

DROP TEST

TOTAL ALKALINITY (1 drop = 10 ppm)

COMPONENTS:

1 x 5406	Instruction
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0007-A	Thiosulfate N/10, .75 oz, DB
1 x R-0008-C	Total Alkalinity Indicator, 2 oz, DB
1 x R-0009-C	Sulfuric Acid .12N, 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 Alkalinity Test

1. Rinse and fill 25 mL sample tube (#9198) to 25 mL mark with water to be tested.
2. Add 2 drops R-0007 Thiosulfate N/10. Swirl to mix.
3. Add 5 drops R-0008 Total Alkalinity Indicator. Swirl to mix. Sample will turn green (Fig. 1).
4. Add R-0009 Sulfuric Acid .12N dropwise, swirling and counting after each drop, until color changes from green to red (Fig. 2).

5. Multiply drops of R-0009 Sulfuric Acid .12N by 10. Record as parts per million (ppm) total alkalinity as calcium carbonate (CaCO_3).

NOTE: When high total alkalinity is anticipated, this procedure may be used: Use 10 mL sample, 1 drop R-0007, 3 drops R-0008, and multiply drops in Step 4 by 25.



Fig. 1



Fig. 2



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