

It is important in all drop titrations to hold the titrant vertically. This ensures proper drop size.



Code 5860-01

Order Code	Test System [Detailed On Pages 6-7]	Range/Sensitivity	# of Tests [# Reagents]	Reagent Refill Order Code	Shipping Code [Weight/Lbs]
OXYGEN, DISSOLVED The azide modification of the Winkler method is a modified iodometric titration whereby oxygen, in the presence of a strong alkali, oxidizes manganese, which in turn reacts with iodide to form iodine. This is titrated with a standard thiosulfate solution in the presence of a starch indicator to enhance the endpoint. Azide eliminates nitrite interference.					
5860-01	All liquid reagents Direct Reading Titrator	0-10 ppm/0.2 ppm O ₂	50 at 10 ppm [5]	R-5860-01	R1 [2]
OZONE DPD reacts with ozone, but any other oxidizers will interfere. The Indigo Trisulfonate method includes a step to eliminate chlorine interference, but bromine will interfere. It is preferred for the analysis of salt water samples.					
3249 DC1500-OZ	Indigo Trisulfonate Colorimeter	0-0.4 ppm/0.04 ppm O ₃	100 [3]	R-3678-01	NH [7]
PERACETIC ACID/HYDROGEN PEROXIDE This test is a combination of two separate titrations. The first is a cerium titration of peroxide. The second is an iodometric titration of peracetic acid.					
7191-02	Dropper Bottle	1 drop = 50 ppm Peroxide 1 drop = 6, 15 or 300 ppm Peracetic Acid	50 [5]	R-7191-02	R1 [2]
PERACETIC ACID TEST STRIP					
3000	Test Strips	0, 10, 20, 50, 85, 160 ppm	50	—	NH [1]
3000LR	Test Strips	0, 5, 10, 20, 30, 50 ppm	50	—	NH [1]
3000HR	Test Strips	0, 50, 100, 250, 500, 1000	50	—	NH [1]
pH TEST PAPERS					
2907	Test Papers	6.8-8.4 pH/0.4 pH	1 Roll	—	NH [1]
2912	Test Papers	3.0-10.0 pH/1 pH	200 Strips	—	NH [1]
2953	Test Papers	4.5-7.5 pH/0.5 pH	1 Roll	—	NH [1]
2954	Test Papers	0-13 pH/1 pH	1 Roll	—	NH [1]
2956	Test Papers	1-11 pH/1 pH	1 Roll	—	NH [1]
2959	Test Papers	8-12 pH/0.5 pH	2 Rolls	—	NH [1]
3-2950	pH Indicator Sticks	0-14/1 pH	100 Strips	—	NH [1]

Ship Codes: [NH] Non-Hazardous Material - No Fees · [R1] Small Qty. Hazardous Material - No Fees · [LQ, R2, R3] Hazardous Material - Air Fees Only · [HF] Hazardous Material - Air & Ground Fees
 * [NPDWR] EPA Accepted · † [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

pH

pH must be controlled and monitored because it plays an essential role in almost all chemical and biological processes.

pH indicators work in a specific range. Samples with a pH above the range of an indicator may match the highest standard on the comparator; samples below the range may match the lowest standard.

Code 5858-01



LaMotte pH Test Kits

The "Precision Wide Range" pH kit includes the Octa-Slide comparator and reagents to provide 100 tests. Other pH test kits consist of an Octa-Slide Comparator, and a reagent for 50 tests. LaMotte Company has been supplying laboratory quality pH indicator tests to professional analysts for more than eighty years; these are the most reliable, economical pH test kits available. Simply fill the tube to the mark with the sample water, add several drops of indicator, and compare the resulting color against the eight permanent color standards in the comparator.

How To Select The Right pH Kit:

Single or Wide Range?

Single range kits cover a range of 1.4 pH units in 0.2 unit increments (0.1 unit sensitivity). Wide range kits cover pH units in increments of 0.5.

Which Range?

Choose a kit in which the midpoint of the range covered is as close to the average or optimum pH value of the sample water. If this value is unknown, choose the Precision Wide Range Kit.

Indicators specific to a particular pH range allow colorimetric determination of pH. If the water to be tested is cloudy, one may wish to use a pH meter.



See Instrument Section, pages 24-32 for pH meters.

Order Code	pH Indicator	Octa-Slide Comparator Color Standard Values In pH Units								Reagent Refill Oder Code	Hazard (Shipping Weight/Lbs)
pH											
2109-01	Bromthymol Blue	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	R-2109-01	NH (1)
2110-01	Phenol Red	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	R-2110-01	NH (1)
2111-01	Cresol Red	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	R-2111-01	NH (1)
2112-01	Thymol Blue	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	R-2112-01	NH (1)
5858-01	Precision Wide Range	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	R-5858-01	R1 (1)
		7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5		
3353-01	Precision Wide Range	5.0	6.0	6.5	7.0	7.5	8.0	9.0	10.0	R-3353-01	R1

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 *(NPDR) EPA Accepted · †(NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.