

## **Agilent 7700 Series ICP-MS Consumables List**


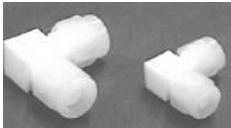

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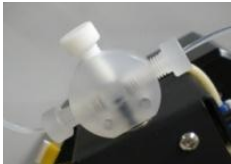
Note:

Part number marked “\*” means the common parts between 7500 and 7700.

### Gas Line Supplies

| Image   | Description   | Part No.     |
|---|---|--------------|
|  | Plasma/Aux. gas tubing (0.2m ea.) and Inner sleeve (4/pk) | G3280-67023  |
|  | Connectors for Plasma gas and Aux.gas (1 ea.)             | G1820-65027* |
|  | Carrier / Make-up / Dilution gas tubing (1 ea.)           | G3280-67022  |











### Sample Line Supplies

| Image   | Description  | Part No.     |
|---|--|--------------|
|  | Peristaltic pump tubing for sample<br>(3 stopper (white), id 1.02mm, 12/pk)                | G1833-65569* |
|   | Peristaltic pump tubing for ISTD<br>(Flared end, 2 stopper (Red/Orange), id 0.19mm, 12/pk) | G3280-67008* |
|   | Peristaltic pump tubing<br>(Flared end, 2 stopper (Blue/Orange), id 0.25mm, 12/pk)         | G3280-67047* |
|   | Peristaltic pump tubing for Drain<br>(PharMed, 3 stopper (Yellow/Blue), id 1.52mm, 12/pk)  | G1833-65570* |
|   | Peristaltic pump tubing for Drain<br>(Fluran, 3 stopper (Yellow/Blue), id 1.52mm, 1/pk)    | 5042-4799*   |
|   | Peristaltic pump tubing for sample<br>(Silicone, 3 stopper, id 1.02mm, 6/pk)               | G1820-65217* |
|  | Online ISTD addition kit   | G3280-60590  |




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|   |  |   |
|---|--|---|
|  | <p>Plug for Cross joint (3/pk)</p>   | <p>G3138-65129*</p>                                   |
|  | <p>Nut for Cross joint<br/>(for 1.6mm tubing, 10/pk)</p>   | <p>5064-8023*</p>                                     |
|  | <p>Front and Back Ferrule for Cross joint<br/>(for 1.6mm tubing, 10/pk)</p>  | <p>5064-8024*</p>                                     |
|  | <p>Sample tubing<br/>(PFA, id 0.5mm, od 1.6mm, 5m)</p>   | <p>G1820-65105*</p>                                   |
|   | <p>Sample tubing (PFA, id 0.3mm, od 1.6mm, 3m)<br/>Sample tubing (PFA, id 0.15mm, od 1.6mm, 700mm, 3/pk)<br/>Sample tubing (PFA, id 0.2mm, od 1.6mm, 700mm, 3/PK)</p>  | <p>G1820-65478*<br/>G1833-65572*<br/>G1833-65573*</p> |
|   | <p>Sample tubing with PEEK guide<br/>(PFA, id 0.15mm, 700mm, 5/pk)<br/>Sample tubing with PEEK guide<br/>(PFA, id 0.2mm, 700mm, 5/pk)<br/>Sample tubing with PEEK guide<br/>(PFA, id 0.3mm, 700mm, 5/pk)</p> | <p>G1820-65526*<br/>G1820-65527*<br/>G1820-65531*</p> |



