



## Yash M. Patel

Age : 21 Years

Sex : Male

PID : 555



## Sample Collected At:

125, Shivam Bungalow, S G Road,  
Mumbai

Ref. By: Dr. Hiren Shah



Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

## ELECTROLYTES

Investigation	Result	Reference Value	Unit
Primary Sample Type :	Serum		
Test method :	Indirect ISE		
<b>ELECTROLYTES</b>			
Sodium	110.00	Low 136.00 - 145.00	mEq/L
Potassium	8.00	High 3.50 - 5.10	mEq/L
Chloride	99.00	98.00 - 107.00	mEq/L
Bicarbonate	25.00	22.00 - 28.00	mEq/L
Calcium	18.00	High 8.6 - 10.2	mg/dL
Magnesium	1.9	1.8 - 2.3	mg/dL

### Interpretation :

The serum electrolytes test measures the levels of electrolytes in the blood, providing valuable information about hydration status, kidney function, and electrolyte imbalances.

### Electrolytes High Levels cause:

- Sodium - Overhydration, kidney disease, Addison's disease.
- Potassium - Kidney disease, Addison's disease, excessive intake of potassium-rich foods.
- Chloride - Overhydration, kidney disease.
- Bicarbonate - Kidney disease, respiratory alkalosis.
- Calcium - Hyperparathyroidism, kidney disease, vitamin D toxicity.
- Magnesium - Kidney disease, excessive intake of magnesium-rich foods.

### Electrolytes Low Levels cause:

- Sodium - Dehydration, kidney disease, Addison's disease.
- Potassium - Diarrhea, vomiting, kidney disease, excessive use of diuretics.
- Chloride - Dehydration, kidney disease.
- Bicarbonate - Diarrhea, vomiting, respiratory acidosis.
- Calcium - Hypoparathyroidism, kidney disease, vitamin D deficiency.
- Magnesium - Diarrhea, vomiting, kidney disease, excessive use of laxatives.

Thanks for Reference

\*\*\*\*End of Report\*\*\*\*

Medical Lab Technician

(DMLT, BMLT)

Dr. Payal Shah

(MD, Pathologist)

Dr. Vimal Shah

(MD, Pathologist)

