

San Gregorio Environmental Resource Center

pH Measurement Instructions

Steps for using the pH Test Kit:

This test can be performed in the field with the sample water that is collected in the sample apparatus.

- 1) Thoroughly rinse the two color viewing tubes with the creek water. **Fill each tube to the 5 ml line** (the bottom of the frosted portion of the tube) with the sample water.
- 2) Place the tubes in the color comparator. The left tube is the “untreated sample” and the right tube is the “prepared sample”.
- 3) Add **6 drops of the Wide Range 4 pH Indicator Solution** to the “prepared sample” (the tube on the right). Insert the stopper and **invert the sample several times** to mix. Allow some time for color development.
- 4) Hold the color comparator up to a light source such as the sky or a clipboard with white paper and view through the two openings in the front. Rotate the color disc to obtain a color match between the “prepared sample” and the “untreated sample”. **Read the pH** from the scale window. Have more than one person read the comparator.
- 5) **Record the result** on the data sheet.
- 6) Pour the solution into the waste water bottle. Rinse the sample tubes with distilled water and discard in the waste water bottle.