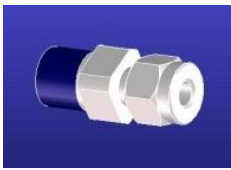


## Nebulizers and Supplies

| Image   | Description  | Part No.   |
|---|--|--|
|    | MicroMist nebulizer (Standard on the 7700x)<br>(Borosilicate glass, id 0.5mm)  | G3266-65003*   |
|    | Sample tubing for MicroMist nebulizer (id 0.25mm, 10/pk)<br>Sample tubing for MicroMist nebulizer (id 0.5mm, 10/pk)  | G3266-80010*<br>G3266-80011*                                 |
|    | Carrier gas connector for MicroMist nebulizer  | G3266-80015*   |
|    | Nebulizer cleaner for MicroMist nebulizer  | G3266-80020*   |
|    | Micro Flow Nebulizer (PFA, 200uL/min)<br>Micro Flow Nebulizer with I-AS probe (PFA, 200uL/min)<br>Micro Flow Nebulizer (PFA, 20-50 uL/min)<br>Micro Flow Nebulizer with I-AS probe (PFA, 20-50 uL/min) | G3139-65100*<br>G3139-65102*<br>G3139-65106*<br>G3139-65108* |
|  | Carrier gas line connector<br>(for Micro Flow Nebulizer, 2/pk)   | G1833-65583*   |
|  | Carrier gas line connector<br>(for Savillex nebulizer, 2/pk)   | 5064-8078*   |
|  | Mira Mist nebulizer (Teflon)<br>Mira Mist nebulizer (PEEK)   | G3161-80000*<br>G3161-80001*                                 |
|  | Concentric nebulizer (Quartz)<br>Concentric nebulizer (Pyrex)  | G1820-65138*<br>G1820-65030*                                 |
|  | Carrier gas line connector<br>(for concentric nebulizer)   | G1820-65052*   |

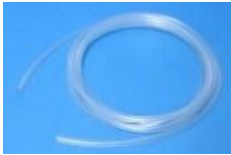


Agilent 7700 Series ICP-MS Consumables (Sept.15, 2009)

|   |   |              |
|---|---|--------------|
|  | Ferrule and O-ring for carrier gas line<br>(for concentric nebulizer)     | G1820-65533* |
|  | Sample line connector,<br>(for concentric nebulizer)                      | G1820-60160* |
|  | O-ring (2 types, 10/pk)<br>(for concentric nebulizer)                     | G1820-65491* |
|   | O-rings (3 types, 4/pk) for organic solvent<br>(for Concentric nebulizer) | G1820-65520* |




**Spray Chambers and Supplies**

| Image   | Description                          | Part No.    |
|---|--------------------------------------|-------------|
|   | Spray chamber (Quartz)               | G3280-80008 |
|  | End cap for Spray Chamber            | G3280-60008 |
|  | Connector for gas line at End cap    | 5042-4775   |
|  | End cap Nut for nebulizer connection | 0535-1082   |
|  | Spray chamber drain tubing assembly  | G3280-60555 |





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|   |  |              |
|---|--|--------------|
|  | Tubing for Drain (id 4mm, od 6mm, 2.5m)  | G1820-65515* |
|  | Drainage Tank (Polyethylene, 4 liter)    | 5042-4769*   |
|  | Drain Tank (with PVC connector, 1 liter) | G1820-65016* |
|   | Drain Tank for Organic Solvent (2 liter) | G1820-65505* |



**Torch and Components**

| Image   | Description  | Part No.                                  |
|---|--|---|
|  | Torch (Quartz, id 2.5mm)<br>Torch (Quartz, id 1.5mm)<br>Torch (Quartz, id 1.0mm) | G3280-80001<br>G3280-80004<br>G3280-80005 |
|  | Shield plate for ShieldTorch   | G1833-65419*                              |
|  | Bonnet for ShieldTorch   | G1833-65421*                              |



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|   |  |              |
|---|--|--------------|
|  | Work Coil                                  | G3280-60022  |
|   | Alignment Plate for Work Coil              | G1833-66011* |
|  | Connector tube with Dilution port (Quartz) | G3270-80024* |
|  | Connector tube (Straight, Quartz)          | G3270-80025* |
|  | Clamps (2/pk)                              | G1833-65430* |

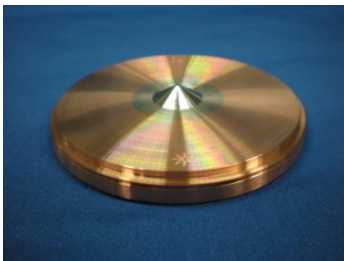
**PFA Inert Kit Supplies**

| Image   | Description  | Part No.   |
|---|--|--|
|   | PFA Inert kit (Sapphire, id 2.5mm)<br>PFA Inert kit (Pt., id 2.5mm)<br>PFA Inert kit (Sapphire, id 1.5mm)<br>PFA Inert kit (Pt., id 1.5mm)<br>Note: Connector tube is straight type. | G4912-68000<br>G4912-68001<br>G4912-68002<br>G4912-68003 |
|  | End cap for PFA Inert kit  | G3285-80020*   |
|   | Spray Chamber for PFA Inert kit  | G3285-80021*   |
|   | Drain tube for PFA Inert kit   | G4912-80014  |
|  | Connector tube (straight) for PFA Inert kit  | G3285-80024*   |

