

Since 1954, SPEX CertiPrep is the industry leader in the CRM marketplace meeting the needs of laboratories worldwide with innovation and research. Accredited by A2LA to ISO/IEC 17025:2017 & ISO 17034:2016. Certified by DQS to ISO 9001:2015.

30 mL Single-Element Standards for ICP and ICP-MS

Decrease Your Waste and Save Your Space!

SPEX CertiPrep has recently made a selection of our ICP-MS and ICP single-element standards available in a 30 mL volume. This product delivers the same great SPEX CertiPrep quality you have come to expect, but in a smaller volume - reducing waste and mitigating worries about expiration dates.

As with all of our ICP-MS and ICP standards, the 30 mL standards include a comprehensive Certificate of Analysis. Each certificate is compliant with ISO 9001:2015, ISO/IEC 17025:2017 and ISO 17034:2016 guides and standards. The NIST traceable certified value of the main analyte is clearly stated, along with actual measured values, down to parts per trillion (ppt), of up to 68 trace impurities.

In order to ensure the best quality product possible, SPEX CertiPrep standards are made with the finest, purest materials available. Our ICP-MS single-element standards are made using ultra high purity acids, 99.9999+% pure starting materials and ASTM Type I Water.

For additional product information, please visit www.spexcertiprep.com.

ICP-MS STANDARDS

Element	Concentration	Volume	Matrix	Part #
Aluminum	1,000 µg/mL	30 mL	2% HNO ₃	CLAL2-2M
Antimony	1,000 µg/mL	30 mL	H ₂ O/0.6% Tartaric Acid/tr. HNO ₃	CLSB7-2M
Arsenic	1,000 µg/mL	30 mL	2% HNO ₃	CLAS2-2M
Barium	1,000 µg/mL	30 mL	2% HNO ₃	CLBA2-2M
Beryllium	1,000 µg/mL	30 mL	2% HNO ₃	CLBE2-2M
Bismuth	10 µg/mL	30 mL	2% HNO ₃	CLBI2-1AM
Cadmium	1,000 µg/mL	30 mL	2% HNO ₃	CLCD2-2M
Calcium	1,000 µg/mL	30 mL	2% HNO ₃	CLCA2-2M
Chromium	1,000 µg/mL	30 mL	2% HNO ₃	CLCR2-2M
Cobalt	1,000 µg/mL	30 mL	2% HNO ₃	CLCO2-2M
Copper	1,000 µg/mL	30 mL	2% HNO ₃	CLCU2-2M
Germanium	10 µg/mL	30 mL	H ₂ O/tr. F ⁻	CLGE9-1AM
Gold	100 µg/mL	30 mL	2% HCl	CLAU1-1M

30 mL Single-Element Standards for ICP and ICP-MS

ICP-MS STANDARDS				
Element	Concentration	Volume	Matrix	Part #
Indium	10 µg/mL	30 mL	2% HNO ₃	CLIN2-1AM
Iron	1,000 µg/mL	30 mL	2% HNO ₃	CLFE2-2M
Lead	1,000 µg/mL	30 mL	2% HNO ₃	CLPB2-2M
Magnesium	1,000 µg/mL	30 mL	2% HNO ₃	CLMG2-2M
Manganese	1,000 µg/mL	30 mL	2% HNO ₃	CLMN2-2M
Mercury	10 µg/mL	30 mL	5% HNO ₃	CLHG2-1AM
Mercury	1,000 µg/mL	30 mL	10% HNO ₃	CLHG4-2M
Molybdenum	1,000 µg/mL	30 mL	H ₂ O	CLMO9-2M
Nickel	1,000 µg/mL	30 mL	2% HNO ₃	CLNI2-2M
Potassium	1,000 µg/mL	30 mL	2% HNO ₃	CLK2-2M
Rhodium	10 µg/mL	30 mL	2% HCl	CLRH1-1AM
Scandium	10 µg/mL	30 mL	2% HNO ₃	CLSC2-1AM
Selenium	1,000 µg/mL	30 mL	2% HNO ₃	CLSE2-2M
Silver	1,000 µg/mL	30 mL	2% HNO ₃	CLAG2-2M
Sodium	1,000 µg/mL	30 mL	2% HNO ₃	CLNA2-2M
Terbium	10 µg/mL	30 mL	2% HNO ₃	CLTB2-1AM
Thallium	1,000 µg/mL	30 mL	2% HNO ₃	CLTL2-2M
Thorium	1,000 µg/mL	30 mL	2% HNO ₃	CLTH2-2M
Tin	1,000 µg/mL	30 mL	1% HNO ₃ /1% HF	CLSN2-2M
Titanium	1,000 µg/mL	30 mL	H ₂ O/0.24% F ⁻	CLTI9-2M
Uranium	1,000 µg/mL	30 mL	2% HNO ₃	CLU2-2M
Vanadium	1,000 µg/mL	30 mL	2% HNO ₃	CLV2-2M
Yttrium	10 µg/mL	30 mL	2% HNO ₃	CLY2-1AM
Zinc	1,000 µg/mL	30 mL	2% HNO ₃	CLZN2-2M

