

# DROP TEST

## SODIUM NITRITE (1 drop = 50 ppm)

Instr. #5045

### COMPONENTS:

- 1 x 4026 Dipper Spoon, 2 g, plastic, white
- 1 x 4086 Stirring Rod, 5", plastic
- 1 x 5045 Instruction
- 1 x 9010 Pipet, Calibrated (0.5 & 1.0 mL) w/ red cap, plastic
- 1 x 9198R Sample Tube, Graduated (25 mL) w/ cap & red dot, plastic
- 1 x R-0733-C Permanganate Reagent, 2 oz
- 1 x R-0781-II Acid Sulfate, 50 g

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 pipets, **always** hold pipet in a vertical position.

### Sodium Nitrite Test

1. Rinse and fill 25 mL sample tube (#9198R) to 25 mL mark with water to be tested (Fig. 1).
2. Using dipper spoon (#4026), add 1 dipper R-0781 Acid Sulfate. Stir with rod (#4086) to dissolve.
3. Using 1.0 mL pipet (#9010), add R-0733 Permanganate Reagent dropwise, swirling and counting after each drop, until sample changes from colorless to a faint but permanent pink (Fig. 2), which persists for at least 1 minute.

4. Multiply drops of R-0733 Permanganate Reagent by 50. Record as parts per million (ppm) sodium nitrite.

NOTE: For results as nitrite, multiply sodium nitrite concentration by 0.67.



Fig. 1



Fig. 2



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