

## DROP TEST

### CALCIUM HARDNESS (1 drop = 10 ppm)

**COMPONENTS:**

1 x 5099	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0010-C	Calcium Buffer, 2 oz, DB
1 x R-0011L-A	Calcium Indicator Liquid, .75 oz, DB
1 x R-0012-C	Hardness Reagent, 2 oz, DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE  
800-TEST KIT (800-837-8548).

**PROCEDURE:**

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.  
KEEP REAGENTS AWAY FROM CHILDREN.**

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

**Calcium Hardness Test**

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.\*
2. Add 20 drops R-0010 Calcium Buffer. Swirl to mix.
3. Add 5 drops R-0011L Calcium Indicator Liquid (or 1 level dipper R-0011P Calcium Indicator Powder, not included). Swirl to mix. Sample will turn red if calcium hardness is present.
4. Add R-0012 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue.

5. Multiply drops of R-0012 Hardness Reagent by 10. Record as parts per million (ppm) calcium hardness as calcium carbonate (CaCO<sub>3</sub>).

\*When high calcium is anticipated, this procedure may be used: Use 10 mL sample, 10 drops R-0010, 3 drops R-0011L, and multiply drops in Step 4 by 25.



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