ICP STANDARDS				
Element	Concentration	Volume	Matrix	Part #
Aluminum	1,000 µg/mL	30 mL	2% HNO ₃	PLAL2-2M
Antimony	1,000 µg/mL	30 mL	H ₂ O/0.6% Tartaric Acid/tr. HNO ₃	PLSB7-2M
Arsenic	1,000 µg/mL	30 mL	2% HNO ₃	PLAS2-2M
Barium	1,000 µg/mL	30 mL	2% HNO ₃	PLBA2-2M
Beryllium	1,000 µg/mL	30 mL	2% HNO ₃	PLBE2-2M
Bismuth	1,000 µg/mL	30 mL	2% HNO ₃	PLBI4-2M
Boron	1,000 µg/mL	30 mL	H ₂ O	PLB9-2M
Cadmium	1,000 µg/mL	30 mL	2% HNO ₃	PLCD2-2M
Calcium	1,000 µg/mL	30 mL	2% HNO ₃	PLCA2-2M
Carbon	1,000 µg/mL	30 mL	H ₂ O	PLC9-2M
Cerium	1,000 µg/mL	30 mL	2% HNO ₃	PLCE2-2M
Cesium	1,000 µg/mL	30 mL	2% HNO ₃	PLCS2-2M
Chromium	1,000 µg/mL	30 mL	2% HNO ₃	PLCR2-2M
Cobalt	1,000 µg/mL	30 mL	2% HNO ₃	PLCO2-2M
Copper	1,000 µg/mL	30 mL	2% HNO ₃	PLCU2-2M
Dysprosium	1,000 µg/mL	30 mL	2% HNO ₃	PLDY2-2M
Erbium	1,000 µg/mL	30 mL	2% HNO ₃	PLER2-2M
Europium	1,000 µg/mL	30 mL	2% HNO ₃	PLEU2-2M
Gadolinium	1,000 µg/mL	30 mL	2% HNO ₃	PLGD2-2M

