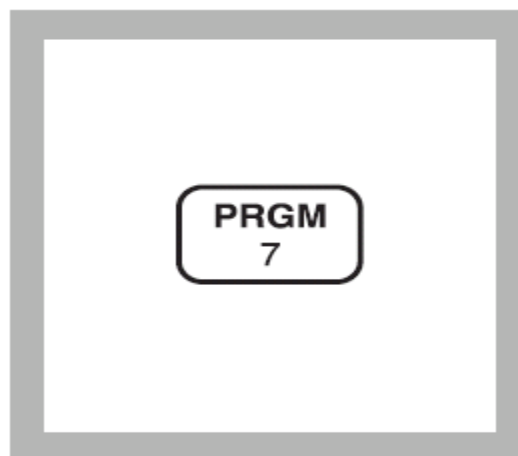




# NICKEL

(0 to 1.000 mg/L) Method 8150  
For water and wastewater  
PAN Method\*



1. Enter the stored program number for nickel (Ni), PAN method.

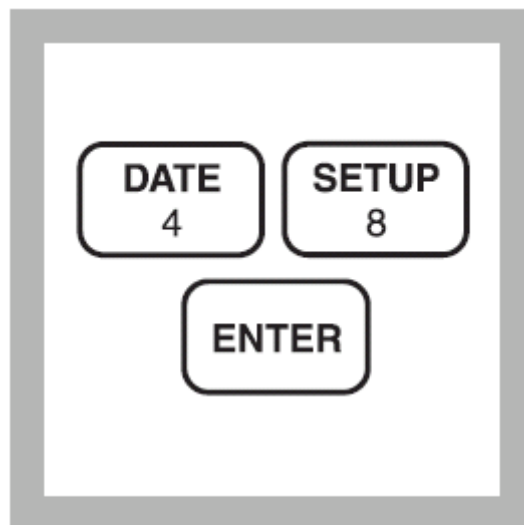
Press: **PRGM**

The display will show:

**PRGM ?**



## NICKEL



**2. Press: 48 ENTER**

The display will show  
**mg/L, Ni** and the  
**ZERO** icon.



## NICKEL



**3.** Fill a sample cell with 25 mL of sample (the prepared sample).

***Note:** If sample is less than 10 °C (50 °F), warm to room temperature before analysis. Adjust the pH of stored samples.*



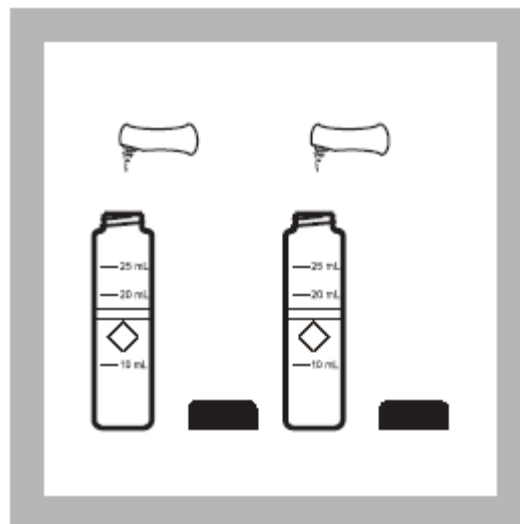
## NICKEL



4. Fill a second sample cell with 25 mL of deionized water (the blank).



## NICKEL

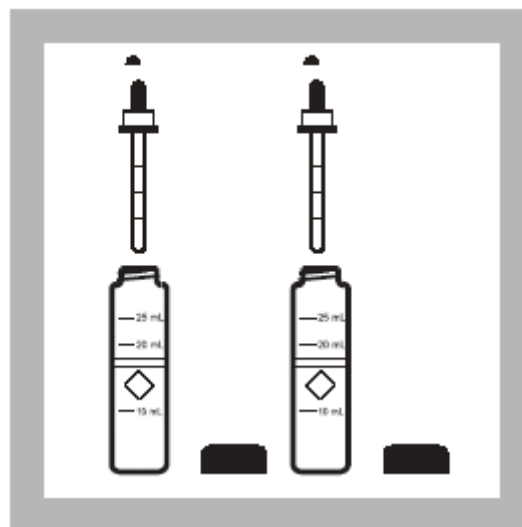


**5.** Add the contents of one Phthalate-Phosphate Reagent Powder Pillow to each cell. Cap. Invert several times to mix.

***Note:** If sample contains iron ( $\text{Fe}^{3+}$ ), all the powder must be dissolved completely before continuing with Step 6.*



