

**COLOR COMPARISON TEST****pH**

<b>SLIDE COMPARATORS:</b>	<b>Range*:</b>	<b>Reagent:</b>
9065 Chlorphenol Red	5.2-6.8	R-1003G
9066 Bromthymol Blue	6.0-7.6	R-1003H
9067 Phenol Red	6.8-8.4	R-1003J
9068 Cresol Red	7.2-8.8	R-1003K
9069 Meta Cresol Purple	7.6-9.2	R-1003L
9070 Thymol Blue	8.0-9.6	R-1003M
9071 Phthalein Red	8.6-10.2	R-1003N
9072 Toly Red	10.0-11.6	R-1003O
9074 Parazo Orange	11.0-12.6	R-1003Q
9076 Benzo Red (intervals of 0.4)	4.4-7.6	R-1003S
9077 Thymol Red (intervals of 0.4)	8.0-11.2	R-1003T
9078 Long Range (intervals of 1.0)	3.0-11.0	R-1003U

\*Intervals of 0.2 pH units unless otherwise indicated.

**APPARATUS:**

3 x 3243 Cap, Test Cell (11.5 mL), plastic  
 3 x 4024 Test Cell, Calibrated (11.5 mL), plastic  
 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 9189 Base, Slide Comparator, Enslow (for test cells)

**OR**

3 x 3267 Cap, Test Cell (5 mL), plastic  
 3 x 4025 Test Cell, Calibrated (5 mL), plastic  
 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 9189 Base, Slide Comparator, Enslow (for test cells)

**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**

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.

