

Alternate Source ICP Standards



Merck

Agilent

Jobin Yvon

Perkin Elmer

Teledyne



AccuStandard®

ICP Alternate Source

**Instrument Manufactures are experts in instruments.
AccuStandard is expert in analytical reference standards.**

- **More Economical**
- **Identical Formulations**
- **Same Day Shipping**
- **Manufactured by AccuStandard**

AccuStandard has added these multi-element solutions to our wide range of Inorganic reference materials. All solutions are manufactured under the guidelines of our ISO/IEC 17025 and ISO Guide 34 quality systems.

Our years of experience have earned us the reputation of producing Inorganic reference materials of superior quality. We use the highest purity raw materials available, including trace metals grade acids, 18 megohm ASTM Type I deionized water, and typically 99.999% starting materials to minimize impurities in the final solution. Bottles are acid leached and triple rinsed with deionized water prior to use. All solutions are subject to our rigorous quality control and given an expiration period of 24 months from the date certified. Product is not sold with less 13 months remaining on its expiration.

AccuStandard is the expert in analytical reference standards. Our ICP Alternate Source Standards offer a high quality and economically priced alternative to the solutions offered by instrument manufacturers. We have the technical expertise to provide unmatched product support and, of course, offer the best customer service in the standards business.



Traceability

Standards are traceable to NIST SRMs by ICP and/or wet chemical assay.

Certification and Accreditation

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

Custom Formulations

AccuStandard offers over two hundred multi-element solutions for ICP and ICP/MS between our Alternate Source and traditional line of standards featured in our main catalog. We find that these solutions fit the majority of our customer's needs. Should you require a formulation not found in this brochure or our main catalog, we have the expertise to prepare custom solutions to meet your requirements. Save time and costs by allowing our team of experienced chemists prepare solutions designed for your specific applications. Custom formulations are manufactured under the guidelines of our ISO 17025 and Guide 34 quality systems and use the same high purity materials as our catalog products. All products are subjected to the same quality control testing as our catalog products and are provided with a certificate of analysis. Product is typically packaged in 100 mL and 500 mL bottles for easy storage and shipping. Bulk quantities of these packaging options are available.

Cover Photo

ICP Perkin Elmer Optima 5300DV, Plasma Yttrium at 1000 ppm



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All of these calibration and testing standards have been carefully formulated to be used for specific instrument setup and verification.

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1.15474	MES-01	2	N9300202	PE-MCS3	10	N9303836	PE-MEM2	10
1.15626	MES-03	2	N9300203	PE-MCS4	10	N9303839	PE-SPIKE1	11
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6610030000	AG-WAVECAL-10X	4	N9300231	PE-MECAL1	10			
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Additional Alternate Source ICP standards are available. Ask us about solutions not found in this brochure.



ICP Alternate Source

Merck

AccuStandard has received many requests for the following multi-element standards. We offer our own version of these popular mixes offered by Merck. Products are made to the same specifications as other mixes in our product line and subject to the same rigorous quality control.

AccuStandard equivalent of Merck Multi-Element Standards

ICP Multi-Element Standard Solution I

MES-01-1	100 mL
MES-01-5	500 mL
At stated conc. (µg/mL) in 1 mol/L HNO ₃	
19 comps.	
Ag (Silver)	50
Al (Aluminum)	100
B (Boron)	15
Ba (Barium)	5
Be (Beryllium)	1
Bi (Bismuth)	200
Cd (Cadmium)	20
Co (Cobalt)	20
Cr (Chromium)	25
Cu (Copper)	20
Fe (Iron)	15
Ga (Gallium)	150
In (Indium)	200
Mn (Manganese)	5
Ni (Nickel)	50
Pb (Lead)	200
Sr (Strontium)	1
Tl (Thallium)	400
Zn (Zinc)	20

ICP Multi-Element Standard Solution II

MES-02-1	100 mL
MES-02-5	500 mL
At stated conc. (µg/mL) in 1 mol/L HNO ₃	
3 comps.	
Li (Lithium)	250
K (Potassium)	10,000
Na (Sodium)	1000

ICP Multi-Element Standard Solution III

MES-03-1	100 mL
MES-03-5	500 mL
1000 µg/mL each in 1 mol/L HNO ₃	
4 comps.	
Ba (Barium)	Mg (Magnesium)
Ca (Calcium)	Sr (Strontium)

ICP Multi-Element Standard Solution IV

MES-04-1	100 mL
MES-04-5	500 mL
1000 µg/mL each in 1 mol/L HNO ₃	
23 comps.	

Ag (Silver)	In (Indium)
Al (Aluminum)	K (Potassium)
B (Boron)	Li (Lithium)
Ba (Barium)	Mg (Magnesium)
Bi (Bismuth)	Mn (Manganese)
Ca (Calcium)	Na (Sodium)
Cd (Cadmium)	Ni (Nickel)
Co (Cobalt)	Pb (Lead)
Cr (Chromium)	Sr (Strontium)
Cu (Copper)	Tl (Thallium)
Fe (Iron)	Zn (Zinc)
Ga (Gallium)	

ICP Multi-Element Standard Solution V

MES-05-1-SET	2x100 mL
MES-05-5-SET	2x500 mL
At stated conc. (µg/mL) in 2-10% HCl	
26 comps.	

MES-05	
Al (Aluminum)	20
As (Arsenic)	20
B (Boron)	2
Ba (Barium)	2
Be (Beryllium)	1
Ca (Calcium)	10
Cd (Cadmium)	2
Cr (Chromium)	2
Cu (Copper)	2
Fe (Iron)	2
K (Potassium)	100
Li (Lithium)	2
Mg (Magnesium)	1
Mn (Manganese)	1
Na (Sodium)	20
Ni (Nickel)	5
P (Phosphorus)	10
Pb (Lead)	20
Sc (Scandium)	1
Se (Selenium)	20
Sr (Strontium)	1
Te (Tellurium)	20
Ti (Titanium)	2
Y (Yttrium)	1
Zn (Zinc)	2

MES-05-HG	
5% HNO ₃	
Hg (Mercury)	5

Supplied separately for better stability

ICP Multi-Element Standard Solution VII

MES-07-1 ▼	100 mL
MES-07-5 ▼	500 mL
100 µg/mL each in Water tr. HNO ₃	
9 comps.	

NH ₄ (Ammonium)	Mn (Manganese)
Ba (Barium)	Na (Sodium)
Ca (Calcium)	Sr (Strontium)
K (Potassium)	
Li (Lithium)	
Mg (Magnesium)	

ICP Multi-Element Standard Solution VI for MS

MES-06-1-SET	100 mL
MES-06-5-SET	500 mL
At stated conc. (µg/mL) in 1 mol/L HNO ₃ tr. HF	
30 comps.	

Ag (Silver)	10
Al (Aluminum)	10
As (Arsenic)	100
B (Boron)	100
Ba (Barium)	10
Be (Beryllium)	100
Bi (Bismuth)	10
Ca (Calcium)	1000
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Fe (Iron)	100
Ga (Gallium)	10
K (Potassium)	10
Li (Lithium)	10
Mg (Magnesium)	10
Mn (Manganese)	10
Mo (Molybdenum)	10
Na (Sodium)	10
Ni (Nickel)	10
Pb (Lead)	10
Rb (Rubidium)	10
Se (Selenium)	100
Sr (Strontium)	10
Tl (Thallium)	10
U (Uranium)	10
V (Vanadium)	10
Zn (Zinc)	100

MES-06-TE	
Te (Tellurium)	10

Supplied separately for better stability in 10% HCl

ICP Multi-Element Standard Solution VIII

MES-08-1-SET	2x100 mL
MES-08-5-SET	2x500 mL
100 µg/mL each in 1 mol/L HNO ₃	
24 comps.	

MES-08	
Al (Aluminum)	K (Potassium)
B (Boron)	Li (Lithium)
Ba (Barium)	Mg (Magnesium)
Be (Beryllium)	Mn (Manganese)
Bi (Bismuth)	Na (Sodium)
Ca (Calcium)	Ni (Nickel)
Cd (Cadmium)	Pb (Lead)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cu (Copper)	Tl (Thallium)
Fe (Iron)	Zn (Zinc)
Ga (Gallium)	

MES-08-TE	
10% HCl	
Te (Tellurium)	

Supplied separately for better stability

ICP Multi-Element Standard Solution IX

MES-09-1-SET	2x100 mL
MES-09-5-SET	2x500 mL
100 µg/mL each in 1 mol/L HNO ₃	
8 comps.	

MES-09	
As (Arsenic)	Ni (Nickel)
Be (Beryllium)	Se (Selenium)
Pb (Lead)	Tl (Thallium)
Cr (Chromium)	

MES-09-HG	
Hg (Mercury)	

Supplied separately for better stability.

ICP Multi-Element Standard Solution X

MES-10-1	100 mL
MES-10-5	500 mL
At stated conc. (µg/mL) in 1 mol/L HNO ₃	
23 comps.	

Ca (Calcium)	3500
Mg (Magnesium)	1500
Na (Sodium)	800
K (Potassium)	300
B (Boron)	10
Fe (Iron)	10
Mo (Molybdenum)	10
Sr (Strontium)	10
As (Arsenic)	5
Ba (Barium)	5
Ni (Nickel)	5
V (Vanadium)	5
Zn (Zinc)	5
Mn (Manganese)	3
Co (Cobalt)	2.5
Pb (Lead)	2.5
Be (Beryllium)	2
Cd (Cadmium)	2
Cr (Chromium)	2
Cu (Copper)	2
Bi (Bismuth)	1
Se (Selenium)	1
Tl (Thallium)	1

Supplied at a 1:10 dilution for better long-term stability.

