

Calibration: Steps 1-3

1. Prepare the Calibration Stand

- Position calibration stand on a level surface and place a calibration tube into each of the 4 holders. Place the recorder on the calibration stand. (Fig. 1)
- Verify pH buffers are at room temperature and have not expired.
- Fill 4 tubes in the calibration stand half-full as follows. (Fig. 2)
 - Tube 1: sterile water
 - Tube 2: pH 1.07 buffer solution
 - Tube 3: sterile water
 - Tube 4: pH 7.01 buffer solution

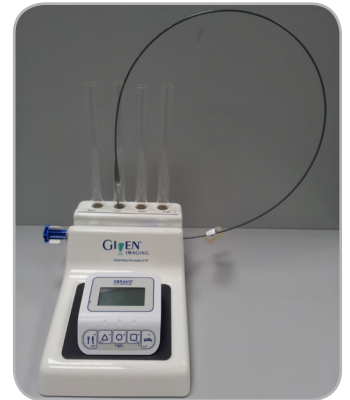


Fig. 1

2. Prepare the Bravo[®] Delivery Device and Capsule

- Verify the capsule is not expired.
- Carefully remove the Bravo pH capsule with delivery device from the packaging.
- Remove the capsule's plastic cover, soaker bulb and magnetic clip. (Fig. 3)
- After opening the capsule package, make sure that the capsule trocar needle has not advanced. (Fig. 4)

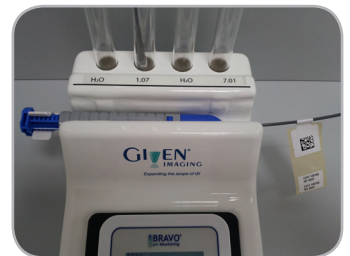


Fig. 2

3. Prepare the Vacuum Pump

- Ensure the vacuum flow knob is turned to maximum. Connect the vacuum hose to the vacuum port on the delivery device handle. (Fig. 5a)
- With your finger covering the suction chamber (Fig. 5b), verify the vacuum gauge reading is **at least 550 mmHg**. Make a note of the gauge reading.
- Remove your finger from the suction chamber. Verify that the vacuum gauge reading **drops by at least 50 mmHg** to 500 mmHg or lower. (Fig. 5c)

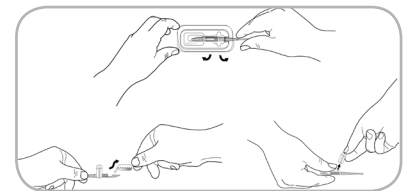


Fig. 3

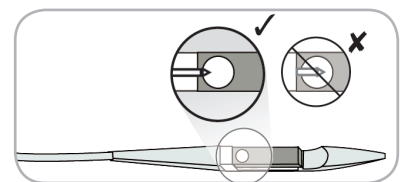


Fig. 4

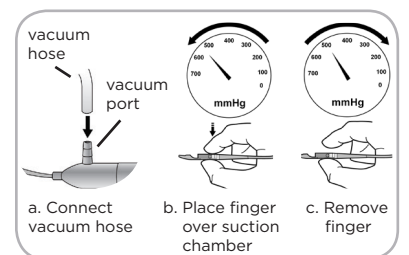


Fig. 5



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Calibration: Step 4

4. Calibrate the Bravo pH Capsule

- Place the delivery device handle into the calibration stand and select **Calibration** from the recorder's menu. (Fig. 2)
- Carefully place the capsule into the pH 7.01 buffer solution calibration tube as indicated on the recorder screen. Make sure that the capsule is completely covered with the buffer solution. Gently agitate the capsule to remove any air bubbles.
- On the recorder, press **Start**. The recorder starts searching for the capsule's signal. The capsule ID number on the recorder's screen must match the number on the delivery device before continuing. This message appears: **Waiting for pH capsule**.
- When the recorder identifies the capsule, this message appears: **Does this pH capsule ID number match the delivery device number?** If the ID matches, press **Yes**. If not, press **No** and the search begins again. If the recorder still does not recognize the capsule or displays an error message, repeat the procedure. If the problem persists after three attempts, refer to the product user manual.
- After pressing **Yes**, this message appears: **Initiating 10 minute pre-soaking**. When the pre-soak period ends (or is cancelled by pressing **Skip**), this message appears: **pH 7.01 calibrating**. At the end of this calibration period, the recorder beeps and this message appears: **Rinse the pH capsule in sterile water and press Next**.
- Rinse the capsule in sterile water. Press **Next**. This message appears: **Place capsule in pH 1.07 and press Start to calibrate**.
- Place the capsule in the pH 1.07 solution and press **Start**. At the end of this calibration period, the recorder beeps and this message appears: **pH capsule ID ##### calibrated**.
- Press **OK**. The calibration data is saved and the recorder's main menu appears.
- Proceed to perform a Bravo pH study.

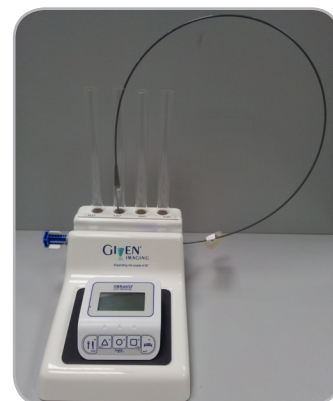


Fig. 1

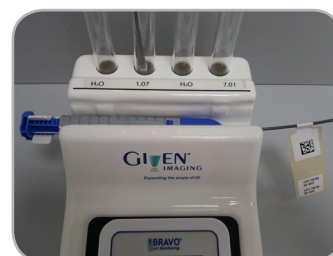


Fig. 2



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