

Taylor's pH Test Kits

INTRODUCTION

Defined as the negative logarithm of the water's hydrogen ion concentration and measured on a scale that runs from 0 to 14, pH indicates whether water is acidic, neutral, or basic (alkaline). Because **pH significantly affects most chemical and biological processes**, it is one of the most important and frequently tested parameters in water chemistry. Taylor offers both liquid and electronic tests in ranges throughout the pH scale. Note: All pH values are measured in units of 0.2 unless otherwise indicated.

SLIDE™ COMPARATORS

If your water samples contain color and/or turbidity, be sure to choose a test method that can compensate. These pH tests employ Slide™ comparators **to prevent interference from color and turbidity**. The impact-resistant comparator block holds nine liquid-color standards for making accurate color matches.

Kit No.	pH Indicator	Range
K-1011-J	phenol red	6.8–8.4
K-1011-K	cresol red	7.2–8.8

MIDGET™ COMPARATORS

These pH tests use a **value-priced** Midget™ comparator, which is the perfect choice when color and turbidity are not present in a water sample or have been filtered out prior to testing. The comparator block holds eight liquid-color standards.

Kit No.	pH Indicator	Range
K-1285-1	long range	3.0–10.0 (1.0 units)
K-1285-2	phenol red	6.8–8.2
K-1285-6	cresol red	7.2–8.6

COLOR CARD COMPARATOR

Color Card comparators are a simple, low-cost, easy-to-use test option. Ours feature **spot-printed color standards** for accurate color reproduction, and they're **laminated** so the standards are protected from water and chemicals.

Kit No.	pH Indicator	Range
K-1592	long range	3.0–11.0 (1.0 units)



Midget comparators (#9052 shown) are the economical choice for monitoring pH when color and turbidity are absent. Use the syringe filter (#9803, right, plus appropriate size filter discs) to remove these interferences from your sample.

TEST PAPERS

Taylor also offers these pH test papers:

Part No.	Range
6018	1–14
6254	6.5–10.0

ELECTRONIC METERS

When you need increased accuracy in your pH tests, consider handheld meters from the **Myron L Company**. Calibration solutions are available and sold separately.

Item	ML Model	Range
M-6530	TPH1	0–14 (0.01 units)
		(also measures conductivity, temperature, total dissolved solids)
M-6556	PT2 pocket tester pen	0–14 (0.01 units)
		(also measures temperature)



the most trusted name in water testing

Taylor Technologies, Inc.
410-472-4340
800-TEST KIT (837-8548)
www.taylortechnologies.com

ISO 9001:2008 Certified

USER BENEFITS

- Slide comparators (using nine liquid-color standards molded in impact-resistant plastic) are **designed to compensate for color and turbidity**. Midget comparators (using eight liquid-color standards) are the **economical alternative when color and turbidity are not present**.
- **Color Card comparators are laminated** to protect the printed-color standards from water and chemicals.
- **All Myron L meters** are warranted by the manufacturer for two years (pH sensor, six months) except the pocket tester pen which has a one-year warranty (pH sensor, six months).
- Test kits **come complete** with all necessary reagents and equipment.
- **Waterproof instructions** are printed on plastic-impregnated paper that resists fading and tearing.
- Custom-molded, durable plastic cases provide **safe storage** for all tests.
- **Proven chemistries** are based on *Standard Methods for the Examination of Water and Wastewater*, APHA, Washington, DC, and/or *American Society for Testing and Materials*, ASTM, Philadelphia, PA. Some methods use proprietary chemistry developed by Taylor Technologies.


ALSO AVAILABLE

- Various **combination kits** containing pH tests in application-specific ranges.
- **Buffer solutions** for pH 2.0, 4.0, 7.0, 9.0, 10.0.
- A wide array of single- and multiparameter kits featuring color-matching and/or drop-count tests.
- Taylor's TTI® Colorimeter (M-3000); test 30+ parameters commonly encountered in commercial and industrial settings and transfer results to a PC database.
- Testing supplies and kit replacement parts (e.g., burets, flasks, test tubes, and test cells).
- **Video demonstrations** for new users posted on our website.
- Toll-free technical assistance at **800-TEST KIT**.

REPRESENTATIVE TEST PROCEDURE

Reproduced from K-1011-J instruction:

COLOR COMPARISON TEST			Instr. #5158	
pH			APPARATUS:	
SLIDE COMPARATORS	Range*	Reagent	3 x 3243	Cap, Test Cell (11.5 mL), plastic
9065 Chlorophenol Red	5.2-6.8	R-1003G	3 x 4024	Test Cell, Calibrated (11.5 mL), plastic
9066 Bromthymol Blue	6.0-7.6	R-1002H	1 x 4030	Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic
9067 Phenol Red	6.8-8.4	R-1003J	1 x 5158	Instruction
9068 Cresol Red	7.2-8.8	R-1003K	1 x 6002	Brush, Test Cell
9069 Meta Cresol Purple	7.6-9.2	R-1003L	1 x 9189	Base, Slide Comparator, Enslow (for test cells)
9070 Thymol Blue	8.0-9.6	R-1003M	OR	
9071 Phthalein Red	8.6-10.2	R-1003N	3 x 3267	Cap, Test Cell (5 mL), plastic
9072 Toly Red	10.0-11.6	R-1003O	3 x 4025	Test Cell, Calibrated (5 mL), plastic
9074 Parazo Orange	11.0-12.6	R-1003Q	1 x 4030	Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic
9076 Benzo Red (intervals of 0.4)	4.4-7.6	R-1003S	1 x 5158	Instruction
9077 Thymol Red (intervals of 0.4)	8.0-11.2	R-1003T	1 x 6002	Brush, Test Cell
9078 Long Range (intervals of 1.0)	3.0-11.0	R-1003U	1 x 9189	Base, Slide Comparator, Enslow (for test cells)
*Intervals of 0.2 pH units unless otherwise indicated.			OR	
			5 x 4023	Test Tube, Calibrated (5 mL), glass
			1 x 4030	Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic
			1 x 5158	Instruction
			1 x 6002	Brush, Test Cell
			1 x 6021	Stopper, Test Tube (5 mL, calibrated), rubber
			1 x 9190	Base, Slide Comparator (for test tubes)
TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-TEST KIT (800-837-8548).				
PROCEDURE: CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS. KEEP REAGENTS AWAY FROM CHILDREN.				
(OVER)				

pH Test		Instr. #5158	
1. Rinse and fill three test cells (test tubes) to mark with water to be tested.			
2. Wipe dry and place in three center slots (holes) of comparator base (#9189 or #9190). Test cells (#4024 and #4025) must be placed WITH FROSTED SIDE FACING OPERATOR.			
3. Using 1.0 mL pipet (#4030 or #4029), add 0.5 mL pH Indicator to center test cell (test tube). Cap and mix.			
4. Wipe dry and place in center slot (hole) of comparator base.			
5. Place Slide on comparator base. Match color in center test cell (test tube) with a color standard. The Slide is in proper alignment for a color match when a white line on the Slide is directly above the white line on the comparator base. Record as pH units.			
NOTE: If sample color matches highest or lowest color standard: Use a pH Slide and pH Indicator with a higher or lower range. Repeat test.			
NOTE: Do not filter sample. If sample is too cloudy: Fill a small bottle with sample. Cap tightly. Wait for suspended matter to settle. Decant to three test cells (test tubes). Proceed to Step 2.			
		31 Loveton Circle, Sparks, MD 21152 U.S.A. 800-TEST KIT (837-8548) • 410-472-4340	
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