

Spotchem EL Quick Reference Guide

Testing Procedure

Measurement:



Figure 1.1

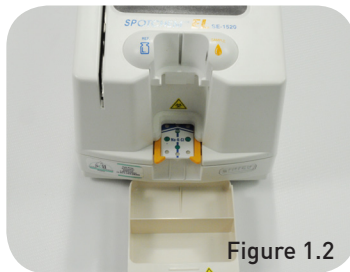


Figure 1.2

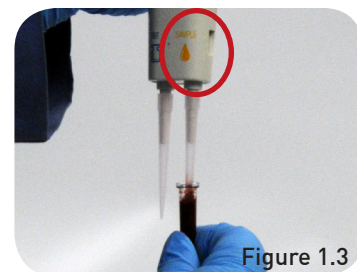


Figure 1.3

1. Set the E-Plate waste tray in place. **[Figure 1.1]**
2. Press the [1] key on the Main Menu to initiate a measurement.
3. Press the [1] key for ID
⇒ enter the test number (if desired) otherwise press [ENTER].
4. ID option will appear – enter patient number or name, press [ENTER].
5. Press the [2] key then press the [-/.] key to scroll through the sample types [Whole B.], [B. Serum], [B. Plasma], press [ENTER] to select.
6. Set the E-Plate on the table **[Figure 1.2]**. "Apply sample" should appear on the display with the selected sample type.
7. Draw up the reference solution and sample using the twin pipette. **[Figure 1.3]**
8. Correctly insert the twin pipette into position on the center of the pipetting part of the E-Plate. **[Figure 1.4]**
9. Press the reference solution button and the sample button simultaneously to dispense both solution at the same time keep pressing both buttons while pulling the pipette out. **[Figure 1.5]**
10. The unit will start the measurement once the twin pipette is removed.

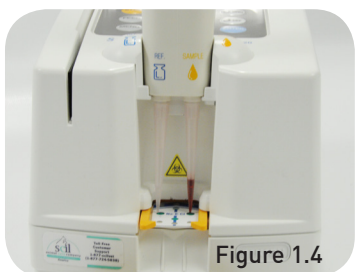


Figure 1.4



Figure 1.5

Card Calibration Procedure

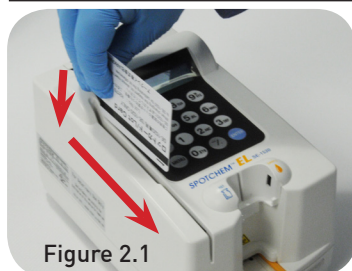


Figure 2.1



Figure 2.2



Figure 2.3

1. From the Main Menu, press the [3] key to Calibrate the Calibration Menu is displayed.
2. Press the [1] key for Card calibration.
3. The instrument will prompt to insert a card. Insert card with stripe into the reader and swipe the card towards the front of the unit. **[Figure 2.1 - Figure 2.3]**
4. The instrument will then prompt to swipe the same stripe again. Insert the card and swipe the card towards the front of the unit. The test name and lot number will quickly be displayed.
5. Calibration is successful! Press the [STOP] key twice to return to the Main Menu.

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Pipetting of Reference Solution and Sample:

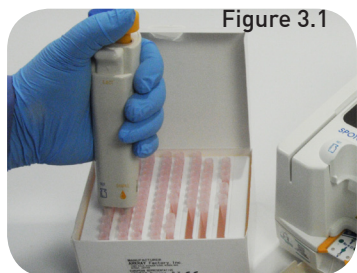


Figure 3.1



Figure 3.2

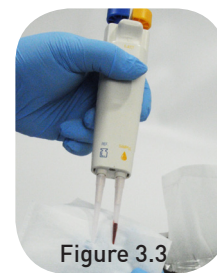


Figure 3.3

1. Attach new tips to the twin pipette. **[Figure 3.1]**
2. Draw up the reference solution into the reference solution pipette. The indicator will be marked above the pipette tips. **[Figure 3.2]**
3. Draw up the sample into the sample pipette. **[Figure 1.3]**
4. The indicator will be marked above the pipette tips.
5. Wipe the pipetting tip. Wipe out excessive reference solution or sample adhered to the pipetting tip with tissue paper (Kimwipes). **[Figure 3.3]**
6. Verify that the level of the reference solution and the sample is approximately the same.

Maintenance

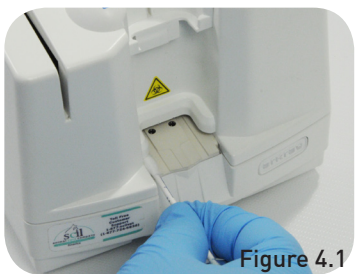


Figure 4.1

Daily:

1. Clean the E-Plate Waste Tray with water and soap.
*Do NOT use isopropyl alcohol.
2. Clean the Plate Transfer area. **[Figure 4.1]**

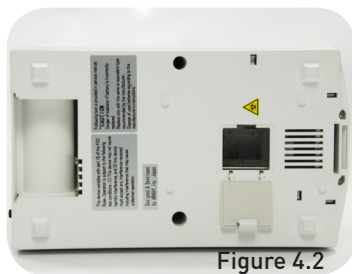


Figure 4.2

Monthly:

1. Run the "Check" Plate test.
 - a. Press the [2] key for Submenu
 - b. Press the [3] key for Check Meas.
 - c. Insert the "red" Check Plate
 - d. Press [START] if the "Check" test come out "Good" return to the Main Menu-the test is complete. If the results come out with any "Error", proceed to step 2.
2. Press the [1. Probe] key when "Please turn off" is displayed, turn off the power of the analyzer.
3. Place the analyzer on the side and open the bottom maintenance cover. **[Figure 4.2]**
4. Clean the probe pins with distilled water using cotton swabs allow 30 minutes for the probe pins to dry then restart the analyzer and rerun the "Check" Plate test. **[see figure 4.3]**



Figure 4.3

Important Prevention Tips



Figure 5.1

1. Do not store the twin pipette in the pipette insertion position of the instrument **[Figure 5.1]**
2. Always use new pipette tips with the twin pipette (reused tips will cause W10, W25, etc.)
*Not using pipette tips will cause cross contamination and affect the results
3. Reference solution button and sample button should not be disengaged during dispensing sequence until the twin pipette is fully out of the pipette insertion position **[Figure 1.5]**

Troubleshooting

Please refer to the manual for Error and Trouble messages.