

# 🐭 Iron, 10 mg/L Fe Test Kit

For Test Kit IR-10, 146403

DOC326.98.00050

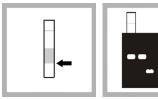
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### **Test preparation**

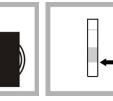
- Assemble the color comparator by placing the color disc on the center pin with the lettering facing out.
- This test kit uses an optical viewing tube insert to decrease the color intensity for measurements more than 7.0 mg/L. Use the optical viewing tube insert for measurements from 7.5 to 10 mg/L. Concentration marks on the color disc are printed in white text on a black background for concentrations from 7.5 to 10 mg/L.
- Rinse the vials, the tubes and the optical viewing tube inserts with the sample water before testing. Rinse with deionized water after testing.
- A small quantity of undissolved powder has no effect on accuracy.
- · Dilute samples with higher concentration than the test range for accurate results. Correct the test results for the dilution ratio.
- Read the mg/L iron at the matching disc segment or as the value halfway between the two segments closest in color. Use daylight illumination to compare the solution color to the comparator.
- When water contains rust or or precipitated iron, shake the sample container before step 1 to get a representative sample.
- If the disc becomes wet, carefully separate the two halves of the plastic case and dry them and the colored plastic insert with a soft cloth. Reassemble when the parts are completely dry.

#### CAUTION: Handle chemical standards and reagents carefully. Review Material Safety Data Sheets before handling chemicals.

#### Iron test procedure



**1.** Fill a tube to the 2. Insert the tube into the left openfirst (5-mL) line with sample. ing of the comparator.



3. Fill another tube 4. Add one to the first (5-mL) FerroVer Iron line with sample. Reagent Powder Pillow to the

second tube. Swirl

An orange color

the sample.

shows if iron is in

to mix.

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more.

5. Wait 3 minutes for the color development. Let samples that

behind the tubes. Turn the color disc from 0 to 7.0 mg/L until the colors in the front windows

match.



in ma/L in the scale

window. If the best

between two color

match occurs

determine the

value halfway

between the two

printed numbers. If the color is too intense to align with the color disc (the concentration is more than 7 mg/L), continue to Step 9.

segments.

9. For

concentrations

put an optical

into each tube.

more than 7 mg/L,

viewing tube insert



Unit

each

each

4/pkg

100/pkg

each

Unit

4/pkg

946 mL

each

500 mL

Item no.

173200

9270000

4660004

92799

2128800

Item no.

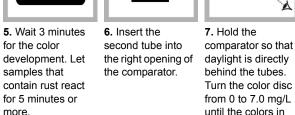
4660014

2088153

69000

27249

10. Do steps 7 and 8 again with the color disc concentration steps from 7.5 to 10 mg/L Fe. If the concentration is above 10 mg/L, dilute the sample.



**Replacement items** 

Color Comparator Box

Color Viewing Tube, plastic

Viewing tube insert, optical

Caps, for plastic viewing tubes 4660004

Color Disc, FerroVer Iron, 0-10 OL (outdoor light)

FerroVer Iron Reagent Powder Pillows for 5-mL samples

Description

**Optional items** 

Detergent, Liquinox

Test tube brush

Deionized Water

Description

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