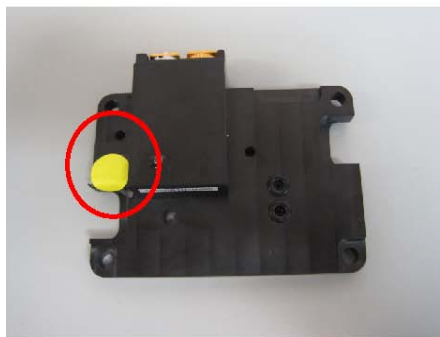


## Electrode Block and Sensor Installation/Storage Instructions

**Caution:** Always keep the internal channel of the Electrode Block filled with solution, do not leave it dry. Deionized water is most suitable for short-term storage (up to 4 weeks). For longer storage, use 3M NaCl solution.

1. Unpack the Electrode Block. You should have one Electrode Block, three spare O-rings and 4 thumbscrews.
2. Peel off the tape that seals the end of the internal channel. Make sure the 3 O-rings are placed properly in the cavities and that they aren't stuck to the tape.



3. Peel off the tape that seals the other end of the internal channel on the other side of the Electrode Block.



4. Flush the internal channel of the Electrode Block with 100-200mL of DI water with the syringe affixed with the larger tip as shown below. If the block was filled with NaCl, leave some water in the channels, re-tape up the ports and **leave to soak for 24 hours**. This helps dissolve any additional salt crystals that may be left behind. After soaking, flush the internal channel with another 100-200mL of DI water. It is **extremely** important that the electrode block is thoroughly cleared of all NaCl so as to prevent salt crystals from clogging the internal fluidics, causing electrical interference and to avoid introducing chloride to the system. If the block was stored filled with DI water, a simple flush is all that is required.



5. Open the PeCOD lid, install the electrode block and secure with the thumbscrews supplied. Check again that the o-rings are in place.
6. Open the sensor package, remove all parafilm and place on top of the electrode block.

**STORAGE REQUIREMENTS**

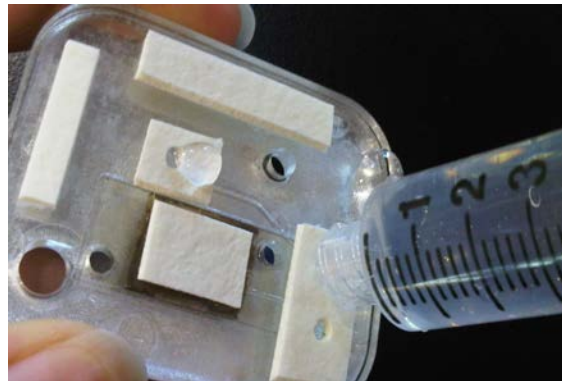
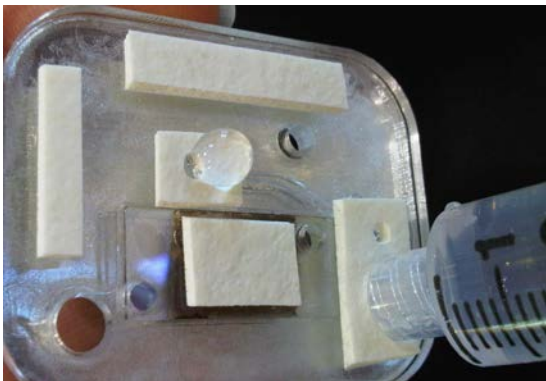
To store the system after daily use, you should always ensure that the system is thoroughly rinsed with deionized water to flush out any excess sample (prime port A a few times) so that the internal channels of the electrode block remain in a wet condition.

**SHORT TERM STORAGE (i.e. up to 5 days)**

- Prime port A several times with DI Water.
- Run blank solution as a sample to ensure the sensor is completely flushed. Do not worry if an error message is displayed. The sensor and electrode block can be left in the unit.

**LONG TERM SENSOR STORAGE (i.e. greater than 5 days)**

- After priming both ports several times with DI water, remove the sensor from the PeCOD. Using a syringe with no tip attached, flush each port with approximately 10mL of DI water, as shown below. The solution should flow out of the hole on the left.
- Fill the syringe with air, and gently push through each port to clear the sensor of any liquid.
- Place the sensor face down (i.e. blue side down) on a bench for 2-3 hours to allow it to dry out. Once dry, it can be left in this manner or placed back in the package and stored protected from light.



**LONG TERM ELECTRODE BLOCK STORAGE (i.e. greater than 3-4 weeks)**

- After priming both ports several times with DI water, the electrode block should be removed and stored outside of the PeCOD® Analyzer. First flush the internal channels of the electrode block with 20-30mL of DI water as in step 4 above.
- Push through approx. 10mL of 3M NaCl solution, leaving the channels filled.
- Seal the 2 ends of the channel with tape, ensuring a tight seal to prevent crystallization.

**SHIPPING REQUIREMENTS**

Should the PeCOD ever need to be shipped somewhere (e.g. sending in for service), all solution should be drained from the system, and the sensor and electrode block removed and stored following the long term sensor and electrode block storage requirements described above. \*Note: if the electrode block will be used within 3-4 weeks, fill the internal chamber with DI water rather than NaCl to reduce the time required to prepare the block before use.