



Labsmart Software

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<https://www.yourlabname.in/>**Mr. Saubhik Bhaumik**

Age / Sex : 27 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1051



1051

Registered on : 11/11/2024 01:14 PM
Collected on : 11/11/2024
Received on : 11/11/2024
Reported on : 11/11/2024 01:14 PM

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**BIOCHEMISTRY**

TEST	VALUE	UNIT	REFERENCE
SERUM CHLORIDE	101	mmol/l	98 - 107

Physiological Basis

Chloride, the principal inorganic anion of extracellular fluid, is important in maintaining proper body water distribution, osmotic pressure, and normal acid-base balance. If chloride is lost (as HCl or NH₄Cl), alkalosis ensues; if chloride is ingested or retained, acidosis ensues.

Interpretation

Increased in: Renal failure, nephrotic syndrome, renal tubular acidosis, dehydration, overtreatment with saline, hyperparathyroidism, diabetes insipidus, metabolic acidosis from diarrhea (loss of HCO₃⁻), respiratory alkalosis, hyperadrenocorticism.
Drugs: acetazolamide (hyperchloremic acidosis), androgens, hydrochlorothiazide, salicylates (intoxication).

Decreased in: Vomiting, diarrhea, gastrointestinal suction, renal failure combined with salt deprivation, over-treatment with diuretics, chronic respiratory acidosis, diabetic ketoacidosis, excessive sweating, SIADH, salt-losing nephropathy, acute intermittent porphyria, water intoxication, expansion of extracellular fluid volume, adrenal insufficiency, hyperaldosteronism, metabolic alkalosis.
Drugs: chronic laxative or bicarbonate ingestion, corticosteroids, diuretics.

Comments

Test is helpful in assessing normal and increased anion gap metabolic acidosis. It is somewhat helpful in distinguishing hypercalcemia due to primary hyperparathyroidism (high serum chloride) from that due to malignancy (normal serum chloride).

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

NOT VALID FOR MEDICO LEGAL PURPOSE

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.