

Fast • Accurate • Easy To Use
Self-filling Test Ampoules



Overview

Micro Tester Pro kits are designed for users who need to conduct multiple tests. A sample cup is filled and a stand-alone ampoule is placed in the cup tip down, the tip is snapped and sample water automatically fills the ampoule. The test is run manually by observing a color change in the ampoule.

Operation Steps

Step 1: Using the water to be tested, rinse the Sample/Snapping Cup 3 times and then fill with sample water.

Step 2: Snapping



Place the tip of the test ampoule down into one of the holes in the bottom of the filled Sample/Snapping Cup.



Pull back on the top to break the ampoule tip. Keeping the ampoule in the water. The ampoule will automatically fill with the sample water.

Step 3: Gently rock the filled test ampoule back and forth for 30 seconds (longer if the sample is cold water) to mix the test reagent. Allow to stand for 3 minutes.

Step 4: Reading the Test Results Observe the color by viewing the ampoule from the side and compare to the color card.

Dilution Steps

Step 1: Rinse the Sample/Snapping Cup with DI Water.

Step 2: **Select** the Hardness breakpoint you wish the test to detect from the table below **Column I**.

Step 3: **Fill** to the snapping cup to the score line with DI Water.

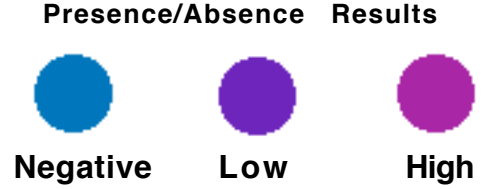
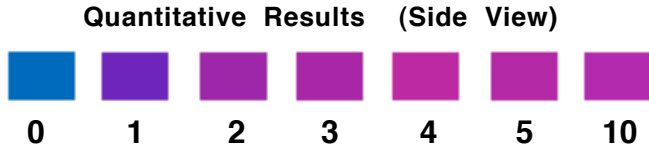
Step 4: Pipette the necessary amount of sample into the cup from **Column II**. Cap the cup and swirl to mix. Remove the cap.

<u>COLUMN I</u>	<u>COLUMN II</u>	<u>COLUMN III</u>
BREAKPOINT DESIRED	AMOUNT OF SAMPLE PIPETTED INTO CUP	MULTIPLY ANSWER BY
0 - 100 ppm	2.0 ml	10
0 - 200 ppm	1.0 ml	20
0 - 400 ppm	0.5 ml	40

Step 5: Follow Steps 2 - 4 Above.

Step 6: Reading the Test Results

Compare the color of the ampoule and multiply the answer from **Column III**.



NOTE:

Hardness is usually measured in ppm or grains per gallon.
It takes 17.1 ppm calcium carbonate to equal 1 grain of hardness.
0-75 ppm (0-4 grains) is considered soft.
75-150ppm (4-9 grains) is moderately hard.
150-300ppm (9-18 grains) is hard.
300ppm and up (18 grains and up) is very hard.

Safety Recommendations

KEEP IT AWAY FROM CHILDREN. IT SHOULD BE USED ONLY BY THOSE WHO HAVE READ AND FULLY UNDERSTAND THESE INSTRUCTIONS. Remember once the ampoule is snapped, it can not be reused. Once snapped, the ampoule tip will separate from the ampoule body, the tip will stay in the snapping cup. Use caution when handling broken glass.

Test Kit Contents: Each test kit comes in a box equipped for 30 stand-alone tests. When the test ampoules have been used, no replacement components are required, just order a new kit. Each kit consists of the following components: self-filling test ampoules with premixed reagent, a sample/snapping cup and a dropper pipette. [Ampoule Shelf Life: 4+ years.](#)