ICP Multi-Element Standard Solution XI

MES-11-1-SET	2x100 mL
MES-11-5-SET	2x500 mL
At stated conc. (µg/mL) in 1 mol/L HNO ₃	
6 comps.	

MES-11	
Cd (Cadmium)	10
Cr (Chromium)	900
Cu (Copper)	800
Ni (Nickel)	200
Pb (Lead)	900
Zn (Zinc)	2500

MES-11-HG	
Hg (Mercury)	8

Supplied separately for better product stability

▼ Hazardous fee not required.



AccuStandard equivalent of Merck Multi-Element Standards

ICP Multi-Element

Standard Solution XII

MES-12-1-SET 2x100 mL
MES-12-5-SET 2x500 mL
 1000 µg/mL each in 5% HCl tr. HNO₃
 7 comps.

MES-12-R1

As (Arsenic) Si (Silicon)
 Mo (Molybdenum) W (Tungsten)
 P (Phosphorus) V (Vanadium)
 S (Sulfur)

MES-12-ZR

Zr (Zirconium)
 Supplied separately for better product stability

ICP Multi-Element

Standard Solution XIII

MES-13-1-SET 2x100 mL
MES-13-5-SET 2x500 mL
 At stated conc. (µg/mL) in 5% HNO₃
 15 comps.

MES-13

Al (Aluminum) 500
 As (Arsenic) 100
 Be (Beryllium) 100
 Cd (Cadmium) 25
 Co (Cobalt) 100
 Cr (Chromium) 100
 Cu (Copper) 100
 Fe (Iron) 100
 Mn (Manganese) 100
 Ni (Nickel) 100
 Pb (Lead) 100
 Se (Selenium) 25
 V (Vanadium) 250
 Zn (Zinc) 100

MES-13-HG

Hg (Mercury) 5
 Supplied separately for better stability

ICP Multi-Element

Standard Solution XIV

MES-14-1 100 mL
MES-14-5 500 mL
 At stated conc. (µg/mL) in 2% HCl tr. HNO₃
 11 comps.

P (Phosphorus) 100
 S (Sulfur) 100
 K (Potassium) 100
 As (Arsenic) 20
 La (Lanthanum) 20
 Li (Lithium) 20
 Mo (Molybdenum) 20
 Mn (Manganese) 20
 Ni (Nickel) 20
 Sc (Scandium) 20
 Na (Sodium) 20

ICP Multi-Element

Standard Solution XV

MES-15-1 100 mL
MES-15-5 500 mL
 At stated conc. (µg/mL) in 2% HNO₃
 8 comps.

Element	µg/mL
Ba (Barium)	1
Ca (Calcium)	1
K (Potassium)	50
La (Lanthanum)	10
Li (Lithium)	10
Mn (Manganese)	10
Na (Sodium)	10
Sr (Strontium)	10

ICP Multi-Element

Standard Solution XVI

MES-16-1 100 mL
MES-16-5 500 mL
 100 µg/mL each in 5% HNO₃ tr. HF
 21 comps.

Sb (Antimony)	Mg (Magnesium)
As (Arsenic)	Mn (Manganese)
Be (Beryllium)	Mo (Molybdenum)
Cd (Cadmium)	Ni (Nickel)
Ca (Calcium)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Co (Cobalt)	Tl (Thallium)
Cu (Copper)	Ti (Titanium)
Fe (Iron)	V (Vanadium)
Pb (Lead)	Zn (Zinc)
Li (Lithium)	

ICP Multi-Element

Standard Solution XVII

MES-17-1 100 mL
MES-17-5 500 mL
 100 µg/mL each in 15% HCl tr. HNO₃
 7 comps.

Hf (Hafnium)	Ta (Tantalum)
Ir (Iridium)	Ti (Titanium)
Sb (Antimony)	Zr (Zirconium)
Sn (Tin)	

ICP Multi-Element

GF AAS

Standard Solution XVIII

MES-18-R1-1 100 mL
MES-18-R1-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃
 16 comps.

Ag (Silver)	10
Al (Aluminum)	100
As (Arsenic)	100
Ba (Barium)	50
Be (Beryllium)	5
Cd (Cadmium)	5
Co (Cobalt)	50
Cr (Chromium)	20
Cu (Copper)	50
Fe (Iron)	20
Mn (Manganese)	20
Ni (Nickel)	50
Pb (Lead)	100
Sb (Antimony)	100
Se (Selenium)	100
Tl (Thallium)	100

ICP Multi-Element

Standard Solution XIX

MES-19-1 100 mL
MES-19-5 500 mL
 1 µg/mL each in 1% HNO₃
 5 comps.

Be (Beryllium)	Tl (Thallium)
Co (Cobalt)	U (Uranium)
In (Indium)	

Supplied as a 10X concentrate for better stability.

ICP Multi-Element

Standard Solution XX

MES-20-1 100 mL
MES-20-5 500 mL
 1 µg/mL each in 1% HNO₃ tr. HCl
 11 comps.

Mg (Magnesium)	Tl (Thallium)
Cu (Copper)	Ce (Cerium)
Cd (Cadmium)	Ge (Germanium)
Pb (Lead)	Tb (Terbium)
Sc (Scandium)	Ba (Barium)
Rh (Rhodium)	

Supplied as a 10X concentrate for better stability.

ICP Multi-Element

Standard Solution XXI

MES-21-1-SET 2x100 mL
MES-21-5-SET 2x500 mL
 10 µg/mL each in 5% HNO₃
 30 comps.

MES-21	In (Indium)
Ag (Silver)	K (Potassium)
Al (Aluminum)	Li (Lithium)
As (Arsenic)	Mg (Magnesium)
Ba (Barium)	Mn (Manganese)
Be (Beryllium)	Na (Sodium)
Bi (Bismuth)	Ni (Nickel)
Ca (Calcium)	Pb (Lead)
Cd (Cadmium)	Rb (Rubidium)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cs (Cesium)	Tl (Thallium)
Cu (Copper)	V (Vanadium)
Fe (Iron)	U (Uranium)
Ga (Gallium)	Zn (Zinc)

MES-21-HG

Hg (Mercury) 10
 Supplied separately for better product stability

ICP Multi-Element

Standard Solution XXII

MES-22-1 100 mL
MES-22-5 500 mL
 2 µg/mL each in 2% HNO₃ tr. HCl
 5 comps.

Cd (Cadmium)	Pb (Lead)
Cu (Copper)	Rh (Rhodium)
Mg (Magnesium)	

Supplied as a 10X concentrate for better stability.

ICP Multi-Element

Standard Solution XXIII

MES-23-1 100 mL
MES-23-5 500 mL
 1 µg/mL each in 5% HNO₃
 15 comps.

Ba (Barium)	Lu (Lutetium)
B (Boron)	Na (Sodium)
Co (Cobalt)	Rh (Rhodium)
Fe (Iron)	Sc (Scandium)
Ga (Gallium)	Tl (Thallium)
In (Indium)	U (Uranium)
K (Potassium)	Y (Yttrium)
Li (Lithium)	

ICP Multi-Element

Standard Solution XXIV

MES-24-1 100 mL
MES-24-5 500 mL
 At stated conc. (µg/mL) in 1% HNO₃
 15 comps.

Al (Aluminum)	50
As (Arsenic)	50
Ba (Barium)	50
Cd (Cadmium)	50
Co (Cobalt)	50
Cr (Chromium)	50
Cu (Copper)	50
K (Potassium)	500
Mn (Manganese)	50
Mo (Molybdenum)	50
Ni (Nickel)	50
Pb (Lead)	50
Se (Selenium)	50
Sr (Strontium)	50
Zn (Zinc)	50

AccuStandard is not affiliated with the companies and brands on these pages. The brands and company names appear for the purpose of cross reference with the corresponding AccuStandard products.



ICP Alternate Source

Agilent

AccuStandard equivalent of Agilent Solutions

ICP-OES Wavelength Calibration Solution

AG-WAVECAL-ASL-1	100 mL
AG-WAVECAL-ASL-5	500 mL
AG-WAVECAL-ASL-10X-1	100 mL
AG-WAVECAL-ASL-10X-5	500 mL
At stated conc. (µg/mL) in 1% HNO ₃	15 comps.

	CAL	CAL-10X
Al (Aluminum)	5	50
As (Arsenic)	5	50
Ba (Barium)	5	50
Cd (Cadmium)	5	50
Co (Cobalt)	5	50
Cr (Chromium)	5	50
Cu (Copper)	5	50
Mn (Manganese)	5	50
Mo (Molybdenum)	5	50
Ni (Nickel)	5	50
Pb (Lead)	5	50
Se (Selenium)	5	50
Sr (Strontium)	5	50
Zn (Zinc)	5	50
K (Potassium)	50	500

ICP/MS Stock Tuning Solution

AG-TUNSTOCK-ASL-1	100 mL
AG-TUNSTOCK-ASL-5	500 mL
10 µg/mL in 2% HNO ₃	5 comps.

- Li (Lithium)
- Y (Yttrium)
- Ce (Cerium)
- Tl (Thallium)
- Co (Cobalt)

ICP/MS Stock Tuning Solution

AG-TUNSTOCK1-ASL-1	100 mL
AG-TUNSTOCK1-ASL-5	500 mL
10 µg/mL in 2% HNO ₃	6 comps.

