



### CALIBRATION CERTIFICATE

*This is to certify that the following equipment was routinely serviced and calibrated with standard calibration solution ISE SNAP PACK. The quality control values of all the parameters were found within the required range of the material tested.*

**Roche Electrolyte Analyzer**

**Date: 17.01.2019**

<b>CUSTOMER</b>	<b>Fostr Healthcare</b>
	Bangalore.
<b>EQUIPMENT MODEL/ SERIAL NO</b>	9180 / 27113
<b>CALIBRATION STATUS</b>	OK
<b>CALIBRATION DATE</b>	17.01.2019
<b>CALIBRATION VALID THROUGH</b>	16.01.2020
<b>Calibration Next Due</b>	17.01.2020

#### Expected Millivolt Values

Electrode	Standard-A milli volts	Standard B milli volts	Standard C milli volts	Difference A-B milli volts	Difference A-C milli volts
Na	-600 to 2400	-1600 to 2000	-600 to 2400	250 to 680	-50 to 50
K	-700 to 1000	-2500 to 500	-700 to 1000	470 to 1200	-40 to 40
Cl-	-3100 to -100	-1000 to 3000	-3100 to -100	-370 to -860	N/A
Ca+	-3100 to 1000	-2300 to 2300	-3100 to 1000	-350 to -650	-550 to 150
Li+	-3100 to 1900	-3600 to 1400	-2600 to 3400	1 to 760	-1730 to -285

#### Measured Calibration Millivolt Values

Electrode	Electrode Serial Numbers	Standard A Solution mv	Difference A-B mv	Difference A-C mv
Na	350961 73447	722	554	N/A
K	429785 73447	-251	1060	N/A
Cl	219484 73747	-179	-677	N/A

Quality Control :Material- Biorad Lot Number:26441 Level-1

Exp: 30.11.2020

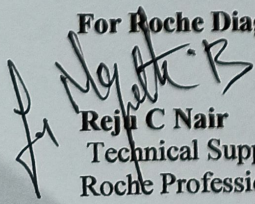
Parameter	Expected Values mmol	Measured Values mmol
Na	139-152	146
K	3.61-4.09	3.89
Cl	95.2-113	98.5

Quality Control :Material- Biorad Lot Number:26442 Level-2

Exp: 30.11.2020

Parameter	Expected Values mmol	Measured Values mmol
Na	120-131	125
K	5.81-6.50	6.10
Cl	83.0-96.8	85.4

For Roche Diagnostic India Pvt. Ltd

  
Reji C Nair

Technical Support Manager- South  
Roche Professional Services