

Photometer Method

pH VALUE

TEST FOR pH VALUE OF WATER AND AQUEOUS SOLUTIONS

AUTOMATIC WAVELENGTH SELECTION

4.4 – 9.6

pH value is a parameter frequently determined on water and aqueous solutions. The Palintest pH method provides a simple test for the determination of pH for a variety of applications. The test is available in four narrow ranges covering pH values between 4.4 and 9.6.

Method

Palintest pH methods use standard pH indicators in tablet form. Different indicators are used to cover different ranges. Each tablet contains the precise amount of indicator needed for the test. All Palintest pH tablets contain a dechlorinating agent so that the test can be carried out in water containing chlorine or other disinfectant residuals.

Reagents and Equipment

Palintest pH Indicator Tablets (see table below)
Palintest Automatic Wavelength Selection Photometer
Round Test Tubes, 10 ml glass (PT 595)

pH Range	Phot Number	Indicator Tablet	Code
4.4 – 6.0	110	Bromocresol Green	PM 136*
6.0 – 7.6	111	Bromothymol Blue	PM 138*
6.8 – 8.4	27	Phenol Red	PM 130*
8.0 – 9.6	112	Thymol Blue	PM 139*

Test Procedure

- 1 Select the appropriate indicator tablets for the pH range under test.
- 2 Fill test tube with sample to the 10 ml mark.
- 3 Add one pH indicator tablet, crush and mix to dissolve.
- 4 Select the appropriate Phot number on the Photometer.
- 5 Take Photometer reading in the usual manner (see Photometer instructions).
- 6 If the reading is outside the range of the indicator tablet selected, the test should be repeated using a higher or lower range.

* Tablets are available as 'Starter Packs' coded 'PM'
or 'Replacement Reagent Packs' coded 'AP'.