## NICKEL

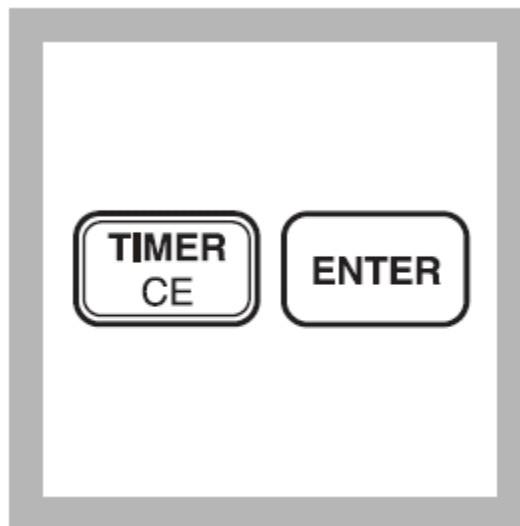


**6.** Add 1.0 mL of 0.3% PAN Indicator Solution to each cell. Cap. Invert several times to mix.

*Note: Use the plastic dropper provided.*



## NICKEL



7. Press:

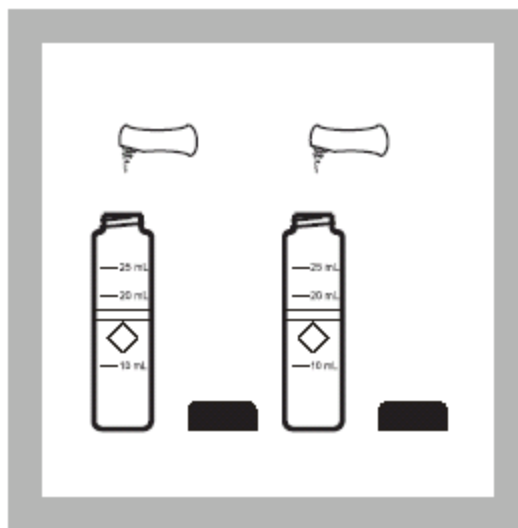
**TIMER ENTER**

A 15-minute reaction period will begin.

***Note:** The sample solution color may vary from yellowish-orange to dark red. The blank should be yellow.*



## NICKEL

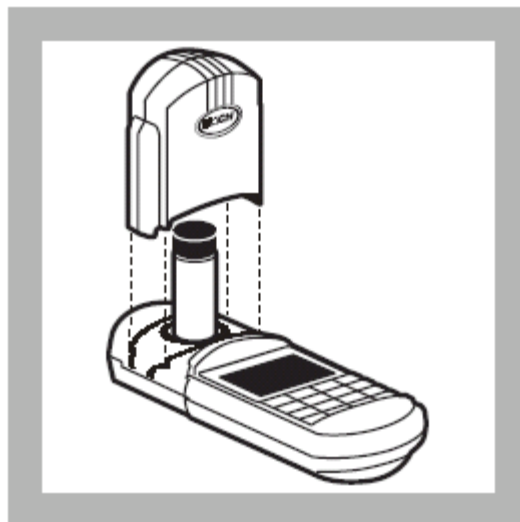


8. After the timer beeps, add the contents of one EDTA Reagent Powder Pillow to each cell. Cap. Invert several times to dissolve the reagent.





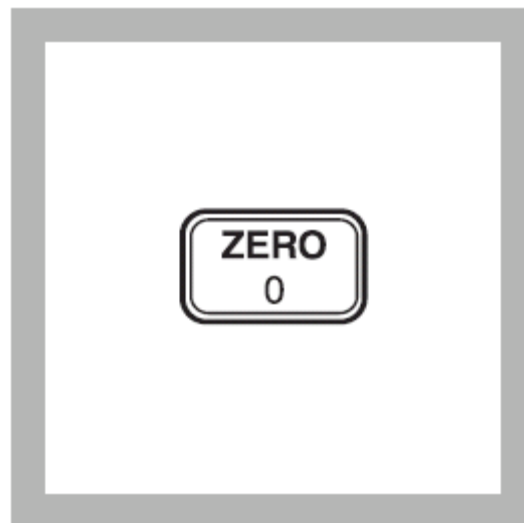
## NICKEL



9. Place the blank into the cell holder. Tightly cover the sample cell with the instrument cap.



## NICKEL



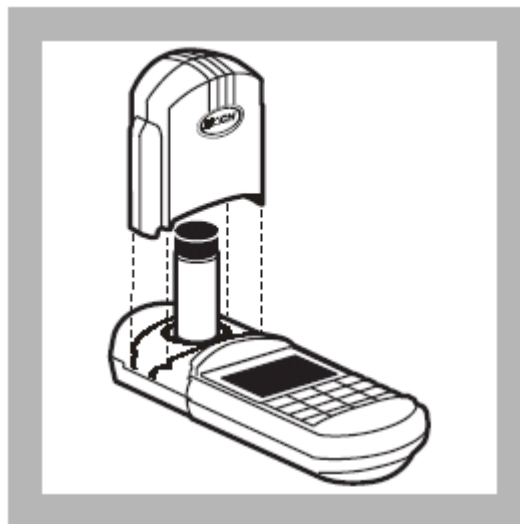
**10. Press: ZERO**

The cursor will move to the right, then the display will show:

**0.000 mg/L Ni**



## NICKEL



**11.**Place the prepared sample into the cell holder. Tightly cover the sample cell with the instrument cap.



## NICKEL



### 12. Press: **READ**

The cursor will move to the right, then the result in mg/L nickel will be displayed.

*Note: Standard Adjust may be performed using a prepared standard (see Standard Adjust in Section 1).*