- Li (Lithium)
- Mg (Magnesium)
- Y (Yttrium)
- Ce (Cerium)
- Tl (Thallium)
- Co (Cobalt)

Internal Standard Mix for ICP/MS

AG-INTSTD-ASL-1	100 mL
AG-INTSTD-ASL-5	500 mL
100 µg/mL in 10% HNO ₃ , tr. HCl	8 comps.

- Li-6 (Lithium-6)
- Sc (Scandium)
- Ge (Germanium)
- Rh (Rhodium)
- In (Indium)
- Tb (Terbium)
- Lu (Lutetium)
- Bi (Bismuth)

7500 Series PA Tuning 1

AG-TUN1-ASL-1	100 mL
AG-TUN1-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃	26 comps.

Zn (Zinc)	20
Be (Beryllium)	20
Cd (Cadmium)	20
As (Arsenic)	20
Ni (Nickel)	10
Pb (Lead)	10
Mg (Magnesium)	10
Tl (Thallium)	5
Na (Sodium)	5
Al (Aluminum)	5
U (Uranium)	5
Cu (Copper)	5
Th (Thorium)	5
Ba (Barium)	5
Co (Cobalt)	5
Sr (Strontium)	5
V (Vanadium)	5
Cr (Chromium)	5
Mn (Manganese)	5
Li-6 (Lithium-6)	5
Sc (Scandium)	5
In (Indium)	5
Lu (Lutetium)	5
Bi (Bismuth)	5
Y (Yttrium)	2.5
Yb (Ytterbium)	2.5

7500 Series PA Tuning 2

AG-TUN2-ASL-1	100 mL
AG-TUN2-ASL-5	500 mL
At stated conc. (µg/mL) in 10% HCl, 1% HNO ₃ tr. HF	8 comps.

Mo (Molybdenum)	10
Sb (Antimony)	10
Sn (Tin)	10
Ge (Germanium)	10
Ru (Ruthenium)	10
Pd (Palladium)	10
Ti (Titanium)	5
Ir (Iridium)	5

PA Tuning Solution Sets

AG-TUN-ASL-1-SET 2 x 100 mL

AG-TUN1-ASL-1 AG-TUN2-ASL-1

AG-TUN-ASL-5-SET 2 x 500 mL

AG-TUN1-ASL-5 AG-TUN2-ASL-5

ICP/MS Tuning Solution

VAR-TUN-ASL-1	100 mL
VAR-TUN-ASL-5	500 mL
10 µg/mL each in 2-5% HNO ₃	8 comps.

Be (Beryllium)	Pb (Lead)
Mg (Magnesium)	Th (Thorium)
Co (Cobalt)	Ba (Barium)
In (Indium)	Ce (Cerium)

Environmental Spike Mix

AG-SPIKE-ASL-R1-1	100 mL
AG-SPIKE-ASL-R1-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. HF	24 comps.

Ca (Calcium)	1000
Fe (Iron)	1000
K (Potassium)	1000
Mg (Magnesium)	1000
Na (Sodium)	1000
Ag (Silver)	100
Al (Aluminum)	100
As (Arsenic)	100
Ba (Barium)	100
Be (Beryllium)	100
Cd (Cadmium)	100
Co (Cobalt)	100
Cr (Chromium)	100
Cu (Copper)	100
Mn (Manganese)	100
Mo (Molybdenum)	100
Ni (Nickel)	100
Pb (Lead)	100
Sb (Antimony)	100
Se (Selenium)	100
Tl (Thallium)	100
U (Uranium)	100
V (Vanadium)	100
Zn (Zinc)	100

Environmental Initial Calibration Verification

AG-VER1-ASL-R1-1	100 mL
AG-VER1-ASL-R1-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃	26 comps.

Ca (Calcium)	1000
Fe (Iron)	1000
K (Potassium)	1000
Mg (Magnesium)	1000
Na (Sodium)	1000
Sr (Strontium)	100
Ag (Silver)	10
Al (Aluminum)	10
As (Arsenic)	10
Ba (Barium)	10
Be (Beryllium)	10
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Mn (Manganese)	10
Mo (Molybdenum)	10
Ni (Nickel)	10
Pb (Lead)	10
Sb (Antimony)	10
Se (Selenium)	10
Tl (Thallium)	10
U (Uranium)	10
V (Vanadium)	10
Zn (Zinc)	10
Th (Thorium)	10

Save up to 50%

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AccuStandard equivalent of Agilent Solutions

INTF-A Quality Control Standard

AG-INTFA-ASL-1 100 mL
 AG-INTFA-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ 4 comps.

Al (Aluminum)	5000
Ca (Calcium)	5000
Mg (Magnesium)	5000
Fe (Iron)	2000



ICV-7 Quality Control Standard

AG-ICV7-ASL-1 100 mL
 AG-ICV7-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ 22 comps.

Ca (Calcium)	5000
Mg (Magnesium)	5000
K (Potassium)	5000
Na (Sodium)	5000
Al (Aluminum)	200
Ba (Barium)	200
Fe (Iron)	100
Sb (Antimony)	60
Co (Cobalt)	50
V (Vanadium)	50
Ni (Nickel)	40
Cu (Copper)	25
Zn (Zinc)	20
Mn (Manganese)	15
As (Arsenic)	10
Cr (Chromium)	10
Ag (Silver)	10
Tl (Thallium)	10
Be (Beryllium)	5
Cd (Cadmium)	5
Pb (Lead)	5
Se (Selenium)	5



ANALT-B Quality Control Standard

AG-ANALTB-ASL-1 100 mL
 AG-ANALTB-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ 12 comps.

Ca (Calcium)	100
Ni (Nickel)	100
Pb (Lead)	100
Ag (Silver)	100
Zn (Zinc)	100
Ba (Barium)	50
Be (Beryllium)	50
Co (Cobalt)	50
Cr (Chromium)	50
Cu (Copper)	50
Mn (Manganese)	50
V (Vanadium)	50



QCSTD-27 Quality Control Standard

AG-QCS27-ASL-1 100 mL
 AG-QCS27-ASL-5 500 mL
 100 µg/mL in 5% HNO₃ 27 comps.

Al (Aluminum)	Mn (Manganese)
Sb (Antimony)	Mo (Molybdenum)
As (Arsenic)	Ni (Nickel)
Ba (Barium)	K (Potassium)
Be (Beryllium)	Se (Selenium)
B (Boron)	Si (Silicon)
Cd (Cadmium)	Ag (Silver)
Ca (Calcium)	Sr (Strontium)
Cr (Chromium)	Na (Sodium)
Co (Cobalt)	Tl (Thallium)
Cu (Copper)	Ti (Titanium)
Fe (Iron)	V (Vanadium)
Pb (Lead)	Zn (Zinc)
Mg (Magnesium)	





ICP Alternate Source

Agilent

AccuStandard equivalent of Agilent

Environmental Calibration

Standard

AG-CAL-ASL-1 100 mL
AG-CAL-ASL-5 500 mL

At stated conc. (µg/mL) in 10% HNO₃, 25 comps.

Ca (Calcium)	1000
Fe (Iron)	1000
K (Potassium)	1000
Mg (Magnesium)	1000
Na (Sodium)	1000
Ag (Silver)	10
Al (Aluminum)	10
As (Arsenic)	10
Ba (Barium)	10
Be (Beryllium)	10
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Mn (Manganese)	10
Mo (Molybdenum)	10
Ni (Nickel)	10
Pb (Lead)	10
Sb (Antimony)	10
Se (Selenium)	10
Tl (Thallium)	10
U (Uranium)	10
V (Vanadium)	10
Zn (Zinc)	10
Th (Thorium)	10

Calibration Mix 1 AA & ICP-OES

AG-CAL1-ASL-1 100 mL
AG-CAL1-ASL-5 500 mL

100 µg/mL each in 2% HNO₃ tr.HF 4 comps.

Sb (Antimony)	Sn (Tin)
Mo (Molybdenum)	Tl (Thallium)

Calibration Mix 2 AA & ICP-OES

AG-CAL2-ASL-1 100 mL
AG-CAL2-ASL-5 500 mL

100 µg/mL each in 5% HNO₃, 18 comps.

Ag (Silver)	Mn (Manganese)
Al (Aluminum)	Ni (Nickel)
As (Arsenic)	Pb (Lead)
Ba (Barium)	Se (Selenium)
Be (Beryllium)	Tl (Thallium)
Cd (Cadmium)	Th (Thorium)
Co (Cobalt)	U (Uranium)
Cr (Chromium)	V (Vanadium)
Cu (Copper)	Zn (Zinc)

Calibration Mix Majors For AA & ICP-OES

AG-CALMAJOR-ASL-1 100 mL
AG-CALMAJOR-ASL-5 500 mL

500 µg/mL each in 5% HNO₃, 5 comps.

Ca (Calcium)	Mg (Magnesium)
Fe (Iron)	Na (Sodium)
K (Potassium)	

6020 Interference Check Soln A

AG-INTFR-6020-ASL-1 100 mL
AG-INTFR-6020-ASL-5 500 mL

At stated conc. (µg/mL) in 5% HNO₃ tr. HF 12 comps.

Cl (Chloride)	20,000
Ca (Calcium)	3000
Fe (Iron)	2500
Na (Sodium)	2500
C (Carbon)	2000
Al (Aluminum)	1000
Mg (Magnesium)	1000
P (Phosphorus)	1000
K (Potassium)	1000
S (Sulfur)	1000
Mo (Molybdenum)	20
Ti (Titanium)	20

6020 Interference Check Soln B

AG-INTFR2-6020-ASL-1 / 100 mL
AG-INTFR2-6020-ASL-5 / 500 mL

At stated conc. (µg/mL) in 5% HNO₃, 11 comps.

