

BROMTHYMOL BLUE pH TEST KIT

Range 5.5-8.5

Model 17-F

Cat. No. 1470-06



To ensure accurate results read carefully before proceeding.

The presence of chlorine in the water sample will cause a slight interference in the test results. Up to 10 mg/L of chlorine may be removed using Sodium Thiosulfate Solution, Cat. No. 323-37. This solution is not included in the kit but may be ordered from Hach Company. *See Replacements.* To remove chlorine, add one drop of Sodium Thiosulfate Solution to the water sample before adding the pH indicator.

Sample tubes must be clean and free of contamination. Always rinse well after each use.

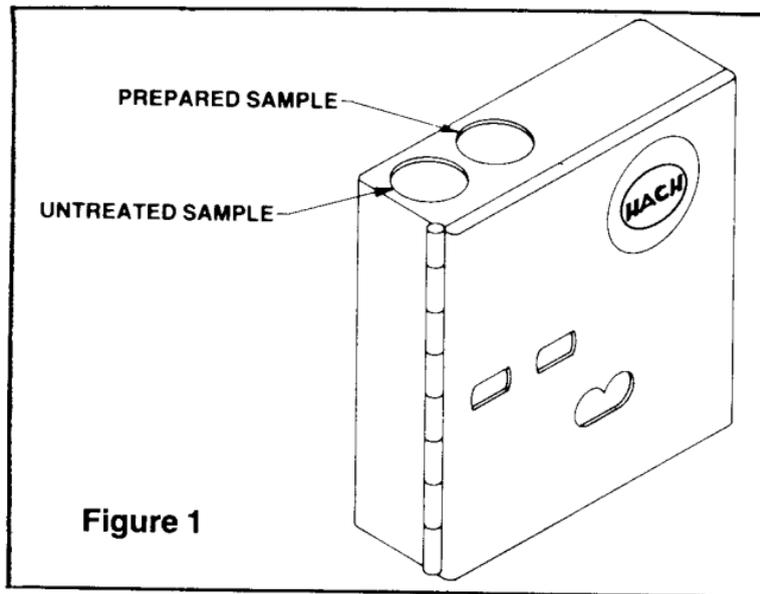
The Bromthymol Blue Indicator Solution has been reformulated to give the most accurate readings in the mid-range of the kit from 6.0 to 8.0 pH units. Readings above or below this range may be better suited for analysis with other test kits using Thymol Blue or 2,4-Dinitrophenol, respectively, as the indicator.

WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.

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TEST INSTRUCTIONS

1. Fill the two glass sample tubes to the 5-mL mark with the water to be tested.
2. Add eight drops of Bromthymol Blue Indicator Solution to one of the tubes. Swirl to mix.
3. Insert the tube of prepared sample into the top right opening of the color comparator (*Prepared Sample Position in Figure 1*).
4. Insert the tube of untreated sample into the top left opening of the color comparator (*Untreated Sample Position in Figure 1*).
5. Hold the comparator up to a light source such as the sky, a window or lamp and view through the openings in front. Rotate the disc to obtain a color match. Read the pH through the scale window.



REPLACEMENTS

Cat. No.	Description	Unit
255-37	Bromthymol Blue Indicator Solution	118 mL (4 oz) MDB*
1411-00	Bromthymol Blue Color Disc, 5.5-8.5 pH	each
1732-00	Color Comparator	each
1926-00	Color Viewing Tube	each
1731-00	Stopper for viewing tube	each
12222-11	Buffer Solution, Phosphate Type, pH 7.0 ± 0.02 at 20°C (not included in kit)	473 mL (pt)
323-37	Sodium Thiosulfate Solution 0.1N (not included in kit)	118 mL (4 oz) MDB*

*marked dropping bottle

It is suggested that reagent accuracy be checked periodically using a reliable standard such as Buffer Solution, Phosphate Type, pH 7.0 ± 0.02 at 20°C, Cat. No. 12222-11. This solution is not included in the kit but may be ordered from Hach Company. See *Replacements*. To check the reagent follow the test instructions for this kit using the standard as the sample to be tested.