

Patient Name	: Ms. HAREEM AKHTAR	Sample UID No.	: 4111611
Age / Gender	: 24 Y / Female	Sample Collected On	: 23-08-2025 11:44
Patient ID	: QLD111062	Registered On	: 23-08-2025 11:45
Referred By	: DR KEERTHANA	Reported on	: 23-08-2025 16:36
Referral Client	: CITICARE MEDICAL CENTER	External Patient ID	: 47689
Emirates ID / Passport No	:	Print Version	: V.1

Department of BIOCHEMISTRY

ELECTROLYTE PANEL

<u>Investigation</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>Biological Reference Interval</u>	<u>Method</u>
SODIUM (NA)	146	H	mmol/L	136-145	ISE (Indirect)
POTASSIUM (K)	5.3	H	mmol/L	3.5-5.1	ISE (Indirect)
CHLORIDE (CL)	111	H	mmol/L	98-107	ISE (Indirect)

Interpretation Notes :

Clinical Implication:

- 1.Sodium levels detect changes in water balance rather than sodium balance and sodium levels are used to determine electrolytes, acid base balance, water balance, water intoxication, and dehydration.
- 2.Potassium,electrolytes of intracellular fluid is important to diagnose acid-base and water imbalance and the value varies with circulatory volume.
- 3.Chloride,blood electrolytes is helpful in diagnosing disorders of acid base, water balance and has reciprocal rise (or) fall in response to concentration of other anions.

Interfering factors:

- 1.Drugs like steroids, calcium, fluoride, iron can cause increase in sodium level. Drugs like heparin, laxative, sulphate, diuretics cause decrease in sodium level. High Triglycerides or low protein falsely decrease in sodium level.
2. Blood drawing procedure affect the values of potassium. Drugs like diuretics and NSAID increase values and excess intake of licorice decrease potassium level.
- 3.Plasma chloride concentration in infants is higher than in children and adults. Drugs may alter chloride levels. Increased values is associated with IV Saline infusion.

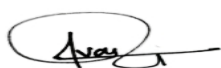
Reference -

Manual of Laboratory and Diagnostics -Frances Fischbach Marshall B. Dunning III [9th Edition]

Sample: Serum

- END OF REPORT -

"QLabs compliance with ISO 15189:2022 standards"



Vaishnav Jayamohan
Lab Technologist

DHA No. 87250933-002





Dr. Vidhya Mohan
Specialist Clinical Pathologist
Clinical Pathologist
DHA No. 23553203-004



Dr. Dheepa Manoharan
Medical Director
Specialist Microbiologist
DHA No. 00231751-004