Cr (Chromium)	20
Co (Cobalt)	20
Cu (Copper)	20
Mn (Manganese)	20
Ni (Nickel)	20
V (Vanadium)	20
As (Arsenic)	10
Cd (Cadmium)	10
Se (Selenium)	10
Zn (Zinc)	10
Ag (Silver)	5

Internal Standard Mix

AG-INT-ASL-1 100 mL
AG-INT-ASL-5 500 mL

10 µg/mL each in 5% HNO₃, 7 comps.

Bi (Bismuth)	Sc (Scandium)
Ge (Germanium)	Tb (Terbium)
In (Indium)	Y (Yttrium)
Li-6 (Lithium-6)	

ICP Internal Standard

AG-INT2-ASL-1 100 mL
AG-INT2-ASL-5 500 mL

100 µg/mL each in 5% HNO₃, 6 comps.

Li-6 (Lithium-6)	In (Indium)
Sc (Scandium)	Tb (Terbium)
Y (Yttrium)	Bi (Bismuth)

Multi-Element Calibration Std. 1

AG-MECAL1-ASL-1 100 mL
AG-MECAL1-ASL-5 500 mL

10 µg/mL each in 5% HNO₃, 17 comps.

Ce (Cerium)	Pr (Praseodymium)
Dy (Dysprosium)	Sc (Scandium)
Er (Erbium)	Sm (Samarium)
Eu (Europium)	Tb (Terbium)
Gd (Gadolinium)	Th (Thorium)
Ho (Holmium)	Tm (Thulium)
La (Lanthanum)	Y (Yttrium)
Lu (Lutetium)	Yb (Ytterbium)
Nd (Neodymium)	

Multi-Element Calibration Std. 2A

AG-MECAL2A-ASL-1 100 mL
AG-MECAL2A-ASL-5 500 mL

10 µg/mL each in 5% HNO₃, 27 comps.

Ag (Silver)	Li (Lithium)
Al (Aluminum)	Mg (Magnesium)
As (Arsenic)	Mn (Manganese)
Ba (Barium)	Na (Sodium)
Be (Beryllium)	Ni (Nickel)
Ca (Calcium)	Pb (Lead)
Cd (Cadmium)	Rb (Rubidium)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cs (Cesium)	Tl (Thallium)
Cu (Copper)	U (Uranium)
Fe (Iron)	V (Vanadium)
Ga (Gallium)	Zn (Zinc)
K (Potassium)	

Multi-Element Calibration Std. 3

AG-MECAL3-ASL-1 100 mL
AG-MECAL3-ASL-5 500 mL

10 µg/mL each in 10% HCl, 10 comps.

Au (Gold)	Rh (Rhodium)
Hf (Hafnium)	Ru (Ruthenium)
Ir (Iridium)	Sb (Antimony)
Pd (Palladium)	Sn (Tin)
Pt (Platinum)	Te (Tellurium)

Multi-Element Calibration Std. 4

AG-MECAL4-ASL-1 ▼ 100 mL
AG-MECAL4-ASL-5 ▼ 500 mL

10 µg/mL each in Water, tr. HF, 12 comps.

B (Boron)	S (Sulfur)
Ge (Germanium)	Si (Silicon)
Mo (Molybdenum)	Ta (Tantalum)
Nb (Niobium)	Ti (Titanium)
P (Phosphorus)	W (Tungsten)
Re (Rhenium)	Zr (Zirconium)



▼ Hazardous fee not required.



AccuStandard equivalent of Jobin Yvon

Instrument Calibration Standard Heavy Metals

JY-CALHM-ASL-R1-1 100 mL
JY-CALHM-ASL-R1-5 500 mL
 At stated conc. (µg/mL) in 2-5% HNO₃ 5 comps.

As (Arsenic)	100
Tl (Thallium)	100
Cd (Cadmium)	50
Se (Selenium)	50
Pb (Lead)	50

Instrument Calibration Standard

JY-CAL-ASL-1 100 mL
JY-CAL-ASL-5 500 mL
 5000 µg/mL each in 2-5% HNO₃ 4 comps.

Ca (Calcium)	K (Potassium)
Mg (Magnesium)	Na (Sodium)

Instrument Check Standard

JY-CHK-ASL-1 100 mL
JY-CHK-ASL-5 500 mL
 50 µg/mL each in 2-5% HNO₃ 9 comps.

Al (Aluminum)	K (Potassium)
As (Arsenic)	Na (Sodium)
Co (Cobalt)	P (Phosphorus)
Cr (Chromium)	Pb (Lead)
Cu (Copper)	

Instrument Check Standard 1

JY-CHK1-ASL-1 100 mL
JY-CHK1-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ 5 comps.

K (Potassium)	1500
Pb (Lead)	1000
Al (Aluminum)	500
Mg (Magnesium)	500
Cd (Cadmium)	100



Traceability

Standards are traceable to NIST SRMs by ICP and/or wet chemical assay.

Quality Control Standard 7

JY-QC7-ASL-1 100 mL
JY-QC7-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ 7 comps.

K (Potassium)	1000
Si (Silicon)	500
Al (Aluminum)	100
B (Boron)	100
Ba (Barium)	100
Na (Sodium)	100
Ag (Silver)	50

Quality Control Standard 21

JY-QC21-ASL-1 100 mL
JY-QC21-ASL-5 500 mL
 100 µg/mL each in 2-5% HNO₃ tr. HF 21 comps.

As (Arsenic)	Mo (Molybdenum)
Be (Beryllium)	Ni (Nickel)
Ca (Calcium)	Pb (Lead)
Cd (Cadmium)	Sb (Antimony)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cu (Copper)	Ti (Titanium)
Fe (Iron)	Tl (Thallium)
Li (Lithium)	V (Vanadium)
Mg (Magnesium)	Zn (Zinc)
Mn (Manganese)	

Quality Control Standard 23

JY-QC23-ASL-1 100 mL
JY-QC23-ASL-5 500 mL
 1000 µg/mL each in 2-5% HNO₃ 23 comps.

Ag (Silver)	In (Indium)
Al (Aluminum)	K (Potassium)
B (Boron)	Li (Lithium)
Ba (Barium)	Mg (Magnesium)
Bi (Bismuth)	Mn (Manganese)
Cd (Cadmium)	Na (Sodium)
Ca (Calcium)	Ni (Nickel)
Cr (Chromium)	Pb (Lead)
Co (Cobalt)	Sr (Strontium)
Cu (Copper)	Tl (Thallium)
Fe (Iron)	Zn (Zinc)
Ga (Gallium)	

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AccuStandard is recognized for its wide range of inorganic reference standards. Our Master Catalog includes single and multi-element standards for ICP, ICP-MS, AA and Ion Chromatography as well as standards for Wet Chemical applications and Wear Metals analysis.



ICP Alternate Source

Perkin Elmer

AccuStandard equivalent of Perkin Elmer

Alternate Interferents A

PE-ALTINTA-ASL-1	100 mL
PE-ALTINTA-ASL-5	500 mL
1000 µg/mL each in 5% HNO ₃ tr. HF 6 comps.	
Cr (Chromium)	Ni (Nickel)
Cu (Copper)	Ti (Titanium)
Mn (Manganese)	V (Vanadium)

Analytes B

PE-ANAB-ASL-1	100 mL
PE-ANAB-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. HF, tr. Tartaric acid 14 comps.	
Cd (Cadmium)	100
Ni (Nickel)	100
Zn (Zinc)	100
Sb (Antimony)	60
Ba (Barium)	50
Be (Beryllium)	50
Co (Cobalt)	50
Cr (Chromium)	50
Cu (Copper)	50
Mn (Manganese)	50
V (Vanadium)	50
Ag (Silver)	20
As (Arsenic)	10
Tl (Thallium)	10

Alternate Analytes B

PE-ALTB-ASL-1	100 mL
PE-ALTB-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. HF, tr. Tartaric acid 12 comps.	
Al (Aluminum)	100
As (Arsenic)	100
B (Boron)	100
Mo (Molybdenum)	100
Na (Sodium)	100
Sb (Antimony)	100
Se (Selenium)	100
Tl (Thallium)	100
Ca (Calcium)	10
Fe (Iron)	10
Mg (Magnesium)	10
Si (Silicon)	10

Initial Calibration Verification Std.

PE-CRDL1-ASL-1	100 mL
PE-CRDL1-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. Tartaric acid 21 comps.	
Ca (Calcium)	5000
Mg (Magnesium)	5000
K (Potassium)	5000
Na (Sodium)	5000
Ba (Barium)	200
Al (Aluminum)	200
Fe (Iron)	100
Sb (Antimony)	60
Co (Cobalt)	50
V (Vanadium)	50
Ni (Nickel)	40
Cu (Copper)	25
Zn (Zinc)	20
Mn (Manganese)	15
As (Arsenic)	10
Cr (Chromium)	10
Ag (Silver)	10
Tl (Thallium)	10
Cd (Cadmium)	5
Se (Selenium)	5
Pb (Lead)	3

Supplied as a 10X concentrate for better stability.