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|   |  |              |
|---|--|--------------|
|  | Connector tube with gas port for PFA Inert kit | G4912-80016  |
|  | Sapphire injector (id 2.5mm)                   | G3285-80034* |
|   | Platinum injector (id 2.5mm)                   | G3285-80035* |
|   | Sapphire injector (id 1.5 mm)                  | G4912-80010  |
|   | Platinum injector (id 1.5 mm)                  | G4912-80011  |
|   | Torch for PFA Inert kit                        | G4912-80012  |
|   | O-ring for PFA Inert kit (10/pk)               | G3285-80085* |

**Sampling and Skimmer cones**

| Image   | Description   | Part No.    |
|---|---|-------------|
|   | Ni Sampling cone (Standard for 7700x)               | G3280-67040 |
|   | Pt Sampling cone (Standard for 7700s)               | G3280-67036 |
|   | Ni plated Sampling cone                             | G3280-67061 |
|   | Pt Sampling cone (18mm insert)                      | G3280-67056 |
|  | Retaining ring for Sampling cone                    | G3280-20504 |
|   | Graphite gasket for Sampling cone (3/pk)            | G3280-67009 |
|  | Ni Skimmer for 7700x (Standard for 7700x)           | G3280-67041 |
|   | Pt Skimmer for 7700x                                | G3280-67060 |
|   | Pt Skimmer (Ni base) for 7700x                      | G3280-67063 |
|   | Ni Skimmer for 7700s                                | G3280-67066 |
|   | Pt Skimmer (Cu base) for 7700s (Standard for 7700s) | G3280-67064 |
|   | Pt Skimmer (Ni base) for 7700s                      | G3280-67065 |
|   | Cu Skimmer for 7700s                                | G3280-67067 |

Agilent 7700 Series ICP-MS Consumables (Sept.15, 2009)

|  |   |   |
|--|---|---|
|   | <p>Skimmer base (stainless steel) (Standard for 7700x)<br/>                 Skimmer base (brass) for 7700x</p> <p>Skimmer Base (brass) (Standard for 7700s)<br/>                 Skimmer Base (stainless steel) for 7700s</p> | <p>G3280-60608<br/>                 G3280-60621</p> <p>G1833-65590*<br/>                 G1833-65591*</p> |
|   | <p>Screws for Skimmer Base (4/pk)</p>   | <p>G1820-65435*</p>   |
|   | <p>Interface wrench for Sampling cone</p>   | <p>G3280-01507</p>  |
|   | <p>Interface wrench for Skimmer</p>   | <p>G3280-60502</p>  |
|  | <p>ICP-MS cone cleaning detergent (1 gallon)</p>  | <p>5188-5359*</p>   |

**Ion Lens System Components, Electron Multipliers**

| Image   | Description  | Part No.                    |
|---|--|-----------------------------|
|    | Extraction-Offset lens assy for 7700x<br>Extraction-Omega lenses assy. for 7700s | G3280-67039<br>G3280-67035  |
|   | Extraction lens 1 for 7700x<br>Extraction lens 1 for 7700s                       | G3280-60612<br>G1833-65592* |
|   | Extraction lens 2 for 7700x<br>Extraction lens 2 for 7700s                       | G3280-60613<br>G1833-65593* |
|   | Omega bias lens for 7700x<br>Omega bias lens for 7700s                           | G3280-01650<br>G3280-20646  |
|   | Omega lens for 7700x<br>Omega lens for 7700s                                     | G3280-60609<br>G3280-20653  |
|   | Screw and Spacer kit for x-lens<br>Screw and Spacer kit for s-lens               | G3280-67037<br>G3280-67038  |
|   | Reaction Cell Assembly   | G3280-60650                 |
|   | Octopole   | G3280-67045                 |
|   | Cell focus lens  | G3280-20633                 |
|   | Cell entrance lens   | G3280-20618                 |
|   | Cell exit lens   | G3280-20664                 |
|   | Screw/Spacer/O-ring for cell   | G3280-67044                 |
|  | Tubing for cell gas (1/PK)   | G3280-20663                 |
|   | Deflect lens   | G3280-20628                 |
|   | Plate bias   | G3280-60615                 |
|  | Electron multiplier  | 5190-0108                   |


