

## DROP TEST SODIUM NITRITE (1 drop = 40 ppm)

Instr. #5011

### COMPONENTS:

1 x 5011	Instruction
1 x 9198R	Sample Tube, Graduated (25 mL) w/ cap & red dot, plastic
1 x R-0819-C	Ferrioin Indicator, 2 oz, DB
2 x R-0820-C	CAN Solution, 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.

### Sodium Nitrite Test

1. Rinse and fill 25 mL sample tube (#9198R) to 5 mL mark with cooled (room temperature) water to be tested.
2. Add 4 drops R-0819 Ferrioin Indicator. Swirl to mix. Sample will turn reddish orange (Fig. 1).
3. Add R-0820 CAN Solution dropwise, swirling and counting after each drop, until color changes from reddish orange to blue (Fig. 2).

4. Multiply drops of R-0820 CAN Solution by 40. Record as parts per million (ppm) sodium nitrite ( $\text{NaNO}_2$ ).

NOTE: For results as nitrite ( $\text{NO}_2^-$ ), multiply sodium nitrite ( $\text{NaNO}_2$ ) concentration by 0.67.



Fig. 1



Fig. 2



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