Instrument Calibration Std. 1

PE-CAL1-ASL-1	100 mL
PE-CAL1-ASL-5	500 mL
20 µg/mL each in 2% HNO ₃ tr. Tartaric acid 20 comps.	
Ag (Silver)	Mo (Molybdenum)
Al (Aluminum)	Ni (Nickel)
As (Arsenic)	Pb (Lead)
Ba (Barium)	Sb (Antimony)
Be (Beryllium)	Se (Selenium)
Cd (Cadmium)	Th (Thorium)
Co (Cobalt)	Tl (Thallium)
Cr (Chromium)	U (Uranium)
Cu (Copper)	V (Vanadium)
Mn (Manganese)	Zn (Zinc)

Instrument Calibration Std. 2

PE-CAL2-ASL-1	100 mL
PE-CAL2-ASL-5	500 mL
100 µg/mL each in 5% HNO ₃ tr. HF, tr. Tartaric acid 26 comps.	
Ag (Silver)	Mn (Manganese)
Al (Aluminum)	Mo (Molybdenum)
As (Arsenic)	Na (Sodium)
Ba (Barium)	Ni (Nickel)
Be (Beryllium)	Pb (Lead)
Ca (Calcium)	Sb (Antimony)
Cd (Cadmium)	Se (Selenium)
Co (Cobalt)	Sn (Tin)
Cr (Chromium)	Sr (Strontium)
Cu (Copper)	Ti (Titanium)
Fe (Iron)	Tl (Thallium)
K (Potassium)	V (Vanadium)
Mg (Magnesium)	Zn (Zinc)

Instrument Calibration Std. 3

PE-CAL3-ASL-1	100 mL
PE-CAL3-ASL-5	500 mL
1000 µg/mL each in 5% HNO ₃ 5 comps.	
Fe (Iron)	Na (Sodium)
K (Potassium)	Mg (Magnesium)
Ca (Calcium)	

Detection Limit

PE-CRDL2-ASL-1	100 mL
PE-CRDL2-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. HF tr. Tartaric acid 15 comps.	
Sb (Antimony)	120
Co (Cobalt)	100
V (Vanadium)	100
Ni (Nickel)	80
Cu (Copper)	50
Zn (Zinc)	40
Mn (Manganese)	30
Ag (Silver)	20
As (Arsenic)	20
Cr (Chromium)	20
Tl (Thallium)	20
Be (Beryllium)	10
Cd (Cadmium)	10
Se (Selenium)	10
Pb (Lead)	6

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Instrument Calibration Std. 1

PE-CAL4-ASL-1	100 mL
PE-CAL4-ASL-5	500 mL
5000 µg/mL each in 5% HNO ₃ 4 comps.	
Ca (Calcium)	Na (Sodium)
K (Potassium)	
Mg (Magnesium)	

Instrument Calibration Std. 2

PE-CAL5-ASL-1	100 mL
PE-CAL5-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 5 comps.	
Ni (Nickel)	400
Zn (Zinc)	200
Mn (Manganese)	150
Ag (Silver)	100
Cr (Chromium)	100

Instrument Calibration Std. 3

PE-CAL6-ASL-1	100 mL
PE-CAL6-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 7 comps.	
Al (Aluminum)	2000
Ba (Barium)	2000
Fe (Iron)	1000
Co (Cobalt)	500
V (Vanadium)	500
Cu (Copper)	250
Be (Beryllium)	50

Instrument Calibration Std. 4

PE-CAL7-ASL-1	100 mL
PE-CAL7-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 5 comps.	
As (Arsenic)	100
Tl (Thallium)	100
Cd (Cadmium)	50
Se (Selenium)	50
Pb (Lead)	50

Detection Limit Standard for use with the ELAN 5000

PE-CRDL3-ASL-1	100 mL
PE-CRDL3-ASL-5	500 mL
1 µg/mL each in 1% HNO ₃ 5 comps.	

Be (Beryllium)	Tl (Thallium)
Co (Cobalt)	U (Uranium)
In (Indium)	

Supplied as a 100X concentrate for better stability.

ELAN 6100 Detection Limit Solution

PE-CRDL4-ASL-1	100 mL
PE-CRDL4-ASL-5	500 mL
10 µg/mL each in 1% HNO ₃ 4 comps.	

Be (Beryllium)	In (Indium)
Co (Cobalt)	U (Uranium)

Supplied as a 1000X concentrate for better stability.



AccuStandard equivalent of Perkin Elmer

Instrument Check Standard 1

PE-CHK1-ASL-1	100 mL
PE-CHK1-ASL-5	500 mL
10 µg/mL each in 2% HNO ₃ tr. HF, tr. Tartaric acid 17 comps.	
Ag (Silver)	Mn (Manganese)
Al (Aluminum)	Ni (Nickel)
As (Arsenic)	Pb (Lead)
Ba (Barium)	Sb (Antimony)
Be (Beryllium)	Se (Selenium)
Cd (Cadmium)	Tl (Thallium)
Co (Cobalt)	V (Vanadium)
Cr (Chromium)	Zn (Zinc)
Cu (Copper)	

Instrument Check Standard 3

PE-CHK3-ASL-1	100 mL
PE-CHK3-ASL-5	500 mL
200 µg/mL each in 2% HNO ₃ 5 comps.	
Ca (Calcium)	Mg (Magnesium)
Fe (Iron)	Na (Sodium)
K (Potassium)	

Instrument Check Standard 4

PE-CHK4-ASL-1	100 mL
PE-CHK4-ASL-5	500 mL
10 µg/mL each in 2% HNO ₃ 3 comps.	
Mo (Molybdenum)	U (Uranium)
Th (Thorium)	

Instrument Check Standard 5

PE-CHK5-ASL-1	100 mL
PE-CHK5-ASL-5	500 mL
10 µg/mL each in 2% HNO ₃ tr. HF 4 comps.	
Mo (Molybdenum)	Sr (Strontium)
Sn (Tin)	Ti (Titanium)

Multi-Element Solution 1

PE-MES1-ASL-1	100 mL
PE-MES1-ASL-5	500 mL
1000 µg/mL each in 5% HNO ₃ 4 comps.	
Al (Aluminum)	Fe (Iron)
Ca (Calcium)	Mg (Magnesium)

Multi-Element Solution 2

PE-MES2-ASL-1	100 mL
PE-MES2-ASL-5	500 mL
1000 µg/mL each in 5% HNO ₃ 3 comps.	
K (Potassium)	P (Phosphorus)
Na (Sodium)	

Multi-Element Solution 3

PE-MES3-ASL-1 ▼	100 mL
PE-MES3-ASL-5 ▼	500 mL
1000 µg/mL each in Water tr. HF 5 comps.	
Mo (Molybdenum)	W (Tungsten)
Sb (Antimony)	Zr (Zirconium)
Sn (Tin)	

Multi-Element Solution 4

PE-MES4-ASL-1	100 mL
PE-MES4-ASL-5	500 mL
1000 µg/mL each in 5% HNO ₃ 17 comps.	
As (Arsenic)	Li (Lithium)
Ba (Barium)	Mn (Manganese)
Be (Beryllium)	Ni (Nickel)
Cd (Cadmium)	Sc (Scandium)
Cr (Chromium)	Sr (Strontium)
Co (Cobalt)	V (Vanadium)
Cu (Copper)	Y (Yttrium)
La (Lanthanum)	Zn (Zinc)
Pb (Lead)	

Interference Check Standard 5

PE-ICS5-ASL-1	100 mL
PE-ICS5-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 5 comps.	
Ca (Calcium)	6000
Fe (Iron)	5000
Mg (Magnesium)	3000
Al (Aluminum)	1200
Na (Sodium)	1000

Interference Check Standard 18

PE-ICS18-ASL-1-SET	2 x 100 mL
PE-ICS18-ASL-5-SET	2 x 500 mL
PE-ICS18-ASL	
At stated conc. (µg/mL) in 5% HNO ₃ 16 comps.	
K (Potassium)	20000
As (Arsenic)	1000
Pb (Lead)	1000
Tl (Thallium)	1000
Se (Selenium)	500
Ag (Silver)	300
Ba (Barium)	300
Cd (Cadmium)	300
Co (Cobalt)	300
Cr (Chromium)	300
Cu (Copper)	300
Ni (Nickel)	300
V (Vanadium)	300
Zn (Zinc)	300
Mn (Manganese)	200
Be (Beryllium)	100

PE-ICS18-HG-ASL

100 µg/mL in 5% HNO ₃
Hg (Mercury)
Supplied separately for better product stability.

