

## Reference Material

### Operator Manual



Electrolyte Analyzer

Na<sup>+</sup> / K<sup>+</sup> / Cl<sup>-</sup> / Ca<sup>2+</sup> / Li<sup>+</sup>



**DIAMOND**  
Smart Lab Solutions

[www.manual.carelyteplus.com](http://www.manual.carelyteplus.com)

Setting Up, Installation, Preparation  
Calibrating, Components  
Language Selection, Shutdown

### Service Manual



Electrolyte Analyzer

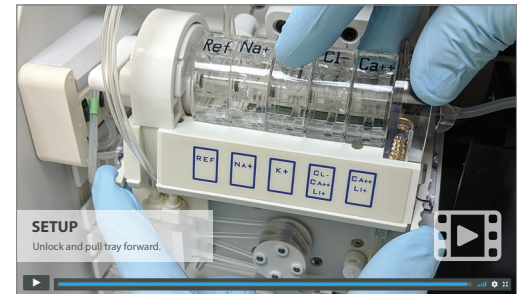
Na<sup>+</sup> / K<sup>+</sup> / Cl<sup>-</sup> / Ca<sup>2+</sup> / Li<sup>+</sup>



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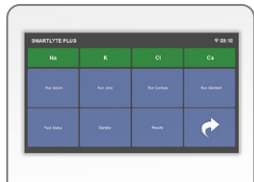
Maintenance & Troubleshooting  
Mechanical Assemblies, Adjustments  
Software Operation



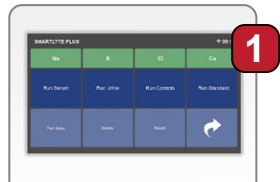
[www.video.carelyteplus.com](http://www.video.carelyteplus.com)

Online Training, Maintenance & Troubleshooting  
Setup and Quick Reference Videos

## Measurement



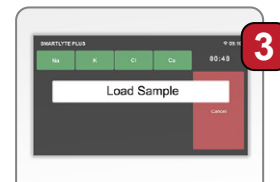
ENSURE INSTRUMENT IS CALIBRATED



PRESS SAMPLE TYPE



OPEN SAMPLE DOOR



WAIT FOR PROMPT "LOAD SAMPLE"



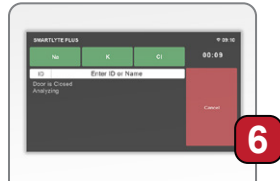
Always wear gloves when handling blood or parts potentially contaminated with blood.



LOAD SAMPLE FROM TUBE/SYRINGE/CUP



WIPE PROBE CLOSE SAMPLE DOOR



ENTER PATIENT ID (OPTIONAL)



RESULTS DISPLAYED & PRINTED



Keep the main door closed during measurement.

## Maintenance

<i>Daily</i>	<ul style="list-style-type: none"> <li>Perform cleaning cycle at end of the day</li> <li>Perform conditioning cycle at end of the day</li> <li>Check printer paper supply</li> </ul>
<i>Weekly</i>	<ul style="list-style-type: none"> <li>Clean sample probe and fill port</li> <li>Clean exterior analyzer surfaces</li> </ul>
<i>Monthly</i>	<ul style="list-style-type: none"> <li>Clean the reference electrode housing (see chapter 5 of Operator Manual)</li> </ul>
<i>Semi-annually</i>	<ul style="list-style-type: none"> <li>Replace peristaltic pump tubing</li> </ul>
<i>Annually</i>	<ul style="list-style-type: none"> <li>Replace main tubing harness</li> </ul>

## Troubleshooting

<ul style="list-style-type: none"> <li>Open front cover and check if all electrodes and the right side sample sensor have O-rings.</li> <li>Make sure maintenance has been performed in accordance with the maintenance schedule.</li> <li>Check the FLUID PACK level by going to menu [PACK STATUS]</li> <li>Check for clots and crystals that may be forming in the tubing or in the measuring chamber.</li> <li>Pull pump windings from pump roller and check for kinked tubing and tears in the tubing.</li> <li>Start a calibration pressing [CALIBRATION]</li> </ul>
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