

## DROP TEST HARDNESS (1 drop = 0.5 ppm)

Instr. #5226

### COMPONENTS:

1 x 5226	Instruction
1 x 9198B	Sample Tube, Graduated (25 mL) w/ cap & blue dot, plastic
1 x R-0620B-I	Hardness Indicator Powder, 10 g w/ blue dot
1 x R-0622-C	Trace Hardness Buffer, 2 oz, DB
1 x R-0623-C	Trace 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.

### Hardness Test

1. Rinse and fill 25 mL sample tube (#9198B) to 25 mL mark with water to be tested.
2. Add 5 drops R-0622 Trace Hardness Buffer. Swirl to mix.
3. Add 1 level dipper R-0620B Hardness Indicator Powder. Swirl to mix. Sample will turn red (Fig. 1) if hardness is present—proceed to Step 4. Sample will turn blue (Fig. 2) if no hardness is present.
4. Add R-0623 Trace Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue (Fig. 2).

5. Multiply drops of R-0623 Trace Hardness Reagent by 0.5. Record as parts per million (ppm) hardness as calcium carbonate ( $\text{CaCO}_3$ ).



Fig. 1



Fig. 2



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