### Rotary Pump and Vacuum System Supplies

| Image   | Description                                    | Part No.                 |
|---|--|--------------------------|
|    | Oil Mist Filter for E2M18                      | 3162-1056*               |
|    | Oil Element                                    | 1535-4970*               |
|   | Odor Element for filter for E2M18 (5/pk)       | 5063-9153*               |
|   | Rotary pump oil (1 L)<br>Rotary pump oil (4 L) | 6040-0834*<br>6040-0798* |
|  | O-Ring for Vacuum chamber (Viton)              | 5042-4790                |
|  | Manual vent valve                              | G3280-67046              |

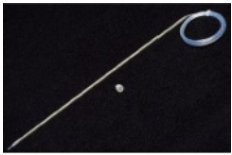
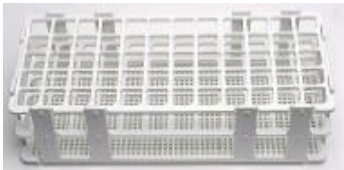




### Miscellaneous Supplies

| Image   | Description   | Part No.   |
|---|---|--|
|    | Polishing Paper Kit (#400/#1200, 5 ea.)   | G1833-65404*   |
|   | Alumina powder  | 8660-0791*   |
|    | Swab-cotton tipped both ends (100/pk)   | 9300-2574*   |
|    | Sample tray   | G3280-40103  |
|   | Plastic tubing cutter   | 8710-1930*   |
|  | Argon Humidifier for HMI  | G3270-80029*   |
|  | Ar gas filter<br>Ar gas filter for Semicon Applications   | G1820-80341*<br>5064-8092*                           |
|   | Regulator for Helium gas (stainless steel)<br>Regulator for Hydrogen gas (stainless steel)<br>Regulator for Argon gas (stainless steel)<br>Regulator for NH3/He gas (stainless steel) | 0101-1398*<br>0101-1399*<br>0101-1400*<br>5188-5374* |
|  | Strainer for cooling water  | G1833-66024*   |

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|   |  |              |
|---|--|--------------|
|  | Cooling water hose, 10m  | G1833-65429* |
|   | Poly-Clear fluid   | G3292-80010* |
|   | Fluid Filter (for G3292A Chiller)  | G3292-80109* |
|   | Air Filter (for G3292A Chiller)  | G3292-80112* |
|   | "O-ring for gas filters (8/pk, 4 each of 2 sizes)<br>for gas purification kit" | 5182-3423*   |
|   | Triple filter cartridge<br>for gas purification kit                            | 5182-9705*   |
|   | Guard column for As speciation   | G3154-65002* |
|   | As speciation column for Drinking water  | G3154-65001* |
|   | As speciation column for Urine   | G3288-80000* |
|   | LC Connection Kit  | G1833-65200* |
|   | Organic solvent introduction kit   | G3280-60580  |
|   | Basic consumables kit for 7700x  | G3280-67003  |
|   | Comprehensive spares for 7700x   | G3280-67004  |
|   | Comprehensive spares for 7700s   | G3280-67007  |

### ASX-500 Series Auto Sampler Supplies



| Image   | Description  | Part No.  |
|---|--|---|
|    | <p>Sample probe (id 0.8mm, red band)<br/>                     Sample probe (id 0.3mm, black band)<br/>                     Sample probe (id 0.5mm, blue band)<br/>                     Sample probe (carbon fiber, 0.8mmID, red band)<br/>                     Sample probe (carbon fiber, 0.3mmID, black band)<br/>                     Sample probe (carbon fiber, 0.5mmID, blue band)</p> | <p>G3286-80100*<br/>                     G3286-80101*<br/>                     G3286-80102*<br/>                     G3286-80110*<br/>                     G3286-80111*<br/>                     G3286-80112*</p> |
|    | <p>Sample rack (21 Position, 50mL vials)<br/>                     Sample rack (24 Position, 30mL vials)<br/>                     Sample rack (40 Position, 20mL vials)<br/>                     Sample rack (60 Position, 14mL vials)<br/>                     Sample rack (90 Position, 8mL vials)</p>  | <p>G3286-80103*<br/>                     G3286-80104*<br/>                     G3286-80105*<br/>                     G3286-80106*<br/>                     G3286-80107*</p>                                       |
|   | <p>Rinse / Drain tubing<br/>                     (id 3/16" x 72", id 1/8" x 84")</p>   | <p>G3286-80117*</p>   |
|  | <p>Tubing / connection kit for drain</p>   | <p>G3286-80118*</p>   |
|  | <p>Z-Axis Drive Assy<br/>                     Z-Axis Drive Assy for carbon fiber probes</p>  | <p>G3286-80200*<br/>                     G3286-80300*</p>   |
|  | <p>Rinse Station</p>   | <p>G3286-80224*</p>   |

