

COMBINATION MIDGET COPPER/IRON TEST

Instr. #5120

COMPONENTS:

Copper

1 x 3243	Cap, Test Cell, 11.5 mL, rectangular, plastic
1 x 4024	Test Cell, Calibrated 11.5 mL, plastic
2 x 4028	Pipets, Calibrated 0.5 mL, plastic w/ cap
1 x 9049	Midget, Copper, 0.2-3.0 ppm
1 x R-0860	Copper Reagent #1*
1 x R-0861	Copper Reagent #2**

Iron

1 x 3243	Cap, Test Cell, 11.5 mL, rectangular, plastic
1 x 4024	Test Cell, Calibrated 11.5 mL, plastic
2 x 4028	Pipets, Calibrated 0.5 mL, plastic w/ cap
1 x 9051	Midget, Iron, 0-2.0 ppm
1 x R-0851	Iron Reagent #1***
2 x R-0852	Iron Reagent #2

Misc.

1 x 5120	Instruction
1 x 6002	Brush, Cell Cleaner

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 (Color Comparison)

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.
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) total copper.

Iron (Color Comparison)

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 (#4028), 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) total iron.

*WARNING: Copper Reagent #1 (R-0860) contains 4.4% ammonium hydroxide, a corrosive alkali.

**WARNING: Copper Reagent #2 (R-0861) contains 44% isopropanol (w/w), a flammable liquid.

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



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