with blue markers. Inert, FEP sleeved for SPS 4 autosampler, 1/pk	1	Required to support routine operation of the SPS 4 autosampler when used with flame AAS.	
3710049000	Peristaltic pump tubing for supply of rinse solution to the autosampler, PVC Solvaflex, 3-bridged, gray/gray black/black tabs, 12/pk	1	Required for routine operation as regular replacement of the pump tubing is recommended.	
6610025400	Sample rack for 16 mm od tubes, 60 positions	1	Additional sample racks are recommended to provide additional holding and storage capacity.	
6610026100	Rack overlay for 60-position sample rack Allows 13 mm od tubes to be used in 60-position rack	2 for each rack	Additional sample racks are recommended to provide additional holding and storage capacity.	
6610026600	Sample rack for 30 mm od tubes, 21 positions	1	Additional sample racks are recommended to provide additional holding and storage capacity.	
G8410-40000	Standards rack, 34 position, for SPS 4 autosampler	1	Additional standard rack for AA/MP-AES and ICP-OES autosampler configuration.	
190049700	Polypropylene sample tubes, 16 mm od, 125 mm height, 1000/pk	1	Sample tube recommended for use with the 60 position sample rack.	
190065200	Centrifuge tubes, screw-capped, 29 mm od, 50 mL polypropylene, 500/pk	1	Sample tube recommended for the 21 position sample rack.	

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