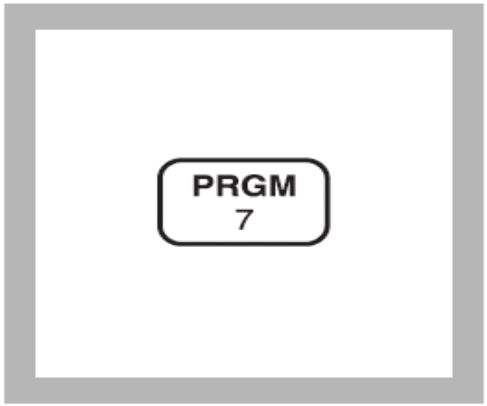
CHROMIUM, HEXAVALENT

(0 to 0.60 mg/L Cr6+) Method 8023
For water and wastewater
1,5-Diphenylcarbohydrazide Method* USEPA accepted for wastewater analyses**



1. Enter the stored program number for hexavalent chromium (Cr^{6+})- powder pillows.

Press: **PRGM**

The display will show:

PRGM ?

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2. Press: **13 ENTER**

The display will show **mg/L, Cr6** and the **ZERO** icon.

Note: *For alternate forms (CrO_4, Cr_2O_7), press the* **CONC** *key.*

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3. Fill a sample cell with 10 mL of sample.

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4. Add the contents of one ChromaVer 3 Reagent Powder Pillow to the cell (the prepared sample). Cap the cell and invert several times to mix.

Note: *A purple color will form if* Cr^{6+} *is present.*

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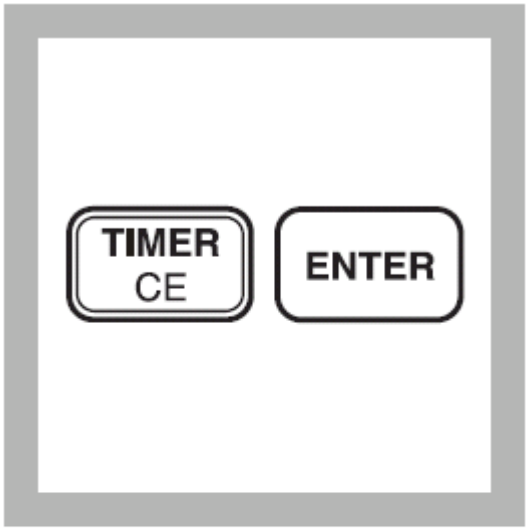

5. Press:

TIMER ENTER

A five-minute reaction period will begin.

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6. Fill another sample cell with 10 mL of sample (the blank).

Note: *For turbid samples, add the contents of one Acid Reagent Powder Pillow. This ensures turbidity dissolved by the acid in the ChromaVer 3 Chromium Reagent is also dissolved in the blank.*

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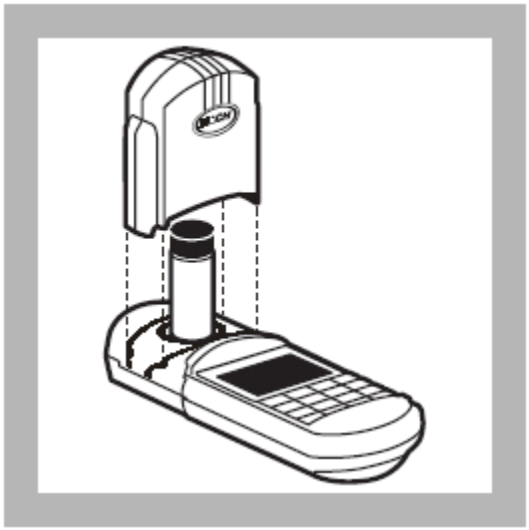

7. When the timer beeps, place the blank into the cell holder. Tightly cover the sample cell with the instrument cap.

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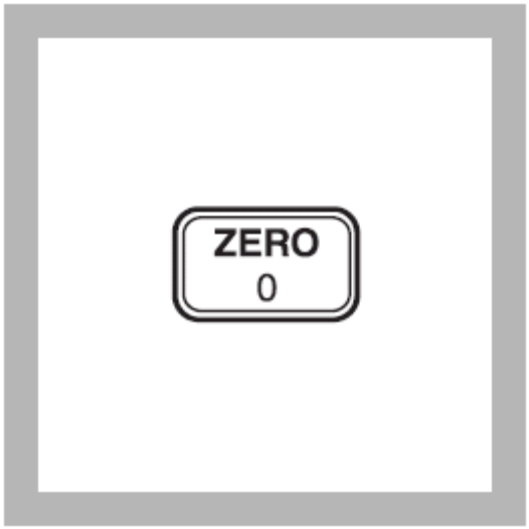

8. Press: **ZERO**

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

0.00 mg/L Cr6

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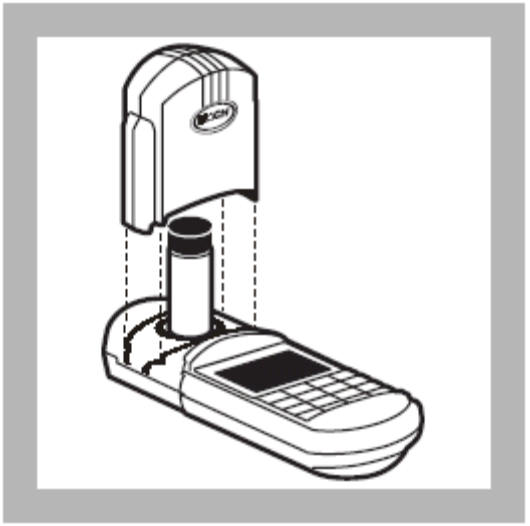

9. Place the prepared sample into the cell holder. Tightly cover the sample cell with the instrument cap.

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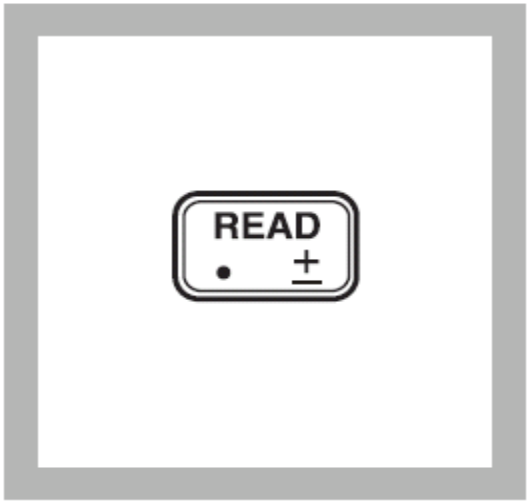

10. Press: **READ**

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

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