

# Taylor's pH Test Kits

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## 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-H	bromthymol blue	6.0–7.6
K-1011-J	phenol red	6.8–8.4
K-1011-K	cresol red	7.2–8.8
K-1011-L	meta cresol purple	7.6–9.2
K-1011-M	thymol blue	8.0–9.6
K-1011-O	tolyl red	10.0–11.6
K-1011-U	long range	3.0–11.0 (1.0 units)

## 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-1285-4	bromthymol blue	6.0–7.4
K-1285-5	chlorphenol red	5.2–6.6
K-1285-6	cresol red	7.2–8.6
K-1285-7	thymol blue	8.2–9.6



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.

## LONG VIEWPATH COMPARATOR

The pH test using our Long Viewpath™ comparator is **ideal for measuring unbuffered solutions** such as steam condensate or distilled or deionized water. The larger test cell found in this kit increases the ratio of water sample to pH indicator, preventing any change in the sample pH that could be caused by the addition of the pH indicator itself.

Kit No.	pH Indicator	Range
K-3232	bromthymol blue/ meta cresol purple	6.0–9.2 (0.4 units)

## 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)
K-1670	long range	5.0–9.0 (5.0, 6.0, 6.8, 7.4, 8.0, 9.0)



*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

## TEST PAPERS

Taylor also offers these pH test papers:

Part No.	Range	Part No.	Range
6018	1–14	6254	6.5–10.0
6019	6–8	6255	0–14
6030	3–8	6256	0–6
6031	9–12	9315	1.8–3.8
6051	2.5–4.5		

## 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
6510	TH1	0–14 (0.01 units) (also measures temperature)
6530	TPH1	0–14 (0.01 units) (also measures conductivity, temperature, total dissolved solids)
6556	PT2 pocket tester pen	0–14 (0.01 units) (also measures temperature)

## REPRESENTATIVE TEST PROCEDURE

Reproduced from K-1285 instruction:

MIDGET COMPARATOR TEST			Instr. #5198
	pH		
MIDGET:	RANGE:	REAGENT:	
9237 Chlorphenol Red	5.2 - 6.6	R-1003G	
9036 Bromthymol Blue	6.0 - 7.4	R-1003H	
9053 Phenol Red	6.8 - 8.2	R-1003J	
9006 Cresol Red	7.2 - 8.6	R-1003K	
9321 Thymol Blue	8.2 - 9.6	R-1003M	
9052 Long Range	3.0 - 10.0	R-1003U	


APPARATUS:  
1 x 3243 Cap, Test Cell, 11.5 mL, rectangular, plastic  
1 x 4024 Test Cell, Calibrated 11.5 mL, plastic  
1 x 4028 Pipet, Calibrated 0.5 mL, plastic w/cap  
1 x 5198 Instruction  
1 x 6002 Brush, Cell Cleaner

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE 800-837-8548.

PROCEDURE:  
CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.  
KEEP REAGENTS AWAY FROM CHILDREN.

1. Rinse and fill 11.5 mL test cell (#4024) to 11.5 mL mark with water to be tested.
2. Using a 0.5 mL pipet (#4028), add 0.5 mL pH Indicator. Cap and mix.
3. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.
4. Match color in test cell with a color standard. Record as pH units.

NOTE: If sample color is between two values, pH is average of the two.  
NOTE: If determining Acid or Base Demand, save sample and proceed as directed on separate instruction.

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## USER BENEFITS

- Slide and Long Viewpath 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, 8.0, 9.0, 10.0, 11.0, 12.0.
- 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**.