

Instructions

Instruction Number: 5143

Component	Description
>	SLIDE COMPARATOR TEST
>	IRON (0-2.0 ppm)

SLIDE:

9106 (0, 0.1, 0.2, 0.3, 0.4, 0.6, 0.8, 1.0, 2.0 ppm)

REAGENTS:

R-0851 Iron Reagent #1*
R-0852 Iron Reagent #2

APPARATUS:

3 x 3243 Caps, Test Cell, 11.5 mL, rectangular, plastic
3 x 4024 Test Cells, Calibrated 11.5 mL, plastic
2 x 4030 Pipets, Calibrated 0.5 & 1.0 mL, plastic w/cap
1 x 5143 Instruction
1 x 6002 Brush, Cell Cleaner
1 x 9189 Base, Enslow (for test cells)

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.

1. Rinse and fill three 11.5 mL test cells (#4024) to 11.5 mL mark with water to be tested.
2. Wipe dry and place in three center slots of comparator base (#9189) WITH FROSTED SIDE FACING OPERATOR.
3. Using a 1.0 mL pipet (#4030), add 0.5 mL R-0851 Iron Reagent #1* to center test cell. Cap and mix. WAIT 5 MINUTES.
4. Using a different 1.0 mL pipet, add 1.0 mL R-0852 Iron Reagent #2. Cap and mix.
5. Wipe dry and place in center slot of comparator base.
6. Place Slide on comparator base. Match color in center test cell with a color standard. The Slide is in proper alignment for a color match when a white line on the Slide is directly above the white line on the comparator base. Record as parts per million (ppm) iron.

NOTE: If sample color matches or is deeper than highest color standard: Dilute sample with distilled, deionized, or iron-free water. Repeat test. For sample diluted with 1 part water, multiply reading by 2; for 2 parts, multiply by 3, etc.

*WARNING: Iron Reagent #1 (R-0851) contains 8.8% hydrochloric acid, a corrosive acid.