Internal Standard Mix

PE-INT-ASL-1	100 mL
PE-INT-ASL-5	500 mL
10 µg/mL each in 5% HNO ₃ 7 comps.	
Li6 (Lithium)	In (Indium)
Sc (Scandium)	Tb (Terbium)
Ge (Germanium)	Bi (Bismuth)
Y (Yttrium)	

Interferents A

PE-INTA-ASL-1	100 mL
PE-INTA-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 4 comps.	
Al (Aluminum)	5000
Ca (Calcium)	5000
Mg (Magnesium)	5000
Fe (Iron)	2000

Interferents Check Solution 1

PE-INTFR1-ASL-1	100 mL
PE-INTFR1-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ 12 comps.	
Cl (Chloride)	10000
C (Carbon)	2000
Al (Aluminum)	100
Ca (Calcium)	100
Fe (Iron)	100
K (Potassium)	100
Mg (Magnesium)	100
Na (Sodium)	100
P (Phosphorus)	100
S (Sulfur)	100
Mo (Molybdenum)	20
Ti (Titanium)	20

Interference Check Solution 2

PE-INTFR2-ASL-1	100 mL
PE-INTFR2-ASL-5	500 mL
10 µg/mL each in 2% HNO ₃ 9 comps.	
Ag (Silver)	Cu (Copper)
As (Arsenic)	Mn (Manganese)
Cd (Cadmium)	Ni (Nickel)
Co (Cobalt)	Zn (Zinc)
Cr (Chromium)	

Interference Check Standard A

PE-INTFRA-ASL-1	100 mL
PE-INTFRA-ASL-5	500 mL
At stated conc. (µg/mL) in 5% HNO ₃ tr. HF 12 comps.	
Cl (Chloride)	21215
Ca (Calcium)	3000
Na (Sodium)	2500
Fe (Iron)	2500
C (Carbon)	2000
Al (Aluminum)	1000
K (Potassium)	1000
Mg (Magnesium)	1000
P (Phosphorus)	1000
S (Sulfur)	1000
Mo (Molybdenum)	20
Ti (Titanium)	20

Interference Check Standard B

PE-INTFRB-ASL-1	100 mL
PE-INTFRB-ASL-5	500 mL
At stated conc. (µg/mL) in 2% HNO ₃ 11 comps.	
Co (Cobalt)	20
Cr (Chromium)	20
Cu (Copper)	20
Mn (Manganese)	20
Ni (Nickel)	20
V (Vanadium)	20
As (Arsenic)	10
Cd (Cadmium)	10
Se (Selenium)	10
Zn (Zinc)	10
Ag (Silver)	5

Interference Check Standard C

PE-INTFRC-ASL-1-SET	2 x 100 mL
PE-INTFRC-ASL-5-SET	2 x 500 mL
2 µg/mL each in 2% HNO ₃ tr. HF tr. Tartaric acid 16 comps.	
Sb (Antimony)	Pb (Lead)
As (Arsenic)	Mn (Manganese)
Ba (Barium)	Ni (Nickel)
Be (Beryllium)	Se (Selenium)
Cd (Cadmium)	Ag (Silver)
Cr (Chromium)	Tl (Thallium)
Co (Cobalt)	V (Vanadium)
Cu (Copper)	Zn (Zinc)

PE-INTFRC-HG-ASL

2 µg/mL in 5% HNO ₃
Hg (Mercury)
Supplied separately for better product stability.

▼ Hazardous fee not required.



ICP Alternate Source

Perkin Elmer

Perkin Elmer

AccuStandard equivalent of Perkin Elmer

Mixed Calibration Standard

PE-MCS-ASL-1 100 mL
PE-MCS-ASL-5 500 mL
At stated conc. (µg/mL) in 2% HNO₃ 10 comps.

As (Arsenic)	50
K (Potassium)	50
La (Lanthanum)	10
Li (Lithium)	10
Mn (Manganese)	10
Ni (Nickel)	10
Sr (Strontium)	10
Zn (Zinc)	10
Ba (Barium)	1
Mg (Magnesium)	1

Mixed Calibration Standard 1

PE-MCS1-ASL-1 100 mL
PE-MCS1-ASL-5 500 mL
At stated conc. (µg/mL) in 2% HNO₃ 6 comps.

Pb (Lead)	500
Se (Selenium)	200
Cd (Cadmium)	150
Zn (Zinc)	150
Mn (Manganese)	100
Be (Beryllium)	50

Mixed Calibration Standard 2

PE-MCS2-ASL-1 100 mL
PE-MCS2-ASL-5 500 mL
At stated conc. (µg/mL) in 5% HNO₃ 5 comps.

Fe (Iron)	10000
Ba (Barium)	100
Co (Cobalt)	100
Cu (Copper)	100
V (Vanadium)	100

Mixed Calibration Standard 3

PE-MCS3-ASL-1 100 mL
PE-MCS3-ASL-5 500 mL
at stated conc. (µg/mL) in 2% HNO₃ tr. HF 3 comps.

As (Arsenic)	500
Mo (Molybdenum)	100
Si (Silicon)	100

Mixed Calibration Standard 4

PE-MCS4-ASL-1 100 mL
PE-MCS4-ASL-5 500 mL
At stated conc. (µg/mL) in 5% HNO₃ 6 comps.

Ca (Calcium)	1000
K (Potassium)	400
Al (Aluminum)	200
Na (Sodium)	200
Cr (Chromium)	20
Ni (Nickel)	20

Mixed Calibration Standard 5

PE-MCS5-ASL-1 100 mL
PE-MCS5-ASL-5 500 mL
At stated conc. (µg/mL) in 5% HNO₃ tr. HF tr. Tartaric acid 5 comps.

Mg (Magnesium)	1000
Sb (Antimony)	200
Tl (Thallium)	200
B (Boron)	100
Ag (Silver)	50

Multi-Element Calibration Standard 1

PE-MECAL1-ASL-1 100 mL
PE-MECAL1-ASL-5 500 mL
10 µg/mL each in 2% HNO₃ 9 comps.

Be (Beryllium)	Mg (Magnesium)
Bi (Bismuth)	Ni (Nickel)
Ce (Cerium)	Pb (Lead)
Co (Cobalt)	U (Uranium)
In (Indium)	

Multi-Element Calibration Standard 2

PE-MECAL2-ASL-1 100 mL
PE-MECAL2-ASL-5 500 mL
10 µg/mL each in 5% HNO₃ 17 comps.

Ce (Cerium)	Pr (Praseodymium)
Dy (Dysprosium)	Sm (Samarium)
Er (Erbium)	Sc (Scandium)
Eu (Europium)	Tb (Terbium)
Gd (Gadolinium)	Th (Thorium)
Ho (Holmium)	Tm (Thulium)
La (Lanthanum)	Yb (Ytterbium)
Lu (Lutetium)	Y (Yttrium)
Nd (Neodymium)	

Multi-Element Calibration Standard 3

PE-MECAL3-ASL-1-SET 2 x 100 mL
PE-MECAL3-ASL-5-SET 2 x 500 mL

PE-MECAL3-ASL 10 µg/mL each in 5% HNO₃ 29 comps.

Ag (Silver)	K (Potassium)
Al (Aluminum)	Li (Lithium)
As (Arsenic)	Mg (Magnesium)
Ba (Barium)	Mn (Manganese)
Be (Beryllium)	Na (Sodium)
Bi (Bismuth)	Ni (Nickel)
Ca (Calcium)	Pb (Lead)
Cd (Cadmium)	Rb (Rubidium)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cs (Cesium)	Tl (Thallium)
Cu (Copper)	U (Uranium)
Fe (Iron)	V (Vanadium)
Ga (Gallium)	Zn (Zinc)
In (Indium)	

PE-MECAL3-HG-ASL

10 µg/mL in 5% HNO₃

Hg (Mercury)

Supplied separately for better product stability.

Multi-Element Calibration Standard 4

PE-MECAL4-ASL-1 100 mL
PE-MECAL4-ASL-5 500 mL
10 µg/mL each in 10% HCl 10 comps.

Au (Gold)	Rh (Rhodium)
Hf (Hafnium)	Ru (Ruthenium)
Ir (Iridium)	Sb (Antimony)
Pd (Palladium)	Sn (Tin)
Pt (Platinum)	Te (Tellurium)

Multi-Element Calibration Standard 5

PE-MECAL5-ASL-1 ▼ 100 mL
PE-MECAL5-ASL-5 ▼ 500 mL
10 µg/mL each in Water, tr. HF 12 comps.

B (Boron)	S (Sulfur)
Ge (Germanium)	Si (Silicon)
Mo (Molybdenum)	Ta (Tantalum)
Nb (Niobium)	Ti (Titanium)
P (Phosphorus)	W (Tungsten)
Re (Rhenium)	Zr (Zirconium)

Multi-Element Internal Standard

PE-MEINT-ASL-1 100 mL
PE-MEINT-ASL-5 500 mL
10 µg/mL each in 2% HNO₃ 7 comps.

Bi (Bismuth)	Sc (Scandium)
Ho (Holmium)	Tb (Terbium)
In (Indium)	Y (Yttrium)
Li6 (Lithium)	

Memory Test 1

PE-MEM1-ASL-1 100 mL
PE-MEM1-ASL-5 500 mL
At stated conc. (µg/mL) in 5% HNO₃ 21 comps.

Al (Aluminum)	1000
Ca (Calcium)	1000
Fe (Iron)	1000
K (Potassium)	1000
Mg (Magnesium)	1000
Na (Sodium)	1000
Ag (Silver)	20
As (Arsenic)	20
Ba (Barium)	20
Be (Beryllium)	20
Cd (Cadmium)	20
Co (Cobalt)	20
Cr (Chromium)	20
Cu (Copper)	20
Mn (Manganese)	20
Ni (Nickel)	20
Pb (Lead)	20
Se (Selenium)	20
Tl (Thallium)	20
V (Vanadium)	20
Zn (Zinc)	20

Memory Test 2

PE-MEM2-ASL-1 ▼ 100 mL
PE-MEM2-ASL-5 ▼ 500 mL
At stated conc. (µg/mL) in Water, tr. HF 6 comps.

Cl (Chloride)	7200
C (Carbon)	2000
P (Phosphorus)	1000
S (Sulfur)	1000
Mo (Molybdenum)	20
Sb (Antimony)	20
Ti (Titanium)	20

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▼ Hazardous fee not required.



AccuStandard equivalent of Perkin Elmer

QC Standard 7 Elements

PE-QC7-ASL-1 100 mL
PE-QC7-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ tr. HF 7 comps.

K (Potassium)	1000
Si (Silicon)	500
Al (Aluminum)	100
B (Boron)	100
Ba (Barium)	100
Na (Sodium)	100
Ag (Silver)	50

QC Standard 21 Elements

PE-QC21-ASL-1 100 mL
PE-QC21-ASL-5 500 mL
 100 µg/mL each in 5% HNO₃ tr. HF, tr. Tartaric acid 21 comps.

