



EDT direction produce a wide range of stock standards to ensure that ISE calibration is both simple, accurate saving valuable time in a busy laboratory.

All of our stock standards are 1000ppm and are supplied in 500ml leak proof bottles. It is anticipated that the end user will prepare standard sets by serial dilution of this stock standard as required.

Please ensure that lower concentration standards (typically below 10ppm) are not kept for future work as this gives cause to potential errors as concentration of these may be affected significantly during storage.

As these standards are used for ion analysis it is important that all standards are diluted using distilled or deionized water. Tap water or softened water cannot be used due to their high ionic content. For successful analysis most applications will require an ISAB (Ionic strength Adjustment Buffer).

All glassware should be clean. If glassware has been washed in tap water or in a glassware washing machine it will need to be rinsed in deionized water prior to use. Residual water causes unwanted dilution, so thoroughly dry glassware prior to use.

Be careful to avoid touching the insides of glassware or containers which are used for measurement if possible. The most common contaminants are Sodium and Chloride from sweat and in some applications this may not be desirable. It is advisable to prepare two standards which should have concentrations that span the expected sample concentration. e.g. a typical Nitrate in water analysis may yield a result of 40ppm

The standards should therefore be 100 and 10ppm made from two serial dilutions from the 100ppm stock.

## ISE Standards

21321	Ammonia Standard Solution	1000ppm	500ml	for use with Ammonia ISE Cat no.3302
21334	Ammonium Standard Solution	1000ppm	500ml	for use with Ammonium ISEs 1051,2051, 3051
21312	Barium Standard Solution	1000ppm	500ml	for use with Barium ISEs 1081,2081
21302	Bromide Standard Solution	1000ppm	500ml	for use with Bromide ISEs 1271,2271
21309	Cadmium Standard Solution	1000ppm	500ml	for use with Cadmium ISEs 1241,2241
21310	Calcium Standard Solution	1000ppm	500ml	for use with Calcium ISEs 1041,2041,3041
21323	Carbonate Standard Solution	1000ppm	500ml	for use with Carbonate ISEs 1091,2091
21301	Chloride Standard Solution	1000ppm	500ml	for use with Chloride ISEs 1261,2261,3261
21306	Copper Standard Solution	1000ppm	500ml	for use with Copper ISEs 1227,2227
21333	Fluoride Standard Solution	1000ppm	500ml	for use with Fluoride ISEs 1221,2221,3221,3221USB
21303	Iodide Standard Solution	1000ppm	500ml	for use with Iodide ISEs 1281,2281
21307	Lead Standard Solution	1000ppm	500ml	for use with Lead ISEs 1231,2231
21311	Nitrate Standard solution	1000ppm	500ml	for use with Nitrate ISEs 1021,2021,3021
21311	Nitrite Standard Solution	1000ppm	500ml	for use with Nitrite ISEs 1071,2071
21314	Potassium Standard Solution	1000ppm	500ml	for use with Potassium ISEs 1031,2031,3031
21308	Silver Standard Solution	1000ppm	500ml	for use with Silver ISEs 1211,2211
21315	Sodium Standard Solution	1000ppm	500ml	for use with Glass Sodium ISE 3301G
21305	Sulphide Standard Solution	1000ppm	500ml	for use with Sulphide ISEs 1225,2225
21332	Thiocyanate Standard Solution	1000ppm	500ml	for use with Thiocyanate ISEs 1229,2229

## Stay in touch with EDT



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