

Cole-Parmer Traceable® Conductivity Solutions and Accessories

NIST-traceable calibration standards have the highest available accuracy of ±0.25%

New

Traceable® Conductivity Calibration Standards

A Traceable to NIST standards. Each bottle is supplied with an NIST traceable certificate and information from batch testing. Also includes step-by-step calibration instructions and temperature-compensation chart. One 16-oz glass bottle.

B Traceable to NIST standards; from an ISO-17025 A2LA-accredited laboratory. Individually serial numbered and tested bottles are supplied with an A2LA NIST traceability certificate and information from individual bottle testing. Also includes step-by-step calibration instructions and temperature-compensation chart. One 16-oz glass bottle.

C One-Shot® vials; traceable to NIST standards. These convenient single-use vials eliminate contamination concerns and are ideal for the lab as well as the field. Calibration is performed in the large 3½"H x 1¾" dia, PE vial that accommodates virtually any conductivity probe. Supplied with an NIST traceable certificate and temperature-compensation chart. Pack of six vials, each containing 100 mL of conductivity solution.

Specifications & Ordering Info



Catalog number	Conductivity (µS)	Resistivity (MΩ)	TDS (ppm)	Price
A NIST certification; one 16-oz glass bottle				
K-00652-20	1	1	0.66	
K-00652-22	5	0.2	3.3	
K-00652-24	10	0.1	6.6	
K-00652-26	100	0.01	66	
K-00652-28	1000	0.001	666	
K-00652-30	1413	0.00071	933	
K-00652-32	10,000	0.0001	6666	
K-00652-34	100,000	0.00001	66,666	



A
00652-24

B NIST/ISO 17025 A2LA certification; one 16-oz glass bottle				
K-00652-40	1	1	0.66	
K-00652-42	5	0.2	3.3	
K-00652-44	10	0.1	6.6	
K-00652-46	100	0.01	66	
K-00652-48	1000	0.001	666	
K-00652-50	1413	0.00071	933	
K-00652-52	10,000	0.0001	6666	
K-00652-54	100,000	0.00001	66,666	



C
00652-62

C NIST certification; One-Shot® pack of six 100-mL vials				
K-00652-60	5	0.2	3.3	
K-00652-62	10	0.1	6.6	
K-00652-64	100	0.01	66	
K-00652-66	1000	0.001	666	
K-00652-68	1413	0.00071	933	
K-00652-70	10,000	0.0001	6666	
K-00652-72	100,000	0.00001	66,666	
K-00652-74	Assortment*	—	—	

*Assortment contains one 100-mL vial each of 10, 100, 1000, 1413, 10,000, and 100,000 µS.

Redi-Stor™ Conductivity Probe Storage Solution is ideal for storing and conditioning your conductivity probes. It preserves the probe's cleanliness, allows immediate use, and reduces contamination that can occur with storing probe in water only.

K-00652-80 Redi-Stor™ conductivity probe storage solution, 16-oz bottle

Conductivity/pH Probe Universal Flow-Through Adapter allows constant monitoring of flowing fluids with a ½" (12-mm) dip-style conductivity or pH electrode. Constructed of chemically inert PTFE with an overall size of 2¼"H x 1" dia; connectors accept tubing with a ⅛" to ¼" ID. Flow range: 0.001 to 50 mL/min. Temperature range: -73 to 260°C (-100 to 500°F). Cell volume: approx 2 to 4 mL, depending upon probe position.

K-00652-85 Conductivity/pH probe universal flow-through adapter

Conductivity Calibration Solutions

NIST-traceable standards to calibrate your conductivity or total dissolved solids (TDS) meter

All calibration solutions have a certificate of analysis available. Use solutions with 442™ concentration values (40% Na₂SO₄, 40% NaHCO₃, 20% NaCl) for most applications. Seawater or brackish water applications require solutions with NaCl concentration values. All values listed in tables are referenced to 25°C.



Note: Myron L solutions include Certificates of Analysis in package. Oakton® certificates available at www.coleparmer.com or call our Application Specialists for more information.

Specifications & Ordering Information

Catalog number	Conductivity (µS**)	Conductivity-to-TDS calibration values			Price
		ppm KCl	ppm NaCl	ppm 442	
Oakton® calibration solutions, 500 mL (17 oz); ±0.5% at 25°C					
K-00653-23	23	11.6	10.7	14.74	
K-00653-16	84	40.38	38.04	50.5	
K-00653-47	447	226	215	300	
K-00653-18	1413	745	702	1000	
K-00653-15	1500	757	737	1050	
K-00653-27	2070	1045	1041	1500	
K-00653-20	2764	1382	1414	2062	
K-00653-89	8974	5101	4487	7608	
K-00606-10	12,880	7447	7230	11,367	
K-00653-50	15,000	8759	8532	13,455	
K-00653-32	80,000	52,168	48,384	79,688	
Myron L calibration solutions with NIST certificates, 32 oz; ±1% at 25°C					
K-01489-90	23.8	—	11.08	15	
K-01489-91	46.7	—	21.8	30	
K-01489-92	70	—	32.8	45	
K-01489-93	445	—	214	300	
K-01489-94	700	—	340	478	
K-01489-95	2060	—	1036	1500	
K-01489-96	3900	—	2027	3000	
K-01489-97	7000	—	3740	5687	
K-01489-98	16,630	—	9462	15,000	
K-01489-99	30,100	—	18,235	30,000	
YSI® calibration solutions, 32 oz; ±0.5% at 25°C					
K-01482-54	1000	—	495	—	
K-01482-56	10,000	—	5400	—	
K-01482-58	100,000	—	—	—	

*Trademark of Myron L Company

**1 µS = 1 µmho

Conductivity Calibration Pouches

Single-use 20-mL pouches are sealed to ensure freshness—take these convenient buffer solutions anywhere! A µS-to-ppm conversion table is printed on each pack for quick reference. Accuracy is ±1% at 25°C.



35653-11

Catalog number	Conductivity µS	ppm KCL	ppm NaCl	ppm 442	Price/ pk of 20
K-35653-09	10	4.8	4.7	7.0	
K-35653-10	447	226	216	300	
K-35653-11	1413	745	702	1000	
K-35653-12	2764	1382	1414	2062	
K-35653-13	15,000	8759	8532	13,445	
K-35653-00	Rinse solution	—	—	—	