



Thermo Scientific Orion pH Buffers and Solutions

We have the pH buffers, storage solutions, cleaning solutions, kits and pH electrode filling solutions for every application. All Orion pH buffers and standards are traceable to NIST reference materials. A wide variety of sizes are available from 15 mL single use pouches to large volume 19 L cubitainers.



pH Buffers in 475 mL (1 Pint) Bottles

Great for standard laboratory applications and everyday use

Cat. No.	Description
810199	ROSS All-in-One pH Buffer Kit 475 mL each of pH 4.01, 7.00 and 10.01 buffers; 475 mL of ROSS pH electrode storage solution (810001); 60 mL of pH electrode cleaning solution; and 12 mm diameter electrode storage bottle
910199	Standard All-in-One pH Buffer Kit 475 mL each of pH 4.01, 7.00 and 10.01 buffers; 475 mL of pH electrode storage solution (910001); and 12 mm diameter electrode storage bottle
910168	pH 1.68 buffer, NIST traceable, 475 mL
910104	pH 4.01 buffer, color coded red, NIST traceable, 475 mL
910105	pH 5.00 buffer, color coded orange, NIST traceable, 475 mL
910686	pH 6.86 buffer, DIN standard, NIST traceable, 475 mL
910107	pH 7.00 buffer, color coded yellow, NIST traceable, 475 mL
910918	pH 9.18 buffer, DIN standard, NIST traceable, 475 mL
910110	pH 10.01 buffer, color coded blue, NIST traceable, 475 mL
910112	pH 12.46 buffer, NIST traceable, 475 mL



pH Buffers in 5 x 60 mL (5 x 2 Oz) Bottles

Perfect for field measurements, occasional pH analysis or limited lab space

Cat. No.	Description
916099	All-in-One 60 mL pH Buffer Kit 60 mL each of pH 4.01, 7.00 and 10.01 buffers; 60 mL of pH electrode storage solution (910060); and 60 mL of pH electrode cleaning solution (900024)
9116860	pH 1.68 buffer, NIST traceable, 5 x 60 mL
910460	pH 4.01 buffer, color coded red, NIST traceable, 5 x 60 mL
916860	pH 6.86 buffer, DIN standard, NIST traceable, 5 x 60 mL
910760	pH 7.00 buffer, color coded yellow, NIST traceable, 5 x 60 mL
9191860	pH 9.18 buffer, DIN Standard, NIST traceable, 5 x 60 mL
911060	pH 10.01 buffer, color coded blue, NIST traceable, 5 x 60 mL
911260-WA	pH 12.46 buffer, NIST traceable, 5 x 60 mL



pH Buffers and Rinse Solution in Individual Use Pouches
Ideal for field measurements, pharma applications or single use buffer requirements

Cat. No.	Description
910410-WA	pH 4.01 Buffer, Color Coded Red, NIST Traceable
910425	Individual use pouches, 10 x 15 mL
910710	pH 7.00 Buffer, Color Coded Yellow, NIST Traceable
910725	Individual use pouches, 10 x 15 mL
911010	pH 10.01 Buffer, Color Coded Blue, NIST Traceable
911025-WA	Individual use pouches, 10 x 15 mL
911110	pH Electrode Rinse Solution
911125	Individual use pouches, 10 x 15 mL



pH Buffers in 19 L (5 Gallon) Cubitainers with Easy-Pour Spout

Excellent for large laboratories and multiple users

Cat. No.	Description
9104CB	pH 4.01 buffer, color coded red, NIST traceable, 19 L (5 gallon) cubitainer
9107CB	pH 7.00 buffer, color coded yellow, NIST traceable, 19 L (5 gallon) cubitainer
9110CB	pH 10.01 buffer, color coded blue, NIST traceable, 19 L (5 gallon) cubitainer



pH Electrode Storage Solution and ROSS pH Electrode Storage Solution

Get the fastest, most reliable performance from your pH electrode

Cat. No.	Description
810199	ROSS All-in-One pH Buffer Kit 475 mL each of pH 4.01, 7.00 and 10.01 buffers; 475 mL of ROSS pH electrode storage solution (810001); 60 mL of pH electrode cleaning solution; and 12 mm diameter electrode storage bottle
910199	Standard All-in-One pH Buffer Kit 475 mL each of pH 4.01, 7.00 and 10.01 buffers; 475 mL of pH electrode storage solution (910001); and 12 mm diameter electrode storage bottle
916099	All-in-One 60 mL pH Buffer Kit 60 mL each of pH 4.01, 7.00 and 10.01 buffers; 60 mL of pH electrode storage solution (910060); and 60 mL of pH electrode cleaning solution (900024)
810001	ROSS pH Electrode Storage Solution 475 mL
910001	pH Electrode Storage Solution 475 mL
910060	5 x 60 mL
9100CB	19 L (5 gallon) cubitainer



pH Electrode Cleaning Solutions

Specially formulated cleaning solutions for slow, dirty or clogged pH electrodes

Cat. No.	Description
900020	pH Electrode Cleaning Kit – 30 mL of cleaning solution A and C, 60 mL of cleaning solution B and D, beaker and pipet
900021-WA	pH electrode cleaning solution A for protein removal, 4 x 30 mL, beaker and pipet
900022-WA	pH electrode cleaning solution B for bacteria removal, 4 x 60 mL, beaker and pipet
900023	pH electrode cleaning solution C for general cleaning, 4 x 30 mL, beaker and pipet
900024	pH electrode cleaning solution D for general cleaning and oil and grease removal, 4 x 60 mL, beaker and pipet
510015	Stain lifter solution for no cal fill solution and ORP standard stain removal, 60 mL



