

InnoLyte
Electrolyte Analyser



Calibration Certificate

Hospital Name	: HI-TECH Laboratory And ECG - Kumily
Address	: Kumily, Idukki
Instrument Name	: InnoLyte
Serial No.	: 1350719172037
Department	: Laboratory
Calibration Date	: 05-01-2022
Next Calibration Due	: 05-01-2023
Appearance	: Clean


Calibration Status:

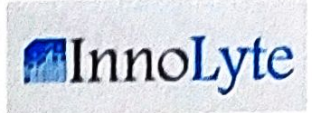
Item	Reagent	Value (mV)	Range	Remarks
Empty Tube ADC	Air	323	0-500	OK
Calibration A ADC	STD A	1235	>800	OK
Valve to Sensor Steps	STD A	1286	<2000	OK
Sodium	STD A	77.21	Stable	Ok
Sodium	STD B	71.45	Stable	Ok
Potassium	STD A	70.43	Stable	Ok
Potassium	STD B	85.6	Stable	Ok

Item	Concentration		
	Sodium	Potassium	Remarks
STD A	140	4	OK
STD B	110	8	OK

This is to certify that above instrument is calibrated and validated as per specification by the manufacturer and instrument is ready to report the samples of the patients with daily quality controls validation.

Performed by,


Rahul Raveendran
Service Engineer



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
Kannurapuram Medical college. P.O. T.V.M 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 Raveendra* Customer Name : *Hi-Tech Laboratories & ECG*

Signature & Stamp : *Rahul*

Signature & Stamp : *[Signature]*

