

## COLOR COMPARISON TEST

### COPPER (0.2-3.0 ppm) & IRON (0-2.0 ppm)

#### COMPONENTS:

##### Copper

- 1 x 3243 Cap, Test Cell (11.5 mL), plastic
- 1 x 4024 Test Cell, Calibrated (11.5 mL), plastic
- 2 x 4028 Pipet, Calibrated (0.5 mL) w/ cap, plastic
- 1 x 9049 Midget Comparator, Copper, Cuprizone, 0.2-3.0 ppm
- 1 x R-0860-A Copper Reagent #1\*, .75 oz
- 1 x R-0861-A Copper Reagent #2\*\*, .75 oz

##### Iron

- 1 x 3243 Cap, Test Cell (11.5 mL), plastic
- 1 x 4024 Test Cell, Calibrated (11.5 mL), plastic
- 2 x 4028 Pipet, Calibrated (0.5 mL) w/ cap, plastic
- 1 x 9051 Midget Comparator, Iron, Tripyridyl-s-triazine, 0-2.0 ppm
- 1 x R-0851-A Iron Reagent #1\*\*\*, .75 oz
- 2 x R-0852-A Iron Reagent #2, .75 oz

##### Misc.

- 1 x 5120 Instruction
- 1 x 6002 Brush, Test Cell

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.

##### Copper Test

1. Rinse and fill 11.5 mL test cell (#4024) to mark with water to be tested.
2. Using a 0.5 mL pipet (#4028), add 0.5 mL R-0860 Copper Reagent #1. Cap and mix.
3. Using a separate 0.5 mL pipet, add 0.5 mL R-0861 Copper Reagent #2. Cap and mix.

#### Instr. #5120

4. Wipe dry and place in comparator (#9049) WITH FROSTED SIDE FACING OPERATOR. WAIT 5 MINUTES.
5. Match color in test cell with a color standard. Record as parts per million (ppm) copper (Cu).

##### Iron Test

1. Rinse and fill 11.5 mL test cell (#4024) to mark with water to be tested.
2. Using a 0.5 mL pipet (#4028), add 0.5 mL R-0851 Iron Reagent #1. Cap and mix. WAIT 2 MINUTES.
3. Using a separate 0.5 mL pipet, add 1.0 mL (2 x 0.5 mL) R-0852 Iron Reagent #2. Cap and mix.
4. Wipe dry and place in comparator (#9051) WITH FROSTED SIDE FACING OPERATOR.
5. Match color in test cell with a color standard. Record as parts per million (ppm) iron (Fe).

\*WARNING: Copper Reagent #1 (R-0860) contains 0.1-5% w/w ammonium hydroxide, a corrosive alkali.

\*\*WARNING: Copper Reagent #2 (R-0861) contains 40-50% w/w isopropanol, a flammable liquid.

\*\*\*WARNING: Iron Reagent #1 (R-0851) contains 5-10% w/w hydrochloric acid, a corrosive acid.



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