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Chlorine Testing with Sensafe Reagent Strips

With Hach 850 / 800 series

Chlorine Tests procedure

To Use eXact Strip / DPD-1 / 10 ml

Low Range (LR) Procedure: Free or Total Chlorine (0.02 - 2.00 mg/L)

1. **Select Method:** Turn on the DR/850/800 series and select the appropriate program for LR (Low Range)Chlorine (Free or Total).
2. **Prepare Blank:** Fill a 10 mL sample cell with the water sample.
3. **Zero Instrument:** Place the blank (with cap) into the cell holder and press **ZERO**. The display will show "0.00 mg/L Cl2".
4. **Add Reagent:** Fill a second 10 mL sample cell with the sample and add one DPD Free or Total Chlorine powder pillow.
5. **Mix:** Cap the cell and shake for about 20 seconds to dissolve the reagent. A pink color will develop if chlorine is present.
6. **Reaction Time (Total Chlorine Only):** If testing for total chlorine, wait 3 minutes, but no longer than 6 minutes, before reading.
7. **Read Result:** Clean the prepared cell, insert it into the holder, and press **READ**.

Hach 800 series

+ 10 ml

sample

Exact Strip DPD-1 /10 ml

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To Use eXact Strip / CL (DPD-1) / 5 ml

High Range (HR) Procedure: Free or Total Chlorine (0.1 - 10.0 mg/L)

1. **Select Method:** Turn on the DR/850 /800 series and set the instrument to High Range (HR).
2. **Prepare Blank:** Fill a 1-cm/10-mL sample cell to the **5-mL mark** with the sample.
3. **Zero Instrument:** Insert the blank into the cell holder and press **ZERO**. The display will show "0.0 mg/L".
4. **Add Reagent:** Fill a second 1-cm/10-mL sample cell to the **5-mL mark** with the sample and add the contents of one DPD Free or Total Chlorine Powder Pillow designed for **25-mL samples**.
5. **Mix:** Cap and shake for about 20 seconds to dissolve the reagent.
6. **Reaction Time (Total Chlorine Only):** If testing for total chlorine, wait 3 minutes, but no longer than 6 minutes.
7. **Read Result:** Clean the prepared cell, insert it into the holder, and press **READ**.

Hach 800 series

+ 5 ml

sample

eXact Strip CL (DPD-1) / 5 ml