

COLOR COMPARISON TEST TOTAL IRON (0-10 ppm)

COMPONENTS:

1 x 3243	Cap, Test Cell (11.5 mL), plastic
1 x 4024	Test Cell, Calibrated (11.5 mL), plastic
1 x 4029	Pipet, Calibrated (0.5 & 1.0 mL), plastic
1 x 4030	Pipet, Calibrated (0.5 & 1.0 mL) w/ cap, plastic
1 x 5125	Instruction
1 x 6002	Brush, Test Cell
1 x 9050	Midget Comparator, Iron (ferric/ferrous/total), Phenanthroline, 0-10 ppm
1 x 9198	Sample Tube, Graduated (25 mL) w/ cap, plastic
1 x R-0673-C	High Iron Reagent #1*, 2 oz
2 x R-0674-C	High Iron Reagent #2, 2 oz

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.

Total Iron Test

1. Rinse and fill 25 mL sample tube (#9198) to 10 mL mark with water to be tested.
2. Using 1.0 mL pipet (#4029), add 0.5 mL R-0673 High Iron Reagent #1. Swirl to mix.

NOTE: If suspended iron is difficult to dissolve: Transfer to small beaker or flask. Heat and boil gently. Remove from heat. Cool to room temperature. Transfer to sample tube. Dilute to 10 mL mark with distilled, deionized, or iron-free water. Proceed to Step 3.

3. Using a separate 1.0 mL pipet (#4030), add R-0674 High Iron Reagent #2 to 14.6 mL mark. Swirl to mix. WAIT 15 MINUTES. Transfer to 11.5 mL test cell (#4024) to 11.5 mL mark.

Instr. #5125

4. Wipe dry and place in comparator WITH FROSTED SIDE FACING OPERATOR.

5. Match color in test cell with a color standard. Record as parts per million (ppm) total iron (Fe).

*WARNING: High Iron Reagent #1 (R-0673) contains 35-45% w/w hydrochloric acid, a corrosive acid.



31 Loveton Circle, Sparks, MD 21152 USA
800-TEST KIT (837-8548) • 410-472-4340

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