30 mL Single-Element Standards for ICP and ICP-MS

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Element	Concentration	Volume	Matrix	Part #
Gallium	1,000 µg/mL	30 mL	2% HNO ₃	PLGA2-2M
Germanium	1,000 µg/mL	30 mL	H ₂ O/0.16% F ⁻	PLGE9-2M
Gold	1,000 µg/mL	30 mL	10% HCl	PLAU3-2M
Hafnium	1,000 µg/mL	30 mL	2% HCl	PLHF1-2M
Holmium	1,000 µg/mL	30 mL	2% HNO ₃	PLHO2-2M
Indium	1,000 µg/mL	30 mL	2% HNO ₃	PLIN2-2M
Iridium	1,000 µg/mL	30 mL	10% HCl	PLIR3-2M
Iron	1,000 µg/mL	30 mL	2% HNO ₃	PLFE2-2M
Lanthanum	1,000 µg/mL	30 mL	2% HNO ₃	PLLA2-2M
Lead	1,000 µg/mL	30 mL	2% HNO ₃	PLPB2-2M
Lithium	1,000 µg/mL	30 mL	2% HNO ₃	PLLI2-2M
Lutetium	1,000 µg/mL	30 mL	2% HNO ₃	PLLU2-2M
Magnesium	1,000 µg/mL	30 mL	2% HNO ₃	PLMG2-2M
Manganese	1,000 µg/mL	30 mL	2% HNO ₃	PLMN2-2M
Mercury	1,000 µg/mL	30 mL	10% HNO ₃	PLHG4-2M
Molybdenum	1,000 µg/mL	30 mL	H ₂ O	PLMO9-2M
Neodymium	1,000 µg/mL	30 mL	2% HNO ₃	PLND2-2M
Nickel	1,000 µg/mL	30 mL	2% HNO ₃	PLNI2-2M
Niobium	1,000 µg/mL	30 mL	H ₂ O/0.4% F ⁻	PLNB9-2M
Palladium	1,000 µg/mL	30 mL	10% HCl	PLPD3-2M
Phosphorus	1,000 µg/mL	30 mL	H ₂ O	PLP9-2M
Platinum	1,000 µg/mL	30 mL	10% HCl	PLPT3-2M
Potassium	1,000 µg/mL	30 mL	2% HNO ₃	PLK2-2M
Praseodymium	1,000 µg/mL	30 mL	2% HNO ₃	PLPR2-2M
Rhenium	1,000 µg/mL	30 mL	H ₂ O	PLRE9-2M
Rhodium	1,000 µg/mL	30 mL	10% HCl	PLRH3-2M
Rubidium	1,000 µg/mL	30 mL	2% HCl	PLRB2-2M
Ruthenium	1,000 µg/mL	30 mL	10% HCl	PLRU3-2M
Samarium	1,000 µg/mL	30 mL	2% HNO ₃	PLSM2-2M
Scandium	1,000 µg/mL	30 mL	2% HNO ₃	PLSC2-2M
Selenium	1,000 µg/mL	30 mL	2% HNO ₃	PLSE2-2M
Silicon	1,000 µg/mL	30 mL	H ₂ O/0.4% F ⁻	PLSI9-2M
Silver	1,000 µg/mL	30 mL	2% HNO ₃	PLAG2-2M
Sodium	1,000 µg/mL	30 mL	2% HNO ₃	PLNA2-2M
Strontium	1,000 µg/mL	30 mL	2% HNO ₃	PLSR2-2M
Sulfur	1,000 µg/mL	30 mL	H ₂ O	PLS9-2M
Tantalum	1,000 µg/mL	30 mL	H ₂ O/0.8% HF	PLTA9-2M
Tellurium	1,000 µg/mL	30 mL	10% HNO ₃	PLTE4-2M
Terbium	1,000 µg/mL	30 mL	2% HNO ₃	PLTB2-2M
Thallium	1,000 µg/mL	30 mL	2% HNO ₃	PLTL2-2M
Thorium	1,000 µg/mL	30 mL	2% HNO ₃	PLTH2-2M
Thulium	1,000 µg/mL	30 mL	2% HNO ₃	PLTM2-2M
Tin	1,000 µg/mL	30 mL	20% HCl	PLSN5-2M
Titanium	1,000 µg/mL	30 mL	H ₂ O/0.24% F ⁻	PLTI9-2M
Tungsten	1,000 µg/mL	30 mL	H ₂ O	PLW9-2M
Uranium	1,000 µg/mL	30 mL	2% HNO ₃	PLU2-2M

30 mL Single-Element Standards for ICP and ICP-MS

ICP STANDARDS				
Element	Concentration	Volume	Matrix	Part #
Vanadium	1,000 µg/mL	30 mL	2% HNO ₃	PLV2-2M
Ytterbium	1,000 µg/mL	30 mL	2% HNO ₃	PLYB2-2M
Yttrium	1,000 µg/mL	30 mL	2% HNO ₃	PLY2-2M
Zinc	1,000 µg/mL	30 mL	2% HNO ₃	PLZN2-2M
Zirconium	1,000 µg/mL	30 mL	2% HNO ₃	PLZR2-2M

SPECIATION STANDARDS				
Element	Concentration	Volume	Matrix	Part #
Arsenic ⁺³	1,000 µg/mL	30 mL	2% HCl	SPEC-AS3M
Arsenic ⁺⁵	1,000 µg/mL	30 mL	H ₂ O	SPEC-AS5M
Chromium ⁺³	1,000 µg/mL	30 mL	2% HNO ₃	SPEC-CR3M
Chromium ⁺⁶	1,000 µg/mL	30 mL	H ₂ O	SPEC-CR6M
Selenium ⁺⁴	1,000 µg/mL	30 mL	2% HNO ₃	SPEC-SE4M
Selenium ⁺⁶	1,000 µg/mL	30 mL	H ₂ O	SPEC-SE6M

CAN'T FIND THE STANDARDS YOU ARE LOOKING FOR?

SPEX CertiPrep can make custom standards to meet your exact needs. Contact us for more information.

Contact Us

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