

Conductivity Probe Validation

Accurate, Defensible Data

Accuracy You Can Count On

ERA's newly expanded conductivity line means that regardless of the instrument or application, ERA has the product you need. Our consistently accurate CRMs offer unparalleled assurance that you will meet all of your compliance and quality validation needs for conductivity. Beyond the standard offering of products, ERA's customs group can fulfill even the most complex special request.

Data Confidence

Can you trust the data from your conductivity sensor? Not necessarily, if you are buying standards from the instrument manufacturer.

While some companies purport to offer certified reference materials, only ISO Guide 34 accredited manufacturers are recognized internationally as Certified Reference Material (CRM) producers. ISO Guide 34 provides the highest level of assurance that a manufacturer's reference standards are consistently produced with the highest quality and accuracy, just as ISO 17025 ensures the highest level of proficiency for laboratory quality testing.

ERA is an ISO 17025 and ISO Guide 34 accredited CRM provider. This "Gold Standard" of accreditation is a unique distinction that ultimately ensures your data is accurate and defensible – something you can't get from your instrument manufacturer.¹



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Conductivity Probe Validation Kits

ERA manufactures calibration and verification reference standards for all conductivity instrument types. Use ERA's conductivity CRMs for validating detection limits or determining the accuracy and precision of your conductivity probe/sensor.

Conductivity Validation Kits

Kits available in multiple volumes and include 25 $\mu\text{S}/\text{cm}$, 100 $\mu\text{S}/\text{cm}$ and 146.93 $\mu\text{S}/\text{cm}$ level solutions for probe validation.

Individual Low-level Conductivity Standards

25 $\mu\text{S}/\text{cm}$

Our Solution 25 can verify that the accuracy of your cell meets the USP requirements and will positively demonstrate and document that you are using non-compensated conductivity measurements as required.

Individual Mid-level Conductivity Standards

100 $\mu\text{S}/\text{cm}$

Manufactured using NIST traceable materials and certified, this KCl solution is an excellent calibration or calibration verification solution.

Individual Mid-level Conductivity Standards

ASTM Solution D at 146.93 $\mu\text{S}/\text{cm}$

This solution is the lowest level solution that can be made following a NIST protocol for conductivity solution preparations. This standard makes an excellent calibration or verification solution together with our Solution 25.

High-level Conductivity Standards

1,408.8 $\mu\text{S}/\text{cm}$, 10,000 $\mu\text{S}/\text{cm}$, 100,000 $\mu\text{S}/\text{cm}$

All solutions offer superior accuracy at mid- to high-levels for conductivity sensor validation and verification.

For specific product information or a catalog, contact your local representative or visit eraqc.com

¹ ERA's U.S. facility is accredited to ISO Guide 34, ISO 17025 and ISO 17043 by American Association of Laboratory Accreditation (A2LA) and registered to ISO 9001:2008 by National Quality Association (NQA).

ERA's UK facility is accredited to ISO Guide 34 and ISO 17025 by United Kingdom Accreditation Society (UKAS) and registered to ISO 9001:2008 by Lloyd's Register Quality Assurance (LRQA).



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