

Cole-Parmer® Conductivity Solutions, NIST-Traceable

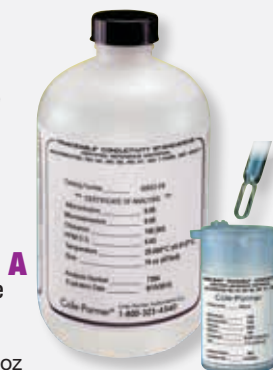
Reference Materials

Trust your standards—high accuracy

- Up to $\pm 0.25\%$ accuracy verified by an ISO Guide 34 and ISO 17025 accredited lab

A. Batch-Tested Bottles, 16-oz

- Easy calibration with included instructions and temperature compensation chart
- Includes NIST-traceable certificate and batch testing information



B. Individually Tested Bottles, 16-oz

- Each bottle individually calibrated—NIST-traceable certificate included with serial number and testing information
- Easy calibration with step-by-step instructions and included temperature compensation chart

C. One-Shot® Vials, pack of six 3.4-oz vials

- Fresh solution each time you calibrate—single-use vials eliminate contamination
- Grab it and go—convenient for field use; calibrate right in vial
- Includes NIST-traceable calibration report and temperature compensation chart



Conductivity (µS)	Resistivity (MΩ)	TDS (ppm)	Catalog number	Price
A. Batch tested, one 16-oz (473-mL) glass bottle				
1	1	0.66	GY-00652-20	
5	0.2	3.3	GY-00652-22	
10	0.1	6.6	GY-00652-24	
100	0.01	66	GY-00652-26	
1000	0.001	666	GY-00652-28	
1413	0.00071	933	GY-00652-30	
10,000	0.0001	6666	GY-00652-32	
100,000	0.00001	66,666	GY-00652-34	
150,000	0.0000066	100,000	GY-00652-53	
200,000	0.000005	133,333	GY-00652-55	
B. Individually tested, one 16-oz (473-mL) glass bottle				
1	1	0.66	GY-00652-40	
5	0.2	3.3	GY-00652-42	
10	0.1	6.6	GY-00652-44	
100	0.01	66	GY-00652-46	
1000	0.001	666	GY-00652-48	
1413	0.00071	933	GY-00652-50	
10,000	0.0001	6666	GY-00652-52	
100,000	0.00001	66,666	GY-00652-54	
150,000	0.0000066	100,000	GY-00652-56	
200,000	0.000005	133,333	GY-00652-58	
C. One-Shot®, pack of six 3.4-oz (100-mL) vials				
5	0.2	3.3	GY-00652-60	
10	0.1	6.6	GY-00652-62	
100	0.01	66	GY-00652-64	
1000	0.001	666	GY-00652-66	
1413	0.00071	933	GY-00652-68	
10,000	0.0001	6666	GY-00652-70	
100,000	0.00001	66,666	GY-00652-72	
150,000	0.0000066	100,000	GY-00652-76	
200,000	0.000005	133,333	GY-00652-78	
Assortment†	—	—	GY-00652-74	

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

Oakton® Calibration Solutions

Save money while calibrating

- KCl, NaCl, and 442 conversions printed right on the bottle
- Temperature corrections at hand—printed right on the bottle

Include NIST-traceable calibration report supplied by the manufacturer. One 17-oz (500-mL) bottle.



Conductivity (µS)	Conductivity-to-TDS calibration values			Catalog number	Price
	ppm KCl	ppm NaCl	ppm 442		
23	11.6	10.7	14.74	GY-00653-23	
84	40.38	38.04	50.5	GY-00653-16	
447	226	215	300	GY-00653-47	
1413	745	702	1000	GY-00653-18	
1500	757	737	1050	GY-00653-15	
2070	1045	1041	1500	GY-00653-27	
2764	1382	1414	2062	GY-00653-20	
8974	5101	4487	7608	GY-00653-89	
12,880	7447	7230	11,367	GY-00606-10	
15,000	8759	8532	13,455	GY-00653-50	
80,000	52,168	48,384	79,688	GY-00653-32	

Conductivity Calibration Solutions

Use with any meter

Available in portable 5 x 60 mL bottles which are easier to carry than larger bottles, minimize wasted solution, and provide more volume than pouches.



Conductivity (µS)	ppm NaCl	Qty/pk	Catalog number	Price/pk
100	47	Five 60-mL bottles	GY-19704-90	
1413	692		GY-19704-91	
12900	7230		GY-19704-92	
111000	—		GY-19704-93	

Accessories

GY-19704-94 KCl standard (0.1 M),
12900 µS, 7230 ppm NaCl, 475-mL bottle

Teky's Tips

Conductivities of commonly measured solutions:

Ultrapure water	0.055 µS
Deionized water	0.1 to 10 µS
Distilled water	0.5 µS
Boiler feed water	1.0 µS
Good city water	50 µS
Drinking water	0.5 to 1 mS
Wastewater	0.9 to 9 mS
Sea water	53 mS
10% NaOH	355 mS
10% H ₂ SO ₄	432 mS

When measuring conductivity, it is important to calibrate your meter using a standard solution close to your measured range.

