DROP TEST
TOTAL HARDNESS (1 drop = 10 ppm)

COMPONENTS:

1 x 5067B	**Instruction**
1 x 9198B	**Sample Tube, Graduated (25 mL) w/ cap & blue dot, plastic**
1 x R-0619B-C	**Hardness Buffer, 2 oz w/ blue cap, DB**
1 x R-0620B-I	**Hardness Indicator Powder, 10 g w/ blue dot**
1 x R-0683-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.

Total 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-0619B Hardness Buffer. Swirl to mix.

3. Add 1 dipper R-0620B Hardness Indicator Powder. Swirl until dissolved. Sample will turn red (Fig. 1) if hardness is present.

4. Add R-0683 Hardness Reagent dropwise, swirling and counting after each drop, until color changes from red to blue (Fig. 2).

5. Multiply drops of R-0683 Hardness Reagent by 10. Record as parts per million (ppm) total hardness as calcium carbonate ($CaCO_3$).

Fig. 1

Fig. 2

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