As (Arsenic)	Mo (Molybdenum)
Be (Beryllium)	Ni (Nickel)
Ca (Calcium)	Pb (Lead)
Cd (Cadmium)	Sb (Antimony)
Co (Cobalt)	Se (Selenium)
Cr (Chromium)	Sr (Strontium)
Cu (Copper)	Ti (Titanium)
Fe (Iron)	Tl (Thallium)
Li (Lithium)	V (Vanadium)
Mg (Magnesium)	Zn (Zinc)
Mn (Manganese)	

Primary Drinking Water Metals

PE-SDWA1-ASL-1-SET 2 x 100 mL
PE-SDWA1-ASL-5-SET 2 x 500 mL

PE-SDWA1-ASL
 At stated conc. (µg/mL) in 2% HNO₃ 7 comps.

Ba (Barium)	100
Ag (Silver)	10
As (Arsenic)	10
Cr (Chromium)	10
Pb (Lead)	10
Cd (Cadmium)	5
Se (Selenium)	5

PE-SDWA1-HG-ASL

10 µg/mL in 2% HNO₃

Hg (Mercury)

Supplied separately for better product stability.

Secondary Drinking Water

Metals

PE-SDWA2-ASL-1 100 mL
PE-SDWA2-ASL-5 500 mL

At stated conc. (µg/mL) in 2% HNO₃ 4 comps.

Zn (Zinc)	500
Cu (Copper)	100
Fe (Iron)	30
Mn (Manganese)	5

ELAN 6100 DRC Sensitivity/

Detection Limit Solution

PE-SENS-ASL-1 100 mL
PE-SENS-ASL-5 500 mL

1 µg/mL each in 2% HNO₃ tr. HCl 13 comps.

Ba (Barium)	Pb (Lead)
Be (Beryllium)	Mg (Magnesium)
Ca (Calcium)	K (Potassium)
Ce (Cerium)	Rh (Rhodium)
Co (Cobalt)	Na (Sodium)
In (Indium)	U (Uranium)
Fe (Iron)	

Supplied as a 1000X concentrate for better stability.

ELAN 9000/6X00 Dual Detector Calibration Solution

PE-SETUP1-ASL-1 100 mL
PE-SETUP1-ASL-5 500 mL
 2 µg/mL each in 2% HNO₃ tr. HCl 5 comps.

Cd (Cadmium)	Mg (Magnesium)
Cu (Copper)	Rh (Rhodium)
Pb (Lead)	

Supplied as a 10X concentrate for better stability.

ELAN 6000/5000 Plasma Setup Solution

PE-SETUP2-ASL-1 100 mL
PE-SETUP2-ASL-5 500 mL
 1 µg/mL each in 1% HNO₃ tr. HCl 11 comps.

Ba (Barium)	Mg (Magnesium)
Cd (Cadmium)	Rh (Rhodium)
Ce (Cerium)	Sc (Scandium)
Cu (Copper)	Tb (Terbium)
Ge (Germanium)	Tl (Thallium)
Pb (Lead)	

Supplied as a 100X concentrate for better stability.

SmartTune Solution for ELAN/DRC-e

PE-SMTUNE-ASL-1 100 mL
PE-SMTUNE-ASL-5 500 mL
 1 µg/mL each in 2% HNO₃ tr. HCl 9 comps.

Ba (Barium)	Pb (Lead)
Be (Beryllium)	Mg (Magnesium)
Ce (Cerium)	Rh (Rhodium)
Co (Cobalt)	U (Uranium)
In (Indium)	

Supplied as a 100X concentrate for better stability.

SmartTune Solution for DRC/ DRC^{PLUS}/DRC II

PE-SMTUNE2-ASL-1 100 mL
PE-SMTUNE2-ASL-5 500 mL

At stated conc. (µg/mL) in 0.5% HNO₃ 10 comps.

Ba (Barium)	10
Be (Beryllium)	1
Ce (Cerium)	1
Co (Cobalt)	1
In (Indium)	1
Fe (Iron)	1
Pb (Lead)	1
Mg (Magnesium)	1
Th (Thorium)	1
U (Uranium)	1

Supplied as a 1000X concentrate for better stability.

Spike Sample Analysis

PE-SPIKE-ASL-1 100 mL
PE-SPIKE-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ tr. HF, tr. Tartaric acid 18 comps.

Al (Aluminum)	200
As (Arsenic)	200
Ba (Barium)	200
Se (Selenium)	200
Tl (Thallium)	200
Fe (Iron)	100
Co (Cobalt)	50
Mn (Manganese)	50
Ni (Nickel)	50
Pb (Lead)	50
Sb (Antimony)	50
V (Vanadium)	50
Zn (Zinc)	50
Cu (Copper)	25
Cr (Chromium)	20
Ag (Silver)	5
Be (Beryllium)	5
Cd (Cadmium)	5

Spike Sample Standard I (Water)

PE-SPIKE1-ASL-1 100 mL
PE-SPIKE1-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ tr. HF, tr. Tartaric acid 17 comps.

Fe (Iron)	500
Ba (Barium)	250
Zn (Zinc)	250
Co (Cobalt)	100
Cr (Chromium)	100
Cu (Copper)	100
Mn (Manganese)	100
Ni (Nickel)	100
Sb (Antimony)	100
V (Vanadium)	100
As (Arsenic)	50
Pb (Lead)	50
Ag (Silver)	25
Be (Beryllium)	25
Cd (Cadmium)	25
Se (Selenium)	25
Tl (Thallium)	25

Spike Sample Standard II (Soil)

PE-SPIKE2-ASL-1 100 mL
PE-SPIKE2-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ tr. HF, tr. Tartaric acid 15 comps.

Ba (Barium)	250
Cr (Chromium)	250
Cu (Copper)	250
Zn (Zinc)	250
V (Vanadium)	150
Ni (Nickel)	125
Co (Cobalt)	100
Pb (Lead)	100
Sb (Antimony)	100
As (Arsenic)	50
Cd (Cadmium)	50
Ag (Silver)	25
Be (Beryllium)	25
Se (Selenium)	25
Tl (Thallium)	25

Spike Sample Standard III (for ILM 05.2)

PE-SPIKE3-ASL-1 100 mL
PE-SPIKE3-ASL-5 500 mL
 At stated conc. (µg/mL) in 5% HNO₃ tr. HF, tr. Tartaric acid 17 comps.

Al (Aluminum)	200
Ba (Barium)	200
Co (Cobalt)	50
Mn (Manganese)	50
Ni (Nickel)	50
V (Vanadium)	50
Zn (Zinc)	50
Cu (Copper)	25
Cr (Chromium)	20
Sb (Antimony)	10
Be (Beryllium)	5
Cd (Cadmium)	5
Ag (Silver)	5
Tl (Thallium)	5
As (Arsenic)	4
Pb (Lead)	2
Se (Selenium)	1



ICP Alternate Source

Perkin Elmer

AccuStandard equivalent of Perkin Elmer

ELAN 9000/6100 Setup/Stab/ Masscal Solution

PE-STAB-ASL-1	100 mL
PE-STAB-ASL-5	500 mL

1 µg/mL each in 1% HNO₃ tr. HCl 9 comps.

Ba (Barium)	Pb (Lead)
Cd (Cadmium)	Mg (Magnesium)
Ce (Cerium)	Rh (Rhodium)
Cu (Copper)	U (Uranium)
In (Indium)	

Supplied as a 100X concentrate for better stability.

Tuning Solution I

PE-TUNSOL-ASL-1	100 mL
PE-TUNSOL-ASL-5	500 mL

10 µg/mL each in 2% HNO₃ tr. HCl 12 comps.

Ba (Barium)	Mg (Magnesium)
Be (Beryllium)	Pb (Lead)
Ce (Cerium)	Rh (Rhodium)
Co (Cobalt)	Tl (Thallium)
In (Indium)	U (Uranium)
Li (Lithium)	Y (Yttrium)

Low UV Standard

PE-UV-ASL-1	100 mL
PE-UV-ASL-5	500 mL

10 µg/mL each in 2% HNO₃ 3 comps.

Al (Aluminum)	S (Sulfur)
P (Phosphorus)	

VIS Wavecal Solution

PE-VISWAVE-ASL-1	100 mL
PE-VISWAVE-ASL-5	500 mL

At stated conc. (µg/mL) in 2% HNO₃ 8 comps.

K (Potassium)	50
La (Lanthanum)	10
Li (Lithium)	10
Mn (Manganese)	10
Na (Sodium)	10
Sr (Strontium)	10
Ba (Barium)	1
Ca (Calcium)	1

UV Wavecal Solution

PE-UVWAVE-ASL-R1-1	100 mL
PE-UVWAVE-ASL-R1-5	500 mL

At stated conc. (µg/mL) in 5% HCl 12 comps.

K (Potassium)	100
P (Phosphorus)	100
S (Sulfur)	100
As (Arsenic)	20
La (Lanthanum)	20
Li (Lithium)	20
Mn (Manganese)	20
Mo (Molybdenum)	20
Na (Sodium)	20
Ni (Nickel)	20
Sc (Scandium)	20
Ca (Calcium)	1

Initial Calibration Verification Standard 1

PE-VER1-ASL-1	100 mL
PE-VER1-ASL-5	500 mL

At stated conc. (µg/mL) in 5% HNO₃ tr. Tartaric acid 26 comps.

