I. Cleaning your Instrument

General External Cleaning Recommendations

1. For meters in use, use a damp cloth to wipe the exterior of the instrument daily with a mild soap solution or the bleach solution described in the "Disinfecting Recommendations" section if disinfection is required. **Do not submerge meter.**
2. Clean the sample collection cup and sample tube after use with soapy water. Rinse thoroughly with dialysis quality water and dry with a soft cloth.

CAUTION: *DO NOT* submerge! *DO NOT* put under running water or allow liquid to enter the meter case. *DO NOT* use abrasive materials or harsh chemicals as they may damage the case and/or syringe and void the warranty.

Rinsing Recommendations

It is recommended that treated water (RO, DI, or Distilled water) be the only choice for rinsing meters.

Disinfecting Recommendations - Measurement Module and Syringe

If disinfection of the meter is required (other than those meters in storage), we recommend that you follow these steps daily before the first use of the meter:

1. Draw 1% bleach solution (one-part bleach to ninety-nine parts dialysis quality water) mixed fresh daily, into the meter to the 10 mL line. Seal the Measurement Module with an Air-Tight Luer Cap.
2. Let the solution sit in the meter for approximately ten minutes. After the dwell time expel the bleach solution.
3. Rinse thoroughly by rapidly flushing at least three times with dialysis quality water.
4. Verify the values of the meter at 7.0 pH and 14.0 conductivity. Verify other values if you are measuring extended ranges.

CAUTION: Diluted bleach solution must not remain in the meter for longer than 10 minutes. Dwell times longer than 10 minutes will cause premature deterioration of the Measurement Module. Thoroughly rinse with treated water to remove any residual bleach before taking readings. *NEVER* use bleach solution for overnight storage.

NOTE: If the meter is to be stored for long periods (days to months), it is not necessary to disinfect the meter daily.

Cleaning and Storage Recommendations

Measurement Module Cleaning Recommendations

Mesa Laboratories NEO-CARE Cell Cleaning Solution is ideal for the pHoenix XL Meter. To clean meters which are being used, follow these easy steps:

1. Rinse Flush the meter with three rapid 3 to 5 mL flushes of NEO-CARE Cell Cleaning Solution.
2. Draw NEO-CARE into the meter to the 10 mL line. Seal the Measurement Module with an Air-Tight Luer Cap.
3. Let the NEO-CARE sit in the meter for approximately 10 minutes. After the dwell time expel the NEO-CARE.
4. Rinse thoroughly by rapidly flushing several times with dialysis quality water.

NOTE: The regular use of NEO-CARE will minimize hard deposits and bacterial film from forming on the flow cell sensors. *Deposits on the flow cell sensors may cause inaccurate readings and will lead to premature failure of the flow cell components.*

CAUTION: Cleaning the meter after verifying calibration may result in improper readings. It is recommended that after cleaning, the user verify calibration prior to subsequent use.

Storage Recommendations

Mesa Laboratories NEO-CARE Cell Cleaning Solution is ideal for the pHoenix XL Meter. For storing meters overnight or long-term, follow these steps:

1. Flush the meter with three rapid 3 to 5 mL flushes of NEO-CARE Cell Cleaning Solution.
2. Disconnect the meter from the solution. Purge remaining fluid by rapidly pumping the syringe several times into a waste receptacle.
3. Seal the Measurement Module with an Air-tight Luer Cap.
4. The Measurement Module is to be damp only during storage, never full of fluid. **Always** seal the Measurement Module to prevent residual NEO-CARE in the cell and syringe from drying out.
5. The Measurement Module can be stored in this condition up to six months at room temperature or two months at extreme temperatures.

Please follow Mesa's storage recommendations when shipping unit back to Mesa for repair or service.