
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

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL plasma/serum

Collection: Routine collection

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|-----------------------------|--|
| 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: 98 – 106 mEq/L (or mmol/L)

Critical Values: N/A

Limitations: N/A

Methodology: Integrated Multisensor Technology

References:

V-LYTE® Integrated Multisensor, PN 797800.002 Rev D, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, USA, 2013-08-30

QuikLYTE® Integrated Multisensor insert sheet, PN 717500.003 Rev L, Siemens Healthcare Diagnostics Inc, Newark, DE 19714, USA, 2011-08-25

Dimension RxL MAX Operator's Guide (05/2003)

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

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

Updates:

8/19/2009: Turnaround time previously listed as 2 hours.
7/21/15: Vista update.
2/8/16: Update alt tube types