



K100-0118 Ultra-Low Total Chlorine Test Strips Instructions for Use

Indications for Use

RPC Ultra-Low Total Chlorine Test Strips are intended to provide a fast, easily discernable, and accurate method for determining very low levels of total chlorine in water.

Test Procedure

- 1) Collect a fresh 100 ml sample of water in a plastic sample cup (such as RPC # K100-1100 Sample Cup):
 - A. Prior to collecting the sample, rinse the clean, dry sample cup with the water to be tested.
 - B. Be sure to collect the sample just prior to performing the test as Chlorine tends to volatilize out of the sample quickly.
- 2) Remove one test strip from its foil package and dip it in the sample for 20 seconds.

Important Note:

The 20 second dip time is for a test sample at approximate room temperature (72-80° F) or warmer (93° F max).

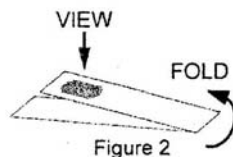
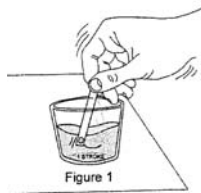
If cold water must be tested, use the following dip times that are closest to your sample temperature:

Water sample at 64° F, dip time = 30 seconds.

Water sample at 52° F, dip time = 45 seconds.

Water sample at 42° F, dip time = 60 seconds.

- A. While dipping the strip, move it back and forth at a constant gentle rate of approximately two, 1-2 inch wide strokes (one forward – one backward) per second (Figure 1).
- 3) Remove the strip and shake once, briskly, to remove excess water.
 - 4) **Wait 20 seconds** for the test strip color to develop. While waiting, fold the white plastic handle of the test strip under the reagent area aperture so that it provides a consistent viewing background (Figure 2).
As an alternative to folding the strip, the reagent pad can be placed directly on the white surface of the color chart when comparing colors.
 - 5) **After the 20 second wait period**, immediately compare the strip color to the K100-0118 color chart to determine the Total Chlorine level in the sample.



Storage and Handling

Store at temperatures between 15°-30°C (59°-86°F). Do not use a test strip after the expiration date. The lot number and expiration date are printed on each foil wrapper. Do not use these strips to determine chlorine potency. Do not touch the indicator pad. Do not allow the test strip to come in contact with liquids or with work surfaces that may be contaminated with potentially interfering substances. Do not leave test strips in areas exposed to chlorine vapors or other oxidizing vapors.

Limitations

Known interferences with this test are oxidizers such as bromine, iodine, and permanganate.

US Patent #6541269

RPC • Tucson, AZ • Minneapolis, MN • USA • (520) 888-5551 • Fax (520) 888-5557

Product Quality at Discount PricingSM

072505F