

Reference Material

Operator Manual



SmartLyte^{Plus}
Electrolyte Analyzer
Na⁺ / K⁺ / Cl⁻ / Ca⁺⁺ / LI⁺



DIAMOND
Smart Lab Solutions

www.manual.smartlyteplus.com
Setup, Installation, Preparation,
Calibration, Components,
Language Selection, Shutdown

Service Manual

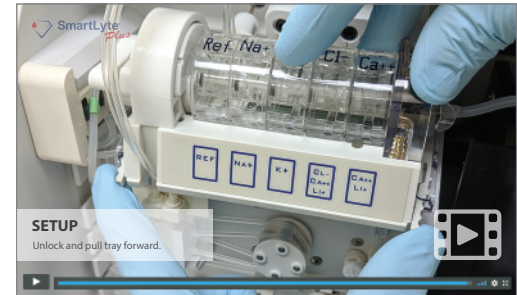


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www.manual.smartlyteplus.com
Maintenance & Troubleshooting,
Mechanical Assemblies, Adjustments,
Software Operation



www.video.smartlyteplus.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"



LOAD SAMPLE FROM TUBE/SYRINGE/CUP



WIPE PROBE CLOSE SAMPLE DOOR



ENTER PATIENT ID (OPTIONAL)



RESULTS DISPLAYED & PRINTED



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



Keep the main door closed during measurement.

Maintenance

<i>Daily</i>	<ul style="list-style-type: none"> Perform cleaning cycle at end of the day Perform conditioning cycle at end of the day Check printer paper supply
<i>Weekly</i>	<ul style="list-style-type: none"> Clean sample probe and fill port Clean exterior analyzer surfaces
<i>Monthly</i>	<ul style="list-style-type: none"> Clean the reference electrode housing (see Ch. 5 of Op. Man.)
<i>Semi-annually</i>	<ul style="list-style-type: none"> Replace peristaltic pump tubing
<i>Annually</i>	<ul style="list-style-type: none"> Replace main tubing harness, fill port assembly, sample probe & sample sensor Quad-ring

Troubleshooting

- Open front cover and check if all electrodes and the right side sample sensor have O-rings
- Make sure maintenance has been performed in accordance with the maintenance schedule
- Check the FLUID PACK level by going to menu [PACK STATUS]
- Check for clots and crystals that may be forming in the tubing or in the measuring chamber
- Pull pump windings from pump roller and check for kinked tubing and tears in the tubing
- Start a calibration pressing [CALIBRATION]