Fe (Iron)	1000
K (Potassium)	1000
Ca (Calcium)	1000
Na (Sodium)	1000
Mg (Magnesium)	1000
Sr (Strontium)	1000
Ag (Silver)	10
Al (Aluminum)	10
As (Arsenic)	10
Ba (Barium)	10
Be (Beryllium)	10
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Mn (Manganese)	10
Mo (Molybdenum)	10
Ni (Nickel)	10
Pb (Lead)	10
Sb (Antimony)	10
Se (Selenium)	10
Tl (Thallium)	10
V (Vanadium)	10
Zn (Zinc)	10
Th (Thorium)	10
U (Uranium)	10

Initial Calibration Verification Standard 2

PE-VER2-ASL-R1-1	100 mL
PE-VER2-ASL-R1-5	500 mL

10 µg/mL each in 2% HNO₃ tr. HF 2 comps.

Sn (Tin)	Ti (Titanium)
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Trace Metals I

PE-WPTM1-ASL-1-SET	2 x 100 mL
PE-WPTM1-ASL-5-SET	2 x 500 mL

PE-WPTM1-ASL

At stated conc. (µg/mL) in 5% HNO₃ 14 comps.

Al (Aluminum)	500
V (Vanadium)	250
As (Arsenic)	100
Be (Beryllium)	100
Co (Cobalt)	100
Cr (Chromium)	100
Cu (Copper)	100
Fe (Iron)	100
Mn (Manganese)	100
Ni (Nickel)	100
Pb (Lead)	100
Zn (Zinc)	100
Cd (Cadmium)	25
Se (Selenium)	25

PE-WPTM1-HG-ASL

10 µg/mL in 5% HNO₃

Hg (Mercury)

Supplied separately for better product stability.

Trace Metals II

PE-WPTM2-ASL-1	100 mL
PE-WPTM2-ASL-5	500 mL

At stated conc. (µg/mL) in 2% HNO₃ 3 comps.

Sb (Antimony)	20
Tl (Thallium)	20
Ag (Silver)	10

Trace Metals III

PE-WPTM3-ASL-1	100 mL
PE-WPTM3-ASL-5	500 mL

At stated conc. (µg/mL) in 2% HNO₃ 6 comps.

Ba (Barium)	500
Ca (Calcium)	500
Mo (Molybdenum)	500
Na (Sodium)	500
K (Potassium)	100
Mg (Magnesium)	100

Alternate Metals 1

PE-WPAM1-ASL-1	100 mL
PE-WPAM1-ASL-5	500 mL

At stated conc. (µg/mL) in 2% HNO₃ 11 comps.

Al (Aluminum)	20
Fe (Iron)	20
V (Vanadium)	20
Co (Cobalt)	10
Cu (Copper)	10
Mn (Manganese)	10
Ni (Nickel)	10
Zn (Zinc)	10
Be (Beryllium)	5
Sb (Antimony)	5
Tl (Thallium)	5

Alternate Metals 3

PE-WPAM3-ASL-1	100 mL
PE-WPAM3-ASL-5	500 mL

At stated conc. (µg/mL) in 2% HNO₃ 4 comps.

Ca (Calcium)	500
Na (Sodium)	500
K (Potassium)	100
Mg (Magnesium)	100

Save up
to 50%

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AccuStandard equivalent of Teledyne

Check Mate 1

TELE-CHK1-ASL-1-SET 2 x 100 mL
TELE-CHK1-ASL-5-SET 2 x 500 mL

TELE-CHK1-ASL

At stated conc. (µg/mL) in 5% HCl, 1% HNO₃
 24 comps.

Ca (Calcium)	100
K (Potassium)	100
Mg (Magnesium)	100
Na (Sodium)	100
Al (Aluminum)	10
As (Arsenic)	10
B (Boron)	10
Ba (Barium)	10
Be (Beryllium)	10
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Fe (Iron)	10
Mn (Manganese)	10
Mo (Molybdenum)	10
Ni (Nickel)	10
Pb (Lead)	10
Sb (Antimony)	10
Se (Selenium)	10
Si (Silicon)	10
Tl (Thallium)	10
V (Vanadium)	10
Zn (Zinc)	10

TELE-CHK1-AG-ASL

1000 µg/mL in 2% HNO₃

Ag (Silver)

Supplied separately for better product stability.

Check Mate 2

TELE-CHK2-ASL-1-SET 2 x 100 mL
TELE-CHK2-ASL-5-SET 2 x 500 mL

TELE-CHK2-ASL

At stated conc. (µg/mL) in 5% HCl, 1% HNO₃
 17 comps.

Ca (Calcium)	100
K (Potassium)	100
Mg (Magnesium)	100
Na (Sodium)	100
Al (Aluminum)	10
Ba (Barium)	10
Be (Beryllium)	10
Cd (Cadmium)	10
Co (Cobalt)	10
Cr (Chromium)	10
Cu (Copper)	10
Fe (Iron)	10
Mn (Manganese)	10
Ni (Nickel)	10
Sb (Antimony)	10
V (Vanadium)	10
Zn (Zinc)	10

TELE-CHK2-AG-ASL

1000 µg/mL in 2% HNO₃

Ag (Silver)

Supplied separately for better product stability.

Check Mate 3

TELE-CHK3-ASL-1-SET 2 x 100 mL
TELE-CHK3-ASL-5-SET 2 x 500 mL

TELE-CHK3-ASL

At stated conc. (µg/mL) in 5% HCl, 1% HNO₃
 17 comps.

Ca (Calcium)	10
K (Potassium)	10
Mg (Magnesium)	10
Na (Sodium)	10
Al (Aluminum)	1
Ba (Barium)	1
Be (Beryllium)	1
Cd (Cadmium)	1
Co (Cobalt)	1
Cr (Chromium)	1
Cu (Copper)	1
Fe (Iron)	1
Mn (Manganese)	1
Ni (Nickel)	1
Sb (Antimony)	1
V (Vanadium)	1
Zn (Zinc)	1

TELE-CHK3-AG-ASL

1000 µg/mL in 2% HNO₃

Ag (Silver)

Supplied separately for better product stability.

Check Mate 4

TELE-CHK4-ASL-1 100 mL
TELE-CHK4-ASL-5 500 mL

At stated conc. (µg/mL) in 5% HNO₃ 22 comps.

Ca (Calcium)	5000
K (Potassium)	5000
Mg (Magnesium)	5000
Na (Sodium)	5000
Ba (Barium)	200
Fe (Iron)	100
Al (Aluminum)	60
Sb (Antimony)	60
Co (Cobalt)	50
V (Vanadium)	50
Ni (Nickel)	40
Cu (Copper)	25
Zn (Zinc)	20
Mn (Manganese)	15
Ag (Silver)	10
As (Arsenic)	10
Cr (Chromium)	10
Tl (Thallium)	10
Be (Beryllium)	5
Cd (Cadmium)	5
Pb (Lead)	5
Se (Selenium)	5

Check Mate 5

TELE-CHK5-ASL-1 100 mL
TELE-CHK5-ASL-5 500 mL

At stated conc. (µg/mL) in 5% HNO₃ 16 comps.

Ca (Calcium)	2000
K (Potassium)	2000
Mg (Magnesium)	2000
Na (Sodium)	2000
Al (Aluminum)	1000
Ba (Barium)	1000
Fe (Iron)	1000
Co (Cobalt)	500
Ni (Nickel)	500
V (Vanadium)	500
Cr (Chromium)	200
Cu (Copper)	200
Ag (Silver)	100
Be (Beryllium)	100
Mn (Manganese)	100
Zn (Zinc)	100

Check Mate 6

TELE-CHK6-ASL-1 100 mL
TELE-CHK6-ASL-5 500 mL

At stated conc. (µg/mL) in 5% HNO₃ 5 comps.

As (Arsenic)	500
Pb (Lead)	500
Se (Selenium)	500
Tl (Thallium)	500
Cd (Cadmium)	100

Check Mate 7

TELE-CHK7-ASL-1 100 mL
TELE-CHK7-ASL-5 500 mL

At stated conc. (µg/mL) in 5% HCl, 1% HNO₃
 17 comps.

Ca (Calcium)	50
K (Potassium)	50
Mg (Magnesium)	50
Na (Sodium)	50
Al (Aluminum)	5
Ba (Barium)	5
Be (Beryllium)	5
Cd (Cadmium)	5
Co (Cobalt)	5
Cr (Chromium)	5
Cu (Copper)	5
Fe (Iron)	5
Mn (Manganese)	5
Ni (Nickel)	5
Sb (Antimony)	5
V (Vanadium)	5
Zn (Zinc)	5

Check Mate 8

TELE-CHK8-ASL-0.1X-1 100 mL
TELE-CHK8-ASL-0.1X-5 500 mL

At stated conc. (µg/mL) in 5% HNO₃ 22 comps.

Ca (Calcium)	500
K (Potassium)	500
Na (Sodium)	500
Mg (Magnesium)	500
Al (Aluminum)	200
Ba (Barium)	200
Fe (Iron)	100
Sb (Antimony)	60
Co (Cobalt)	50
V (Vanadium)	50
Ni (Nickel)	40
Cu (Copper)	25
Zn (Zinc)	20
Mn (Manganese)	15
Ag (Silver)	10
As (Arsenic)	10
Cr (Chromium)	10
Tl (Thallium)	10
Be (Beryllium)	5
Cd (Cadmium)	5
Pb (Lead)	5
Se (Selenium)	5

Supplied at a 1:10 dilution for better long-term stability.

Alternate Source ICP Standards

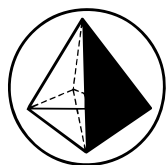
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