
Lab Dept: Chemistry

Test Name: CHLORIDE

General Information

Lab Order Codes: CL

Synonyms: Chloride, blood; Cl

CPT Codes: 82435 – Chloride, blood

Test Includes: Chloride concentration measured in mEq/L. Chloride is also included in the following panels: [Electrolyte Panel](#), [Basic Metabolic Panel](#), [Comprehensive Metabolic Panel](#), [Renal Panel](#)

Logistics

Test Indications: Evaluation of electrolyte balance, acid base balance, ketosis and hydration. Chloride usually fluctuates directly with sodium concentrations. Predominantly an extracellular anion, chloride, along with sodium, is responsible for maintaining plasma osmotic homeostasis.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 30 minutes

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: **Preferred:** Green top (Li Heparin) tube
Alternate: Red, marble or gold top tube or Green (NaHep) tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL plasma/serum

Collection: Routine collection

Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot and transfer into plastic sample cup. Analyze sample immediately or store at refrigerated temperatures for up to 1 week.

Patient Preparation: None

Sample Rejection: Unlabeled or mislabeled specimen

Interpretive

Reference Range:	Reference ranges by Method:		(Units mEq/L = mmol/L)
	Method Abbott	Premature newborns, first 48 hours of life	95 – 110 mEq/L
Method Abbott	0 – 30 days	98 – 113 mEq/L	
Method Abbott	>30 days	98 – 107 mEq/L	

Critical Values: N/A

Limitations: N/A

Methodology: ABBOTT: Ion Selective electrode – Integrated Chip Technology

References: Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Architect ICT Sample Diluent (ICTD5) Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, May 2016

Alinity ICT Sample Diluent (ICTD5) Pkg Insert, Abbott Laboratories Diagnostic Division, Abbott Park, IL 60064, January 2018

Tietz Textbook of Clinical Chemistry (1999) 3rd Edition, W.B. Saunders Company

Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714

Updates: 8/19/2009: Turnaround time previously listed as 2 hours.
7/21/2015: Vista update
2/8/2016: Update alt tube types
10/18/2019: New backup instrumentation and related reference ranges
11/9/2020: Retired method VISTA, updated for Alinity, update containers