### Integrated Autosampler (I-AS) Supplies

| Image   | Description   | Part No.   |
|---|---|--|
|    | Tray-A (Polypropilene, 89 position)<br>Tray-B (Polypropilene, 53 position)<br>Tray-C (Polypropilene, 18 position)<br>Tray-D (Polypropilene, 79x2mL, 10x18mL)<br>Tray-E (Polypropilene, 79x6mL, 10x18mL)<br>Tray-F (Polypropilene, 15 position)    | G3160-80060*<br>G3160-80061*<br>G3160-80062*<br>G3160-80063*<br>G3160-80064*<br>G3160-80065* |
|   | 6mL Vials for Tray-A and Tray-E (polypropylene, 200/pk)<br>18mL Vials for Tray-B,D,E (polypropylene, 55/pk)<br>50mL Vials for Tray-C (polypropylene, 20/pk)<br>2mL Vials for Tray-D (polyethylene, 200/pk)<br>1.5mL vials for Tray-D (PFA, 10/pk) | G3160-65303*<br>G3160-65304*<br>G3160-65305*<br>G3160-65315*<br>G3160-65317*                 |
|    | Rinse bottle (100ml, with caps, 6/pk)   | G3160-65307*   |
|  | I-AS Probe (id 0.3 mm), Standard probe for I-AS<br>I-AS Probe (id 0.8 mm)   | G3160-65306*<br>G3160-65324*   |
|  | Needle holder   | G3160-80041*   |
|  | Tubing holder (PEEK), for use without a sample probe  | G3160-65325*   |
|  | Peristaltic pump tubing set (Drain/Uptake, 1ea.)<br>Peristaltic pump tubing set (Drain/Uptake, 5ea.)  | G3160-65326*<br>G3160-65327*   |
|   | Drain tubing to rinse bottle and drain bottle (2/pk)  | G3160-65328*   |
|  | Tray Cover  | G3160-65321*   |

|   |                                       |              |
|---|---------------------------------------|--------------|
|  | Carry Holder for tray with tray cover | G3160-60015* |
|---|---------------------------------------|--------------|

**Integrated Sample Introduction System (ISIS) Supplies**

| Image   | Description   | Part No.    |
|---|---|-------------|
|   | Comprehensive spares for ISIS   | G4911-67001 |
|   | Preconfigured kit (Auto dilution)   | G4911-68201 |
|   | Preconfigured kit (Discrete sampling)   | G4911-68202 |
|   | Peristaltic pump tubing (3 stoppers, id 0.89mm, 12/pk)                                  | 5064-8014*  |
|   | ISIS Peristaltic pump tubing<br>(Flared end, 2 stopper (Blue/Orange), id 0.25mm, 12/pk) | G4911-67000 |
|   | ISIS Peristaltic pump tubing<br>(2 stoppers, id 1.02mm, 12/pk)                          | 5064-8028*  |
|   | ISIS Peristaltic pump tubing<br>(2 stoppers, id 2.29mm, 12/pk)                          | 5043-0010*  |
|  | Tubing adapter for peristaltic pump tubing (2/pk)                                       | 5064-8026*  |
|   | Tubing adapter for peristaltic pump tubing<br>(id 2.29mm, 1/pk)                         | G4911-20021 |
|   | Sample tubing (id 0.8mm, od 1.6mm, 5m)  | 5064-8016*  |
|   | Sample Tubing (id 2.0mm, od 3.0mm, 5m)  | 5064-8020*  |
|  | Joint holder for nebulizer pump   | G4911-01201 |

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|   |  |                          |
|---|--|--------------------------|
|    | Joint holder for ISIS Pump   | G3138-65103*             |
|    | T-joint with earth block   | G3280-67062              |
|    | T-joint<br>Cross joint   | 5064-8017*<br>5064-8018* |
|    | Union joint  | 5064-8019*               |
|  | Nut for tubing od 3mm (10/pk)<br>Nut for tubing od 1.6mm (10/pk)                                       | 5064-8021*<br>5064-8023* |
|  | Front and Back ferrule for tubing od 3mm (10/pk)<br>Front and Back ferrule for tubing od 1.6mm (10/pk) | 5064-8022*<br>5064-8024* |
|  | Sample Loop (100uL)  | G3138-65122*             |
|  | Nut for Valve (6/pk)   | G3138-65118*             |
|  | Ferrule for Valve (6/pk)   | G3138-65119*             |

