



Installation Qualification

Company (Name & Add.): Lab X..... Customer (Name & Add): Hi-Tech Laboratory & ECG
Dev. Adrium, Padinjattil. h...... K.S.E.A. Shopping Complex. Near. Union Bank
Kannayapuram Medical college. P.O. TVM Kulathupalam. P.O. Kumbily - 685509
 Contact Person : Rahul Raveendran..... Contact Person: Mrs. Shini S. Periyas
 Telephone no. : 9400060915..... Telephone no.: 9947120758.....

Name of instrument: Electrolyte Analyser (In n o Ly t e): K⁺ Na⁺ Cl⁻ Ca⁺ LI/PH (Select)
 Serial no. : 1350719172037..... Installation Date: 10/10/2017.....

Initial check

Parts missing? (check against packing list)	Part number	Part description
<input type="checkbox"/> Yes (please specify parts)
<input checked="" type="checkbox"/> No

Installation (Perform the following steps)

- Check Power Supply 230 V (± 10 V)
- Check Earth 2.....V (<5.0 V) & connect grounding cable from back side if required
- Room Temperature 22.....°C (15° C to 30° C)
- Install Instrument on Flat surface, Reagent Pack (DS-I/DS-II) inside the Instrument
- Fill Electrodes with electrode filling Liquid (min 2/3 fill volume)
- Install Electrodes in instrument in sequence K⁺, Na⁺, Ca⁺, pH, Cl⁻, Ref (as per model)
- Connect Reagent Pack tube with Electrodes assembly
- Connect waste Tube in instrument with Electrode assembly
- Install waste Container & Barcode Reader to RS232 2 port (optional)
- Install Power Supply.
- Install Printer paper roll
- Start up the Analyser. Self test will happen. System will prompt for Calibration.
- Select No to Calibration option of Yes/ No immediately (before 8 Secs)
- Activate the additional Electrode if any from settings/service menu->Set test-> Click Cl⁻

Technical Acceptance:

Date (dd-mm-yyyy): 10/10/2017.....

Service Engineer Name: Rahul Raveendran..... Customer Name: Hi Tech Laboratory & ECG.....

Signature & Stamp:

Signature & Stamp:



Operational Qualification

Set the System Parameters. & Calibration

- Go to settings & click units -> Select unit type (mmol/L or mg/dl)
- From settings click Printer -> Select type (Auto/Manual)
- From settings click 'REF STD' -> Select sample type -> Select the item to be modified and directly click & modify the figure
- From settings click 'Set Time' -> Set Date & Time -> Click save
- From settings click 'Data Style' -> Set Date Style -> Click Enter to confirm
- Activate the Electrodes
- Go to maintenance menu -> Cleaning -> Select Activate
- Aspirate 1 mL Electrode activation solution from aspiration probe by clicking 'Activate' key. Instrument automatically aspirates the solution.
- System will activate electrodes automatically in approx 30 mins. Exit afterwards.
- Go to main menu -> Select Calibration -> Select Ion/Yes
- System will calibrate Electrodes automatically & give Calibration Pass message to every electrode if successfully calibrated
- Calibration details are printed on thermal printer as shown in fig below.

Cal Result					
	A	B	SLOPE		
K	100.11	100.11	55	Pass	
Na	100.11	100.11	55	Pass	
Cl	100.11	100.11	55	Pass	
Ca	100.11	100.11	55	Error	
PH	100.11	100.11	55	Drift	
Calibrate Again					

- If Calibration Fails, Run Calibration Again.
- Remarks: *Calibration completed successfully*

Technical acceptance :

Date (dd-mm-yyyy):

Service Engineer Name: *Rahul Ravendra* Customer Name: *Hi-Tech Laboratory & ECG*

Signature & Stamp : *Rahul*

Signature & Stamp : *[Signature]*