pH Specialty Solutions and ORP Standards

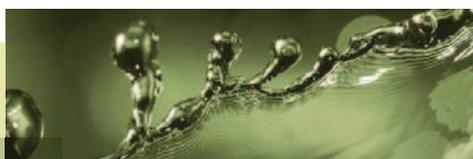
Cat. No.	Description
700001	Pure Water Low Ionic Strength pH Test Kit – 4 x 475 mL of pH 6.97 buffer, 2 x 475 mL of pH 4.10 buffer, 2 x 60 mL of pHISA adjuster and app note
700003	Pure water pHISA low ionic strength adjuster, 5 x 60 mL
700402	Pure water pH 4.10 buffer B for low ionic strength pH samples, 4 x 475 mL
700702	Pure water pH 6.97 buffer A for low ionic strength pH samples, 4 x 475 mL
700902	Pure water pH 9.15 buffer C for low ionic strength pH samples, 4 x 475 mL
700010	Total Alkalinity Test Kit – 475 mL of alkalinity reagent (700011-WA), 475 mL of alkalinity standard (700012), conversion chart and app note
700011-WA	Total alkalinity reagent refill, 4 x 475 mL
700012	Total alkalinity standard/control refill, 475 mL
967901	ORP Standard , +420 mV vs. standard hydrogen electrode (EH), +220 mV vs. Ag/AgCl electrode using 900011 fill solution, 475 mL
967961	ORP Standard , +420 mV vs. standard hydrogen electrode (EH), +220 mV vs. Ag/AgCl electrode using 900011 fill solution, 5 x 60 mL



Pure Water® pH Test Kit: Get fast, accurate pH results in high purity waters such as well, rain, distilled/deionized, boiler feed and process. The kit includes special low ionic strength buffers and pHISA additive that increases sample ionic strength without changing the pH. For best results, a high quality pH electrode such as the ROSS Ultra 8102BNUWP is recommended (purchase separately).



Total Alkalinity Test Kit: A two-step direct measurement of total alkalinity and pH. Calibrate for pH, add alkalinity reagent and read total alkalinity of 0-200 ppm CaCO₃ from the included pH conversion chart.



Thermo Scientific Orion Electrode Fill Solutions and Accessories



pH Electrode and Reference Electrode Fill Solutions

Ensure the proper performance and function from your electrode by using our specially formulated fill solutions

Cat. No.	Description	Use With Electrodes
810007	ROSS electrode fill solution, 3 M KCl, 5 x 60 mL	ROSS Ultra, ROSS and Micro ROSS Electrodes 800300, 800500U, 8102BN, 8102BNUWP, 8103BN, 8103BNUWP, 8104BN, 8104BNUWP, 8115BN, 8115BNUWP, 8135BN, 8135BNUWP, 815600, 8156BNUWP, 8157BNU, 8157BNUMD, 8157UWMMD, 8163BNWP, 8165BNWP, 8172BNWP, 8175BNWP, 8220BNWP, 8302BNUMD
900011	Silver Chloride pH electrode fill solution, 4 M KCl with Ag/AgCl, 5 x 60 mL	Standard, Specialty, Single Junction Refillable Green, Micro and ORP Electrodes 9102BNWP, 9103BNWP, 9104BNWP, 9156BNWP, 9157BN, 9157BNMD, 9162BNWP, 9165BNWP, 9172BNWP, 9180BN, 9180BNMD, 9678BNWP, 9778BNWP, 9780SC, 9810BN, 9826BN, 9863BN, GS9156BNWP
900004	Silver Chloride pH electrode (low level) fill solution, 2 M KCl with Ag/AgCl, 5 x 60 mL	Standard, Specialty, Single Junction Refillable Green, Micro and ORP Electrodes (low ionic strength samples) 9102BNWP, 9103BNWP, 9104BNWP, 9156BNWP, 9157BN, 9157BNMD, 9162BNWP, 9165BNWP, 9172BNWP, 9180BN, 9180BNMD, 9678BNWP, 9778BNWP, 9780SC, 9810BN, 9826BN, 9863BN, GS9156BNWP
910008-WA	Double junction pH electrode fill solution, 3 M KCl, 5 x 60 mL	Double Junction, Double Junction Refillable Green and KNpHE Electrodes 9102DJWP, 9110DJWP, 9120APWP, GD9156BNWP
510011	No Cal pH electrode fill solution, 5 x 60 mL	No Cal Electrodes 5107BNMD, 5107NC
610001	pHuture pH electrode fill solution, 5 x 60 mL	pHuture Electrodes
900001	Single junction reference electrode fill solution, equitransferent solution with Ag/AgCl, 5 x 60 mL	Single Junction Reference Electrode 900100
900002	Double junction reference electrode inner fill solution, equitransferent solution with Ag/AgCl, 5 x 60 mL	Double Junction Reference Electrode 900200
900003	Double junction reference electrode outer fill solution, 10 % KNO ₃ , 5 x 60 mL	Double Junction Reference Electrode 900200

pH Accessories

Cat. No.	Description
020017	No Cal electrode storage chamber
810017	Storage sleeve and base for 12 mm x 120 mm electrodes
910003	12 mm electrode storage bottles, 3 pack
910004	8 mm electrode storage bottles, 3 pack
910005	Bulb guard for glass pH electrode, 5 pack
910006	6 mm electrode storage bottles, 3 pack



Signifies a hazardous solution.
See terms and conditions for important shipping information at www.thermoscientific.com/water.

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