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|   |  |              |
|---|--|--------------|
|    | Wrench for Valve maintenance           | 5064-8032*   |
|    | Rotor seal for Valve                   | G3138-65117* |
|    | Mixer                                  | G3138-65121* |
|   | Tubing clamp (Small 10/pk, Large 5/pk) | 5064-8027*   |
|   | Spiral tubing (5m)                     | 5064-8029*   |
|  | Tag for tubing identification (10/pk)  | 5064-8033*   |
|   | APG remote cable                       | 5182-2581*   |
|   | ISIS Tray                              | G4911-60011  |

### ISIS Hydride Generation Accessory Supplies

| Image   | Description                 | Part No.     |
|---|-----------------------------|--------------|
|    | Gas/Liquid separator set    | G3138-65130* |
|    | Gas chamber of separator    | G3138-65131* |
|    | O-ring for filter           | G3138-65132* |
|  | Membrane filter (10/pk)     | G3138-65137* |
|  | Separator holder            | G3138-65133* |
|  | Concentric nebulizer        | G3138-65134* |
|   | O-ring for nebulizer (2/pk) | G3138-65135* |

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|   |  |              |
|---|--|--------------|
|    | Cyclone chamber  | G3138-65136* |
|   | ISIS Peristaltic pump tubing<br>(PherMed, 2 stoppers, id 2.54mm, 6/pk) | G3138-65128* |
|   | Tubing for gas line (id 3mm, od 4mm, 5m)                               | G3138-65138* |
|    | Plug for Cross joint (3/pk)  | G3138-65129* |
|   | Reducing union connector (8mm x 4mm)                                   | G3138-65144* |
|  | Reducing union connector (6mm x 3mm)                                   | G3138-65139* |
|  | Reducing union connector (6mm x 4mm)                                   | G3138-65140* |
|   | Plug for Carrier gas connector (od 4mm, 3/pk)                          | G3138-65141* |
|  | Y Connector for Pump tubing (id 2.5mm, 5/pk)                           | G3138-65143* |

**ICP-MS Standards**

| <b>Image</b> | <b>Description</b>   | <b>Part No.</b> |
|--------------|--|-----------------|
|              | Stock Tuning Solution,<br>Li, Y, Ce, Tl, Co; 10 mg/L; 2% HNO <sub>3</sub> ; 100 mL     | 5188-6564*      |
|              | Stock Tuning Solution,<br>Li, Mg, Y, Ce, Tl, Co; 10 mg/L; 2% HNO <sub>3</sub> ; 100 mL | 5190-0465*      |
|              | Tuning Solution,<br>Li, Mg, Y, Ce, Tl, Co; 1 µg/L; 2% HNO <sub>3</sub> ; 2 x 500 mL    | 5185-5959*      |
|              | P/A tuning solution set  | 5188-6524*      |
|              | ICP-MS Checkout solutions for 7500cx/cs, 7700x/s                                       | 5185-5850*      |
|              | Internal standard mix  | 5183-4681*      |
|              | Internal standard mix  | 5188-6525*      |
|              | Initial calibration verification   | 5183-4682*      |
|              | 6020 Interference check solution A, 100ml  | 5188-6526*      |
|              | 6020 Interference check solution B, 100ml  | 5188-6527*      |
|              | Environmental spike mix  | 5183-4687*      |
|              | Environmental calibration standard   | 5183-4688*      |
|              | Bismuth internal standard stock solution   | 8500-6936*      |
|              | Mercury calibration standard   | 8500-6941*      |
|              | Multi-Element calibration standard-1   | 8500-6944*      |
|              | Multi-Element calibration standard-2A  | 8500-6940*      |
|              | Multi-Element calibration standard-3   | 8500-6948*      |
|              | Multi-Element calibration standard-4   | 8500-6942*      |
|              | Rhodium internal standard stock solution   | 8500-6945*      |
|              | Indium internal standard stock solution  | 8500-6946*      |
|              | Cobalt internal standard stock solution  | 8500-6947*      |
|              | Gold tuning solution   | 8500-7000*      |

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