

## Micro Inspector

# Hardness Level

Fast • Accurate • Easy-to-Use  
Self-filling Test Ampoule

## Water Test Kit



### Overview

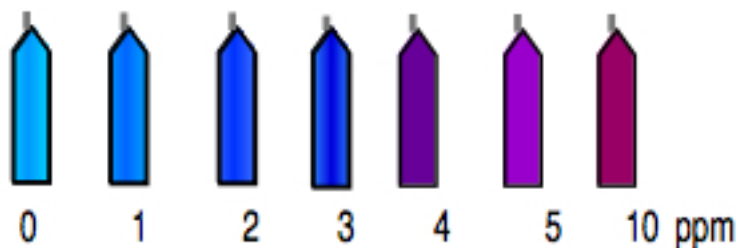
The Micro Inspector is a unique self-contained, single-use test that measures Hardness levels in ppm. The vacuum sealed ampoule contains pre-measured pre-mixed chemical reagents. Ampoule filling is accomplished by simply pushing down and breaking off the ampoule tip in a water sample cup and observing for results.

### Operation Steps

1. Using the water to be tested, fill Sample/Snapping Cup with water.
2. Place the tip of the test ampoule diagonally to the bottom of the Sample/Snapping Cup and push to break the ampoule tip. The test ampoule will automatically fill with water. Be sure not to remove the ampoule until it is full.
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. Read immediately and compare the ampoule color to the color chart below.

### Observe Results

Observe color at bottom of test ampoule and match to this chart.



**Note:** for extended Hardness Level testing, please refer to instructions on reverse side.

**What's in the box:** 1 test ampoule, 1 sample cup, 1 instruction sheet with color chart.

**Part # ST9284MI**

<https://www.simpltek.com/site/products/micro.html> | Phone: (631) 864-0099

# Optional

## Extended Range Testing (by sample dilution)

### Instructions for 0-100ppm range.

Use dropper to add 2 ml liquid to be tested to the snapping cup. Fill the snapping cup to the score level with DI water. Close the cup with the lid and shake to mix. Remove cap. Snap the ampoule as directed. ***Use the 0-10ppm color card, but multiply answer by 10.***

### Instructions for 0-200ppm range.

Use dropper to add 1 ml liquid to be tested to the snapping cup. Fill the snapping cup to the score level with DI water. Close the cup with the lid and shake to mix. Remove cap. Snap the ampoule as directed. ***Use the 0-10ppm color card, but multiply answer by 20.***

### Instructions for the 0-400ppm range.

Use the dropper to add 0.5ml liquid to be tested to the snapping cup. Fill the snapping cup to the score level with DI water. Close the cup with the lid and shake to mix. Remove cap. ***Use the 0-10ppm color card, but multiply answer by 40.***

**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.